

University of Washington
2011-2013 Capital Budget Request
and
2011-2021 Capital Plan
September 2010

**2011-2013 Capital Budget Request and
2011-2021 Capital Plan
September 2010**

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TAB A

Strategic Framework

Summary Information

University of Washington Strategic Framework

The Role and Mission of the University of Washington

Founded November 4, 1861, the University of Washington is one of the oldest state-supported institutions of higher education on the Pacific coast. The University is comprised of three campuses: the Seattle campus is made up of sixteen schools and colleges whose faculty offer educational opportunities to students ranging from first-year undergraduates through doctoral-level candidates; the Bothell and Tacoma campuses, each developing a distinctive identity and undergoing rapid growth, offer diverse programs to both undergraduates and graduate students.

The primary mission of the University of Washington is the preservation, advancement, and dissemination of knowledge. The University preserves knowledge through its libraries and collections, its courses, and the scholarship of its faculty. It advances new knowledge through many forms of research, inquiry, and discussion, and disseminates it through the classroom and the laboratory, scholarly exchanges, creative practice, international education, and public service. As one of the nation's outstanding teaching and research institutions, the University is committed to maintaining an environment for objectivity and imaginative inquiry and for the original scholarship and research that ensure the production of new knowledge in the free exchange of diverse facts, theories, and ideas.

To promote students' capacity to make humane and informed decisions, the University fosters an environment in which its students can develop mature and independent judgment and an appreciation of the range and diversity of human achievement. The University cultivates in its students both critical thinking and the effective articulation of that thinking.

As an integral part of a large and diverse community, the University seeks broad representation of, and encourages sustained participation in that community by, its students, its faculty, and its staff. It serves both non-traditional and traditional students. Through its three-campus system and through educational outreach, evening degree and distance learning programs, the University extends educational opportunities to many who would not otherwise have access to them.

The academic core of the University of Washington is its College of Arts & Sciences. The teaching and research of the University's many professional schools provide essential complements to the College of Arts & Sciences programs in the arts, humanities, social sciences, and natural and mathematical sciences. Programs in law, medicine, forest resources, oceanography and fisheries, library science, and aeronautics are offered exclusively (in accord with state law) by the University of Washington. In addition, the University of Washington has assumed primary responsibility for the health science fields of dentistry and public health, and offers education and training in medicine for a multi-state region of the Pacific Northwest and Alaska. The schools and colleges of architecture/built environments and urban planning, business administration, education, engineering, nursing, pharmacy, public affairs, and social work have a long tradition of educating students for service to the region and the nation. These schools and colleges make indispensable contributions to the state and, with the rest of the university, share a long tradition of educating undergraduate and graduate students towards achieving an excellence that well serves the state, the region and the nation.

University of Washington Strategic Framework

UW Vision Statement

The University of Washington educates a diverse student body to become responsible global citizens and future leaders through a challenging learning environment informed by cutting-edge scholarship. Discovery is at the heart of our university. We discover timely solutions to the world's most complex problems and enrich people's lives throughout our community, the state of Washington, the nation, and the world.

University of Washington Key Strategies to Meet the Great Challenges of our Future

- A: Attract a diverse and excellent student body and provide a rich learning experience
- B: Attract and retain an outstanding and diverse faculty and staff to enhance educational quality, research strength, and prominent leadership
- C: Strengthen interdisciplinary research and scholarship to tackle "grand challenge" problems that will benefit society and stimulate economic development
- D: Expand the reach of the UW from our community and region across the world to enhance global competitiveness of our students and the region
- E: Maintain and build infrastructure and facilities to insure the highest level of integrity, compliance and stewardship

2011 -2013 Biennial Capital Budget Request

The University of Washington's 10-Year Capital Plan represents the University's responsible stewardship of our existing facilities and space resources in concert with those new investments required to maintain our stature as one of the great public resources serving the citizens of the State of Washington.

The UW's Capital Budget Request is the result of multiple physical planning efforts integrated carefully with UW's key strategies to meet the great challenges of the future. The process has been mission-driven, has required an objective search for actual needs that support the key strategies, is rigorously focused on efficient utilization of existing space resources, and proposes accelerated care for the facilities and infrastructure in the worse condition.

The University of Washington's requested capital projects will provide strong and broad employment opportunities within the Puget Sound region concurrent with preservation and enhancement of the public's past investment in capital assets. The projects identified below, in UW priority order, are necessary to sustain our instructional mission on the UW Seattle campus, and expand the same mission on the UW Bothell and UW Tacoma campuses:

Minor Capital Repair – Infrastructure, Health, and Safety: \$83.32M

The University of Washington requests \$61.15 million of state funding and requests that \$22.17 million from the UW Building Account be appropriated for minor capital preservation projects. Projects in this category are estimated to cost between \$25,000 and \$2 million and are

University of Washington Strategic Framework

prioritized as the most urgent of the University's minor capital preservation needs. Sub-projects are defined within each of the following broad categories: Building Repair and Renewal, Mechanical and Electrical Systems, Fire and Life Safety Improvements, Data and Communications Infrastructure, Utilities and Site Work, Roads and Pathways, and Contingency Projects for Emergency Repairs.

Minor Capital Repair – Program Renewal: \$25.63M

The University of Washington requests \$25,630,000 from the UW Building Account to fund minor capital repair program projects. These projects are expected to cost between \$25,000 and \$2 million, and have been organized into the following categories: teaching laboratory modernization, classroom modernization, efficiency reconfigurations, innovative program development renovations, accessibility improvements, and access control improvements.

UW High Voltage Infrastructure Improvement Project: \$4.85M

The University of Washington requests \$4.85 million for Design and Construction funding for significant improvements and upgrades to the high voltage electrical utility distribution system with 200+ transfer switches, over 22 miles of high and medium voltage cable within 7 miles of utility tunnel system, and over 100 sectionalizing switchgear stations on the UW Seattle campus.

Denny Hall Renovation: \$54.615M

The University of Washington requests \$54.615 million for Construction Phase funding which will include completion of the project construction documents, thereby completing the Design Phase. State funding was provided in the 2007-09 biennium for the Pre Design and Design Phases.

House of Knowledge: \$2.7M

The University of Washington requests \$2,700,000 for the Design Phase (\$1,300,000) and a portion of the Construction Phase (\$1,400,000) for the House of Knowledge (Intellectual House), a Coast Salish longhouse-style new building project on the University of Washington Seattle campus. This project is a collaborative effort founded on a strong partnership among Native American tribes, the State of Washington and the University of Washington. The total project cost is \$10.645M. \$300,000 was appropriated for the Pre Design Phase by the State Legislature in the 2009-11 biennium. The Pre Design Phase Study was submitted to the Office of Financial Management on July 1, 2010 as a requirement for this UW Capital Budget request. The remaining \$7.645M required to complete the project is to be funded by local funds including donor funding.

University of Washington Strategic Framework

Odegaard Undergraduate Learning Center – Phase I: \$19.5M

The University of Washington requests \$19.5 million for the Design and Construction Phases of the Odegaard Undergraduate Learning Center – Phase I. The Center incorporates learning, teaching and discovery into one place. Phase I is anticipated to include improvements to existing building mechanical, electrical, and structural systems to extend the useful life of the building and increase its energy efficiency. Academic program changes are anticipated to include new and enhanced learning spaces which will provide improved utilization of existing space to meet undergraduate teaching requirements without the construction of a new building. Phase I, approximately 73,880 gross square feet, includes the renovation of the ground and first floor.

UW Bothell Phase 3: \$62.85M

The University of Washington requests \$62.85 million for completion of design and construction of UW Bothell Phase 3. A total of \$5.15 million was previously appropriated for the Pre Design and Design Phases, and approximately \$1 million is requested as a re-appropriation for the Design Phase. Phase 3 includes new facilities to support expanded and new degree programs and will accommodate a minimum capacity increase of 600 FTE students. The increased capacity of the Phase 3 academic building will facilitate development of programs specifically targeted toward career paths needed to support the regional workforce including science, technology, engineering, math and health. The project will include instructional laboratories necessary to support science and technology programs, a 200 seat lecture hall, and classrooms that are sized and configured to meet the needs of the lower division curriculum that was initiated in 2006. Infrastructure and site improvements related to the building project are also key components of the project.

UW Tacoma Land Acquisition/Remediation: \$5M

The University of Washington, in response to legislative mandate to transition the UW Tacoma campus to a 4-year curriculum, requests \$5 million for strategic land acquisition and to conduct activities associated with testing, monitoring and surveying land that requires soil-based remediation. The acquisition of additional parcels within the approved UW Tacoma 46-acre footprint will provide the critical land capacity for UW Tacoma to meet the building needs identified in the UW Tacoma Master Plan. To date, the University has acquired approximately 60% of the land within its designated-campus footprint.

The Department of Ecology has indicated that the campus (located in an area which previously served as an industrial site within the City of Tacoma) has additional sites of soil contamination within its designated-campus footprint. In partnership with the Department of Ecology, the University of Washington also requests utilizing a portion of the current \$5 million request to assist funding those activities required to identify, survey, analyze, and conduct other activities to determine the appropriate location and levels of potential remediation.

University of Washington Strategic Framework

Anderson Hall Renovation: \$2.5M

The University of Washington requests \$2.5 million for the Design Phase of the comprehensive renovation of Anderson Hall. Anderson Hall, 35,180 gross square feet, was constructed in 1925 and provides instructional space and space for key academic centers within the UW College of the Environment including the Center for Trade in International Forest Products, the Center for Qualitative Science, and the National Ecological Observatory Network. Anderson Hall is one of fifteen buildings identified in the “Restore the Core” program of major building renovations described in the June 2004 UW Building Restoration and Renewal Prioritization Study.

Lewis Hall Renovation: \$23.1M

The University of Washington requests \$23.1 million for the Construction Phase to renovate the existing 23,220 gross square foot building and build a 9,250 gross square foot addition to Lewis Hall. Lewis Hall was constructed in 1896 and is listed in the Washington State Heritage Register. This 114 year-old building has never undergone a major renovation. The building systems in Lewis Hall are past their useful life and require comprehensive replacement with code-compliant structural (seismic strengthening) mechanical, electrical, plumbing, and fire and life safety systems.

Miller Hall Renovation: \$4M

The University of Washington requests \$4 million for the Pre Design and Design Phases of the renovation of Miller Hall. The proposed project will renovate and renew the 72,655 gross square foot facility for the University of Washington College of Education. There are four classrooms and a 150 seat auditorium in Miller Hall which serve the entire student body, and these will be modernized. As with other projects in the successful “Restore the Core” program, it is anticipated that a combined programming (Pre Design Phase) and Design Phase can be efficiently and effectively developed in one biennium.

University of Washington
2011-13 State Capital Budget Request
(\$ in 1,000s)

Priority	Requested Projects			2011-13	
	Name	Type	Stage	State Funds	UW Building Account
1	Minor Capital Repair - Infrastructure, Health, Safety	Repair	D/C	61,150	22,170
2	Minor Capital Repair - Program Renewal	Repair	D/C	-	25,630
3	UW High Voltage Infrastructure Improvement Project	Infrastructure	D/C	4,850	-
4	Denny Hall Renovation	Teaching	C	54,615	-
5	House of Knowledge	Teaching	D/C	2,700	-
6	Odegaard Undergraduate Learning Center - Phase I	Teaching	D/C	19,500	-
7	UW Bothell Phase 3 (New Academic Building)	Teaching	C	62,850	-
8	UW Tacoma Land Acquisition/Remediation	Land Acquisition	Acq	5,000	-
9	Anderson Hall Renovation	Teaching	D	2,500	-
10	Lewis Hall Renovation	Teaching	C	23,130	-
11	Miller Hall Renovation	Teaching	PD/D	4,000	-
99	Burke Museum			-	-
Biennial TOTAL:				240,295	47,800

University of Washington
2011-13 State Capital Budget Request
and 10 Year Capital Plan
(\$ in 1,000s)

Priority	Proposed State Funded Projects		2011-13		2013-15		2015-17		2017-19		2019-21		2011-21	
			State Funds	UW Building Account	State Funds	UW Building Account	State Funds	UW Building Account	State Funds	UW Building Account	State Funds	UW Building Account	TOTAL State Funds	
1	Minor Capital Repair - Infrastructure, Health, Safety	Repair	D/C	61,150	22,170	58,600	23,070	57,800	23,570	52,500	23,870	51,500	24,870	399,100
2	Minor Capital Repair - Program Renewal	Repair	D/C	-	25,630	-	25,630	-	25,630	-	25,630	-	25,630	128,150
3	UW High Voltage Infrastructure Improvement Project	Infrastructure	D/C	4,850	-	-	-	-	-	-	-	-	-	4,850
4	Denny Hall Renovation	Teaching	C	54,615	-	-	-	-	-	-	-	-	-	54,615
5	House of Knowledge	Teaching	D/C	2,700	-	-	-	-	-	-	-	-	-	2,700
6	Odegaard Undergraduate Learning Center - Phase I	Teaching	D/C	19,500	-	-	-	-	-	-	-	-	-	19,500
7	UW Bothell Phase 3 (New Academic Building)	Teaching	C	62,850	-	-	-	-	-	-	-	-	-	62,850
8	UW Tacoma Land Acquisition/Remediation	Land Acquisition	Acq	5,000	-	5,000	-	5,000	-	5,000	-	5,000	-	25,000
9	Anderson Hall Renovation	Teaching	D	2,500	-	19,050	-	-	-	-	-	-	-	21,550
10	Lewis Hall Renovation	Teaching	C	23,130	-	-	-	-	-	-	-	-	-	23,130
11	Miller Hall Renovation	Teaching	PD/D	4,000	-	40,000	-	-	-	-	-	-	-	44,000
12	UW Seattle Major Infrastructure Projects - Multiple	Infrastructure	D/C	-	-	8,500	-	18,000	-	12,000	-	8,000	-	46,500
13	Odegaard Undergraduate Learning Center - Phase II	Teaching	D/C	-	-	19,500	-	-	-	-	-	-	-	19,500
14	UW Tacoma Major Infrastructure Projects - Multiple	Infrastructure	PD/D/C	-	-	250	-	2,250	-	10,000	-	3,000	-	15,500
15	UW Bothell Major Infrastructure Projects - Multiple	Infrastructure	PD/D/C	-	-	250	-	5,000	-	250	-	5,000	-	10,500
16	Hutchinson Hall Renovation	Teaching	D/C	-	-	3,000	-	27,000	-	-	-	-	-	30,000
17	College of Engineering Academic Building - Renovation	Teaching	D/C	-	-	2,250	-	22,750	-	-	-	-	-	25,000
18	Health Sciences Teaching Building	Teaching	PD/D/C	-	-	500	-	9,000	-	125,500	-	-	-	135,000
19	UW Bothell Phase 4	Teaching	PD/D/C	-	-	350	-	5,650	-	62,000	-	-	-	68,000
20	UW Tacoma Phase 4	Teaching	PD/D/C	-	-	350	-	6,650	-	72,500	-	-	-	79,500
21	College of Arts & Sciences Academic Building - Renovation	Teaching	D/C	-	-	-	-	-	-	4,250	-	43,750	-	48,000
22	Eagleson Hall Renovation	Teaching	D/C	-	-	-	-	-	-	1,000	-	11,000	-	12,000
99	Burke Museum			-	-	-	-	-	-	-	-	-	-	-
Biennial TOTALS:				240,295	47,800	157,600	48,700	159,100	49,200	345,000	49,500	127,250	50,500	1,274,945

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Ten Year Capital Plan by Priority

2011-13 Biennium

Version: 02 FINAL

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Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
1	30000372 UW Minor Capital Repairs									
	057-1 State Bldg	281,550,000				61,150,000	58,600,000	57,800,000	52,500,000	51,500,000
	Constr-State									
	064-1 UW Building	117,550,000				22,170,000	23,070,000	23,570,000	23,870,000	24,870,000
	Account-State									
	Project Total:	399,100,000				83,320,000	81,670,000	81,370,000	76,370,000	76,370,000
2	30000381 UW Minors -Program									
	064-1 UW Building	128,150,000				25,630,000	25,630,000	25,630,000	25,630,000	25,630,000
	Account-State									
3	30000371 UW High Voltage Infrastructure Improvement Project									
	057-1 State Bldg	4,850,000				4,850,000				
	Constr-State									
4	20081002 Denny Hall Renovation									
	057-1 State Bldg	56,917,390	2,302,390			54,615,000				
	Constr-State									
5	30000021 House of Knowledge Longhouse									
	057-1 State Bldg	3,000,000		300,000		2,700,000				
	Constr-State									
	252-7 HI Ed N-Prop Lcl	7,650,000					7,650,000			
	Cap-Private/Local									
	Project Total:	10,650,000		300,000		2,700,000	7,650,000			
6	30000370 Odegaard Undergraduate Learning Center, Phase I									
	057-1 State Bldg	19,500,000				19,500,000				
	Constr-State									
7	20082006 UW Bothell									
	057-1 State Bldg	64,830,055	106,242	873,813	1,000,000	62,850,000				
	Constr-State									
8	20092003 UW Tacoma-Land Acquisition									
	057-1 State Bldg	25,000,000				5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
	Constr-State									

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Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
8	20092003 UW Tacoma-Land Acquisition	2,469,000		2,469,000						
	064-1 UW Building Account-State	2,469,000		2,469,000						
	253-1 Education Constr-State	4,000,000	1,531,000		2,469,000					
	Project Total:	31,469,000	1,531,000	2,469,000	2,469,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
9	20091002 Anderson Hall Renovation	21,750,000		200,000			19,050,000			
	057-1 State Bldg Constr-State	21,750,000		200,000			19,050,000			
10	20081003 Lewis Hall Renovation	25,057,708	1,449,708	478,000		23,130,000				
	057-1 State Bldg Constr-State	25,057,708	1,449,708	478,000		23,130,000				
11	20091001 Miller Hall Renovation	44,000,000				4,000,000	40,000,000			
	057-1 State Bldg Constr-State	44,000,000				4,000,000	40,000,000			
12	30000374 UW Seattle Major Infrastructure Projects- Multiple	46,500,000					8,500,000	18,000,000	12,000,000	8,000,000
	057-1 State Bldg Constr-State	46,500,000					8,500,000	18,000,000	12,000,000	8,000,000
13	30000373 Odegaard Undergraduate Learning Center- Phase 2	19,500,000					19,500,000			
	057-1 State Bldg Constr-State	19,500,000					19,500,000			
14	30000375 UW Tacoma Major Infrastructure Projects- Multiple	15,500,000					250,000	2,250,000	10,000,000	3,000,000
	057-1 State Bldg Constr-State	15,500,000					250,000	2,250,000	10,000,000	3,000,000
15	30000376 UW Bothell Major Infrastructure Projects	10,500,000					250,000	5,000,000	250,000	5,000,000
	057-1 State Bldg Constr-State	10,500,000					250,000	5,000,000	250,000	5,000,000
16	20111002 Hutchinson Hall Renovation	30,000,000					3,000,000	27,000,000		
	057-1 State Bldg Constr-State	30,000,000					3,000,000	27,000,000		
17	30000377 College of Engineering Academic Building- Renovation									

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Ten Year Capital Plan by Priority

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Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
17	30000377 College of Engineering Academic Building	25,000,000					2,250,000	22,750,000		
	057-1 State Bldg Constr-State									
18	30000380 Health Science Teaching Building	135,000,000					500,000	9,000,000	125,500,000	
	057-1 State Bldg Constr-State									
19	30000378 UW Bothell Phase 4	68,000,000					350,000	5,650,000	62,000,000	
	057-1 State Bldg Constr-State									
20	20102002 UW Tacoma	79,500,000					350,000	6,650,000	72,500,000	
	057-1 State Bldg Constr-State									
21	30000379 College of Arts & Sciences Academic Building- Renovation	48,000,000							4,250,000	43,750,000
	057-1 State Bldg Constr-State									
22	20111005 Eagleton Hall Renovation	12,000,000							1,000,000	11,000,000
	057-1 State Bldg Constr-State									
23	30000027 Minor Works - Facility Preservation	19,135,000		15,135,000	4,000,000					
	057-1 State Bldg Constr-State									
	064-1 UW Building Account-State	15,040,000		13,040,000	2,000,000					
	Project Total:	34,175,000		28,175,000	6,000,000					
24	30000022 Safe Campus	8,000,000		7,000,000	1,000,000					
	064-1 UW Building Account-State									
25	20082852 UW Tacoma-Soils Remediation	1,000,000			1,000,000					
	173-1 State Toxics Control-State									
26	30000470 Infrastructure Savings									

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Ten Year Capital Plan by Priority

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Project by Agency Priority

Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
26	30000470 Infrastructure Savings	1				1				
	057-1 State Bldg Constr-State									
	064-1 UW Building Account-State	1				1				
	Project Total:	2				2				
99	20082850 Burke Museum Renovation	300,000		300,000						
	057-1 State Bldg Constr-State			300,000						
	252-7 HI Ed N-Prop Lcl Cap-Private/Local	17,500,000					17,500,000			
	Project Total:	17,800,000		300,000			17,500,000			
Total		1,356,749,155	5,389,340	39,795,813	11,469,000	288,095,002	231,450,000	208,300,000	394,500,000	177,750,000

Total Account Summary

Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
057-1 State Bldg Constr-State	1,055,390,154	3,858,340	17,286,813	5,000,000	240,295,001	157,600,000	159,100,000	345,000,000	127,250,000
064-1 UW Building Account-State	271,209,001		22,509,000	3,000,000	47,800,001	48,700,000	49,200,000	49,500,000	50,500,000
173-1 State Toxics Control-State	1,000,000			1,000,000					
252-7 HI Ed N-Prop Lcl Cap-Private/Local	25,150,000					25,150,000			
253-1 Education Constr-State	4,000,000	1,531,000		2,469,000					
Total	1,356,749,155	5,389,340	39,795,813	11,469,000	288,095,002	231,450,000	208,300,000	394,500,000	177,750,000

Ten Year Capital Plan by Priority

2011-13 Biennium

*

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Functional Area	*	All Functional Areas
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Include Enacted	N	No
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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Ten Year Capital Plan by Project Class**
2011-13 Biennium *

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Date Run: 8/31/2010 4:32PM

Project Class: Preservation											
Agency Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21	
1	30000372 UW Minor Capital Repairs										
	057-1 State Bldg Constr-State	281,550,000				61,150,000	58,600,000	57,800,000	52,500,000	51,500,000	
	064-1 UW Building Account-State	117,550,000				22,170,000	23,070,000	23,570,000	23,870,000	24,870,000	
	Project Total:	399,100,000				83,320,000	81,670,000	81,370,000	76,370,000	76,370,000	
3	30000371 UW High Voltage Infrastructure Improvement Project										
	057-1 State Bldg Constr-State	4,850,000				4,850,000					
4	20081002 Denny Hall Renovation										
	057-1 State Bldg Constr-State	56,917,390	2,302,390			54,615,000					
9	20091002 Anderson Hall Renovation										
	057-1 State Bldg Constr-State	21,750,000		200,000		2,500,000	19,050,000				
10	20081003 Lewis Hall Renovation										
	057-1 State Bldg Constr-State	25,057,708	1,449,708	478,000		23,130,000					
11	20091001 Miller Hall Renovation										
	057-1 State Bldg Constr-State	44,000,000				4,000,000	40,000,000				
12	30000374 UW Seattle Major Infrastructure Projects- Multiple										
	057-1 State Bldg Constr-State	46,500,000					8,500,000	18,000,000	12,000,000	8,000,000	
14	30000375 UW Tacoma Major Infrastructure Projects- Multiple										
	057-1 State Bldg Constr-State	15,500,000					250,000	2,250,000	10,000,000	3,000,000	
15	30000376 UW Bothell Major Infrastructure Projects										
	057-1 State Bldg Constr-State	10,500,000					250,000	5,000,000	250,000	5,000,000	
16	20111002 Hutchinson Hall Renovation										

**360 - University of Washington
Ten Year Capital Plan by Project Class**
2011-13 Biennium *

Version: 02 FINAL

Report Number: CBS001
Date Run: 8/31/2010 4:32PM

Project Class: Preservation											
Agency	Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
	16	20111002 Hutchinson Hall Renovation	30,000,000					3,000,000	27,000,000		
		057-1 State Bldg Constr-State									
	17	30000377 College of Engineering Academic Building- Renovation	25,000,000					2,250,000	22,750,000		
		057-1 State Bldg Constr-State									
	21	30000379 College of Arts & Sciences Academic Building- Renovation	48,000,000							4,250,000	43,750,000
		057-1 State Bldg Constr-State									
	22	20111005 Eagleton Hall Renovation	12,000,000							1,000,000	11,000,000
		057-1 State Bldg Constr-State									
	23	3000027 Minor Works - Facility Preservation	19,135,000							4,000,000	
		057-1 State Bldg Constr-State									
		064-1 UW Building Account-State	15,040,000		13,040,000	2,000,000					
		Project Total:	34,175,000		28,175,000	6,000,000					
	24	3000022 Safe Campus	8,000,000							1,000,000	
		064-1 UW Building Account-State			7,000,000						
	25	20082852 UW Tacoma-Soils Remediation	1,000,000							1,000,000	
		173-1 State Toxics Control-State									
	26	30000470 Infrastructure Savings	1								1
		057-1 State Bldg Constr-State									
		064-1 UW Building Account-State	1								1
		Project Total:	2								2
	99	20082850 Burke Museum Renovation									

**360 - University of Washington
Ten Year Capital Plan by Project Class**
2011-13 Biennium *

Version: 02 FINAL

Report Number: CBS001
Date Run: 8/31/2010 4:32PM

Project Class: Preservation										
Agency	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
99	20082850 Burke Museum Renovation	300,000		300,000						
	057-1 State Bldg Constr-State	300,000		300,000						
	252-7 HI Ed N-Prop Lcl Cap-Private/Local	17,500,000					17,500,000			
	Project Total:	17,800,000		300,000			17,500,000			
	Total: Preservation	800,150,100	3,752,098	36,153,000	8,000,000	172,415,002	172,470,000	156,370,000	103,870,000	147,120,000

Project Class: Program										
Agency	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
2	30000381 UW Minors -Program	128,150,000					25,630,000	25,630,000	25,630,000	25,630,000
	064-1 UW Building Account-State	128,150,000					25,630,000	25,630,000	25,630,000	25,630,000
5	30000021 House of Knowledge Longhouse	3,000,000		300,000		2,700,000				
	057-1 State Bldg Constr-State	3,000,000		300,000		2,700,000				
	252-7 HI Ed N-Prop Lcl Cap-Private/Local	7,650,000					7,650,000			
	Project Total:	10,650,000		300,000		2,700,000	7,650,000			
6	30000370 Odegaard Undergraduate Learning Center, Phase I	19,500,000								
	057-1 State Bldg Constr-State	19,500,000								
7	20082006 UW Bothell	64,830,055	106,242	873,813	1,000,000	62,850,000				
	057-1 State Bldg Constr-State	64,830,055	106,242	873,813	1,000,000	62,850,000				
8	20092003 UW Tacoma-Land Acquisition									

**360 - University of Washington
Ten Year Capital Plan by Project Class**
2011-13 Biennium *

Version: 02 FINAL

Report Number: CBS001
Date Run: 8/31/2010 4:32PM

Project Class: Program										
Agency Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
8	20092003 UW Tacoma-Land Acquisition									
	057-1 State Bldg Constr-State	25,000,000				5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
	064-1 UW Building Account-State	2,469,000		2,469,000						
	253-1 Education Constr-State	4,000,000	1,531,000		2,469,000					
	Project Total:	31,469,000	1,531,000	2,469,000	2,469,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
13	30000373 Odegaard Undergraduate Learning Center- Phase 2									
	057-1 State Bldg Constr-State	19,500,000					19,500,000			
18	30000380 Health Science Teaching Building									
	057-1 State Bldg Constr-State	135,000,000					500,000	9,000,000	125,500,000	
19	30000378 UW Bothell Phase 4									
	057-1 State Bldg Constr-State	68,000,000					350,000	5,650,000	62,000,000	
20	20102002 UW Tacoma									
	057-1 State Bldg Constr-State	79,500,000					350,000	6,650,000	72,500,000	
	Total: Program	556,599,055	1,637,242	3,642,813	3,469,000	115,680,000	58,980,000	51,930,000	290,630,000	30,630,000

Total Account Summary									
Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
057-1 State Bldg Constr-State	1,055,390,154	3,858,340	17,286,813	5,000,000	240,295,001	157,600,000	159,100,000	345,000,000	127,250,000
064-1 UW Building Account-State	271,209,001		22,509,000	3,000,000	47,800,001	48,700,000	49,200,000	49,500,000	50,500,000
173-1 State Toxics Control-State	1,000,000			1,000,000					

360 - University of Washington
 Ten Year Capital Plan by Project Class
 2011-13 Biennium *

Version: 02 FINAL

Report Number: CBS001
 Date Run: 8/31/2010 4:32PM

Total Account Summary

Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2011-13	New Approp 2011-13	Estimated 2013-15	Estimated 2015-17	Estimated 2017-19	Estimated 2019-21
252-7 HI Ed N-Prop Lcl Cap-Private/Local	25,150,000					25,150,000			
253-1 Education Constr-State	4,000,000	1,531,000		2,469,000					
Total	1,356,749,155	5,389,340	39,795,813	11,469,000	288,095,002	231,450,000	208,300,000	394,500,000	177,750,000

Ten Year Capital Plan by Project Class

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Report Number: CBS001
Date Run: 8/31/2010 4:32PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Functional Area	*	All Functional Areas
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Include Enacted	N	No
Sort Order	Project Class	Project Class
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids



STATE OF WASHINGTON
DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION

1063 S. Capitol Way, Suite 106 • Olympia, Washington 98501

Mailing address: PO Box 48343 • Olympia, Washington 98504-8343

(360) 586-3065 • Fax Number (360) 586-3067 • Website: www.dahp.wa.gov

July 8, 2010 (Revised August 23, 2010)

Ms. Rebecca G. Barnes, FAIA
 University Architect
 Office of Budgeting & Planning
 UW Tower, T-12
 Box 359445
 Seattle, WA 98195-9445

In future correspondence please refer to:

Log: 070810-04-UW

Property: Burke Museum, House of Knowledge, & Anderson Hall

Re: UW Predesign Studies

Dear Ms. Barnes:

Thank you for providing the above referenced predesign studies to the Washington State Department of Archaeology and Historic Preservation (DAHP). Review of the studies has been carried out on behalf of the State Historic Preservation Officer under provisions of the Governor's Executive Order 05-05. My review is based upon documentation contained in the studies.

Because the Burke Museum is nearing 50 years old and will likely become that age before proposed work is carried out, it is recommended that an evaluation of its National Register/Washington Heritage Register eligibility be carried out before proceeding with further review under the Governor's Executive Order. A DAHP electronic Historic Property Inventory Form (HPI) should be submitted as part of the evaluation process. If the property is determined eligible, the proposed major reconfiguration of the building may result in negative impacts.

With regard to Lewis Hall, a Washington Heritage Register listed property; we see no major impacts from the relatively small scale adjacent House of Knowledge development. However, we recommend consideration be given to pulling back the proposed north structure as much as possible to the east to increase views of the front of Lewis Hall from the south.

Anderson Hall is a historic property that contributes to the historic character of the UW Campus. A new or updated HPI form should also be provided for this property. Preliminary plans for the exterior of the building appear to be consistent with the Secretary of the Interior's Standards for Rehabilitation (Standards). However, we suggest every effort be made to retain and refurbish as many original existing windows as possible. We also suggest modifying the proposed approach for renovating the interior. The Standards recommend retention of as many significant interior features as possible while allowing a certain degree of reconfiguration for updated uses. Whenever possible, it is recommended that certain building fabric, such as decorative features, historic woodwork and trim, doors, stairways, corridor configuration, etc. be retained so that the property's historic character is recognizable on the interior as well as the exterior after rehabilitation is complete.

Thank you for the opportunity to review and comment. If you have any questions, please contact me.

Sincerely,

Stephen A. Mathison
 Historical Architect

(360) 586-3079

stephen.mathison@dahp.wa.gov





STATE OF WASHINGTON
DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION

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July 20, 2010

Ms. Rebecca G. Barnes, FAIA
 University Architect
 University of Washington
 UW Tower, T-12
 Box 359445
 Seattle, WA 98195-9445

In future correspondence please refer to:

Log: 072010-12-UW

Property: Odegaard Undergraduate Learning Center

Re: Renovation, Phase 1; Predesign Report

Dear Ms. Barnes, FAIA:

Thank you for providing the above referenced predesign report to the Washington State Department of Archaeology and Historic Preservation (DAHP). Review of the report has been carried out on behalf of the State Historic Preservation Officer under provisions of the Governor's Executive Order 05-05.

Because the Odegaard Undergraduate Learning Center is less than fifty years old and does not meet criteria of exceptional significance, it is not eligible for listing in the National Register of Historic Places or the Washington Heritage Register. For this reason, further review of the proposed renovation project is not required. However, it is recommended that re-evaluation of the building's eligibility for the registers be reconsidered when it turns fifty years of age.

Thank you for the opportunity to review and comment. If you have any questions, please contact me.

Sincerely,

Stephen A. Mathison
 Historical Architect
 (360) 586-3079
stephen.mathison@dahp.wa.gov

cc Colleen Pike



STATE OF WASHINGTON

DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION

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August 18, 2010

Ms. Rebecca G. Barnes, FAIA
 University Architect
 University of Washington
 UW Tower, T-12
 Box 359445
 Seattle, WA 98195-9445

In future correspondence please refer to:

Log: 081810-18-UW
 Property: Capital Programs Projects for the 2011-13 Biennium
 Re: Request for Exemptions

Dear Ms. Barnes:

We have reviewed the Capital Programs Projects for the 2011-13 Biennium. We concur with your professional opinion that the Minor Repairs projects funded in the upcoming biennium should be exempted from Governor's Executive Order 05-05 (GEO 05-05) except in those cases where scope of work includes ground disturbing activities or where significant historical elements of structures over 50 years of age may be affected.

The UW High Voltage Infrastructure Upgrades should not have an affect to historic structures or other cultural resources so long as there are no new penetrations to buildings on the campus (over 50-years of age) or new tunneling is required for the installation of cables and switches.

We look forward to consultation with your office on the UW-Bothell Campus New Academic Buildings and the UW-Tacoma Land Acquisitions since there is a possibility that cultural resources could be affected. We also look forward to consulting with you on the Miller Hall Renovations once it moves out of pre-design and into the pre-construction phase.

If any federal funds or permits are involved, Section 106 of the National Historic Preservation Act and its implementing regulations, 36CFR800, must be followed. This is a separate process from GEO 05-05 and requires formal consultation with the affected Tribes and this agency.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer. Should additional information become available, our assessment may be revised.

Thank you for the opportunity to comment on this project and we look forward to receiving the information pertaining to the non-exempted projects. Should you have any questions, please feel free to contact me.

Sincerely,



Russell Holter
Project Compliance Reviewer
(360) 586-3533
russell.holter@dahp.wa.gov

University of Washington Strategic Framework

Capital FTE Summary

The University of Washington charges staff costs that are specific to a capital project and directly related to the execution of the project to the capital project budget approved for each project.

Project administration fees for the 2011-2013 biennium will depend on the level of capital funding appropriated and will meet the standards in Chapter 5 of the Office of Financial Management Capital Budget Instructions. The authorized staff FTEs for FY 2010 are 66 and the authorized FTEs for FY 2011 are 65. The projected FTEs for the 2011-13 biennium are expected to be the same - 66 FTE for FY 2012 and 65 FTE for FY 2013. Total FTEs by job classification and the source of funds are shown on the following page.

Project Managers oversee the planning, design and budgeting of projects for all phases of a project. This includes: developing project programs, conducting consultant selection processes, coordinating reviews of the project, providing direction to the construction management team, approving change orders, monitoring the budget, preparing project status reports, and recommending final project acceptance. Construction Managers monitor the construction portion of projects on a daily basis, coordinating and communicating the logistics and flow of work as well as processing change orders, and inspecting and approving the quality of work.

Business services provided include administrative, contracts management, financial and project control services.

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360 - University of Washington

Capital FTE Summary

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS004

Date Run: 8/29/2010 2:16PM

FTEs by Job Classification

<u>Job Class</u>	Authorized Budget		2011-13 Biennium	
	2009-11 Biennium		2011-13 Biennium	
	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
Accountant			1.0	1.0
Accounting Manager			1.0	1.0
Administrative Assistants			3.0	3.0
Associate Construction Managers			12.0	12.0
Construction Assistants			6.0	6.0
Construction Manager			5.0	5.0
Contracts Officer			1.0	1.0
Director			2.0	2.0
Estimator			1.0	1.0
Fiscal Specialist			2.0	2.0
Office assistant			1.0	1.0
Program Assistant			1.0	1.0
Program Coordinator			2.0	2.0
Program Manager			2.0	2.0
Program Support			1.0	1.0
Programmer			2.0	2.0
Project Engineer			3.0	3.0
Project Manager			16.0	15.0
Senior Secretary			4.0	4.0
Total FTEs			66.0	65.0

Account

<u>Account - Expenditure Authority Type</u>	Authorized Budget		2011-13 Biennium	
	2009-11 Biennium		2011-13 Biennium	
	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
057-1 State Bldg Constr-State			3,156,365	3,156,365
064-1 UW Building Account-State			1,170,000	1,170,000
253-1 Education Constr-State			125,600	0
357-1 Gard-Evans H Ed C A-State			121,560	0
Total Funding			4,573,525	4,326,365

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Capital FTE Summary

2011-13 Biennium

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Report Number: CBS004**Date Run:** 8/29/2010 2:16PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
User Group	Agency Budget	Agency Budget

TAB B

Preservation Projects

PRESERVATION PROJECTS – Capital Project Request Summary

2011 - 2013 Request Background

Through investments spanning over 125 years, the value of state-supported buildings at the University of Washington now totals approximately six billion dollars¹. Preserving and extending the life of these public assets is the foundation of the cost effective and environmentally forward-looking University of Washington Ten-Year Capital Plan. UW's 2011-13 Capital Budget Request is focused primarily on the efficient reuse and enhancement of our existing space and infrastructure.

According to the 2010 Update of the Washington State Office of Financial Management Comparable Framework, the average age of a University of Washington facility is 47 years. The normal life expectancy for major systems such as mechanical, electrical, and roofing, is approximately 30 years. Due to the limited availability of funds, the replacement of many of these systems has been deferred – creating a significant and growing backlog of capital asset repair. The UW's 2011-13 Capital Budget Request and Ten-Year Capital Plan presents our recommended strategy for reducing our significant backlog of deferred maintenance by increasing the investment in minor capital repairs and sustaining previous public investment in building renovations.

This emphasis on Minor Repairs and Renewal of existing buildings and infrastructure acknowledges OFM's Comparable Framework, represents our careful assessment of the UW capital assets, and reflects mutual agreement on the critical need to reverse the deterioration of a wide range of buildings and infrastructure on the UW Seattle campus. The majority of capital requests for major projects target the renovation of aging buildings and infrastructure. Over 75% of the University's 2011-2013 State Capital Request is directed towards backlog reduction and building renewal projects.

Although comprehensive building renovation requests for major academic classroom buildings like Denny Hall, Odegaard Undergraduate Learning Center, Anderson Hall, Lewis Hall and Miller Hall are a cost effective way to renew and reuse UW buildings, this biennium's Minor Repairs request systematically solves an even wider range of time-critical life safety, utility system, programmatic and accessibility conditions which, unless solved, will result in a reduction of usable existing space.

The multi-pronged approach addresses preservation backlog in a wide range of buildings and identifies increased funding of the Minor Repair program, in strategic association over time with funding for individual comprehensive building renovations, to realistically address the backlog problem over time and in the most cost-effective manner. This dual strategy, we believe, is an effective and responsible strategy for the use of the public's resources to preserve and enhance the immensely valuable investment the public has made in the buildings and infrastructure at the University of Washington for over one hundred years.

¹ According to the 2010 Update of the Washington State Office of Financial Management Comparable Framework Estimated Current Replacement Value for the University of Washington.

PRESERVATION PROJECTS – Capital Project Request Summary

Minor Capital Repair – Infrastructure, Health, Safety – 2011-2013 Request

\$83.32M

The University of Washington requests \$61.15 million of state funding and \$22.17 million from the UW Building Account be appropriated for minor capital preservation projects. Projects in this category are estimated to cost between \$25,000 and \$2 million and are prioritized as the most urgent of the University's minor capital preservation needs. Sub-projects are defined within each of the following broad categories: Building Repair and Renewal, Mechanical and Electrical Systems, Fire and Life Safety Improvements, Data and Communications Infrastructure, Utilities and Site Work, Roads and Pathways, and Contingency Projects for Emergency Repairs. All preservation projects aim to preserve and extend the life of existing campus facilities and their supporting infrastructure systems.

Building Repair and Renewal: \$26.17M

Safe, sound and functional buildings are critical to the academic mission of the UW. This group of projects addresses deficiencies in existing building systems including: emergency structural repairs, roof repairs and replacement, roofing membrane replacement, window repair and replacement, exterior masonry and siding, and the replacement of worn interior finishes within public spaces.

Mechanical and Electrical Systems Repair and Renewal: \$18.25M

Projects in the mechanical and electrical systems category include the repair and replacement of campus heating and cooling systems (boilers, heat pumps, water piping, chillers, and cooling tower replacement); the modernization of building HVAC, monitoring and control systems to improve performance and increase efficiency; and elevator repairs and replacement projects. This category also includes the repair and modernization of outdated electrical systems including power generation equipment, campus and building distribution systems and emergency backup power systems.

Fire and Life Safety Improvements: \$10.3M

These projects provide fire protection and alarm system upgrades, and other life and workplace safety projects within existing campus buildings.

Data and Communications Infrastructure Improvements: \$8.6M

Modern information technology plays a central role supporting the academic and research mission of the UW. The projects in this group are separated into three sub-categories including: UW Fiber Regional Distribution from the UW Seattle to UW Bothell and UW Tacoma campuses, Campus Network Distribution, and Building Network Distribution. Projects included in the current biennium request are part of a multi-year program to systematically upgrade communication infrastructure region-wide.

PRESERVATION PROJECTS – Capital Project Request Summary

Utilities and Site Work Repair and Replacement: \$8.05M

Projects in this category repair and replace aging utility services on campus including sewer, water, gas, and electrical service. Site work includes landscape improvements including irrigation system repair and water conservation measures. The UW utility infrastructure system promotes general health and safety, and provides resources to buildings on campus required for the functionality of UW programs.

Roads and Pathways Repair and Renewal: \$4.55M

This group of projects repairs and resurfaces existing roads and pedestrian pathways, and provides lighting upgrades to ensure safe and sufficient circulation through campus.

Contingency Projects for Emergency Repairs: \$7.4M

The UW contingency funding request for unanticipated building and infrastructure repairs is for the immediate protection and preservation of life, health, safety, and capital assets.

The UW follows a defined process for allocating emergency repair funds. In the event of a building, infrastructure or facilities system failure, UW Facilities Services and/or UW Environmental Health and Safety responds immediately to stabilize the situation, and then alerts the UW Office of Planning & Budgeting. Together they develop an appropriate course of action and prepare a cost estimate to repair and restore the failed system to safe operation. Reporting to the Provost, the UW Office of Planning & Budgeting approves allocation of emergency repair funds.

The projected contingency-for-emergency-repairs is based on expenditure trends in each of the following minor works preservation categories and is expressed as a percent of the total requested emergency repair funds: building repairs (34.5%), electrical systems (27%), mechanical systems (22.3%), utility infrastructure (6.8%), fire and life safety repairs (6.8%), and emergency road way repairs (2.7%).

A list of “emergency projects” completed by the University of Washington in the 2007-2009 biennium may be found in the CBS002 Capital Project Request Report. It includes approximately 50 projects in a cost range from \$2,000 to \$1,500,000. “Emergency projects,” based upon on the University’s definition, totaled \$7.3M in 2007-09.

High Voltage Infrastructure Improvement – 2011-2013 Request

\$4.85M for Design and Construction Phases

The University of Washington requests \$4.85 million for significant improvements and upgrades to the high voltage electrical utility distribution system with 200+ transfer switches, over 22 miles of high and medium voltage cable within 7 miles of the utility tunnel system, and over 100 sectionalizing switchgear stations on the UW Seattle campus. This system is the backbone to the provision of reliable, high

PRESERVATION PROJECTS – Capital Project Request Summary

quality, and uninterrupted electrical power to classrooms, research laboratories, the University Medical Center and many other critical University facilities and services. To sustain safe and reliable electrical energy services to the University, selected key transformers, electrical cable, and switches will be added to the system in one discrete project as improvements to mitigate potential catastrophic failure at key areas of the University's power delivery system.

Denny Hall Renovation – 2011-2013 Request

\$54.615M for Partial Design Phase and Construction Phase

The University of Washington requests \$54.615 million for Construction Phase funding which will include completion of the project construction documents. State funding was provided in the 2007-09 biennium for the Pre Design and Design Phases.

Completed in 1895, Denny Hall is the oldest building - and was originally the only building - on the current University of Washington Seattle campus. The building has been placed on the Washington State Heritage Register. Today Denny Hall, with 89,745 gross square feet, provides a critical role at the University by providing significant instructional space - 22 general assignment classrooms with a capacity of 765 seats. Denny Hall also is home to the Departments of Anthropology, Classics, Germanics, and Near Eastern Languages & Civilization. In addition, the University's Language Learning Center, which serves more than 15,000 students annually, is located within the building.

Denny Hall remains integral to the history of UW and the lives of hundreds of thousands of the UW students who have passed through its doors. The last significant structural and interior renovation of Denny Hall occurred in 1956. This project will upgrade building systems including: structural, life safety, and information technology infrastructure, and the building's out-dated electrical distribution, plumbing, and mechanical systems. These systems require total replacement and/or major improvement. The Denny Hall Renovation project will include renovation of building systems, refurbishment of the building's exterior and interior features and a comprehensive seismic strengthening improvement which are intended to extend the useful life of the building another 100+ years.

In 2009 approximately \$718,000 was expended in operations and maintenance support for Denny Hall – a quality level of maintenance and operations costs relatively consistent over many years. This project will reduce the deferred maintenance backlog associated with this building as well as restore the original building on campus from its current “needs improvement” status to “superior” within the OFM Facilities Inventory System.

Anderson Hall Renovation – 2011 -2013 Request

\$2.5M for Design Phase

The University of Washington requests \$2.5 million for the Design Phase of the comprehensive renovation of Anderson Hall. Anderson Hall, 35,180 gross square feet, was constructed in 1925 and

PRESERVATION PROJECTS – Capital Project Request Summary

provides instructional space and space for key academic centers within the UW College of the Environment including the Center for Trade in International Forest Products, the Center for Qualitative Science, and the National Ecological Observatory Network. Anderson Hall is one of fifteen buildings identified in the “Restore the Core” program of major building renovations described in the June 2004 UW Building Restoration and Renewal Prioritization Study. The renovation will upgrade and/or replace major building systems and include seismic strengthening to improve the operational activities within the building. The project will provide universal access to the building, provide comprehensive renewal of building systems, and allow the building to be used by more students and programs than currently supported due its poor condition.

In 2009 approximately \$281,000 was expended in operations and maintenance support for Anderson Hall – a quality level of maintenance and operations costs relatively consistent over many years. This project will reduce the deferred maintenance backlog associated with this building as well as restore the original building on campus from its current “needs improvement” status to “superior” within the OFM Facilities Inventory System.

Lewis Hall Renovation – 2011-2013 Request

\$23.1M for Construction Phase

The University of Washington requests \$23.1 million for the Construction Phase to renovate the existing 23,220 gross square foot building and build a 9,250 gross square foot addition to Lewis Hall. Lewis Hall, which houses key academic programs, was constructed in 1896 and is listed in the Washington State Heritage Register. This 114 year-old building has never undergone a major renovation. The building systems in Lewis Hall are past their useful life and require comprehensive replacement with code-compliant structural (seismic strengthening) mechanical, electrical, plumbing, and fire and life safety systems. Restoration of the historic building to arrest further decline and sustain its cultural and architectural character is planned. The project includes the replacement and upgrade of all major building systems, restoration of its historic character and an addition to provide academic program space.

In 2009 the UW, with the support of the state, spent approximately \$186,000 in operations and maintenance for Lewis Hall – a quality level of maintenance and operations costs relatively consistent over many years. This project will reduce the deferred maintenance backlog associated with this building as well as restore the building, moving it from its current “needs improvement” status to “superior” within the OFM Facilities Inventory System.

Miller Hall Renovation – 2011-2013 Request

\$4M for Pre Design and Design Phase

The University of Washington is requesting \$4 million for the Pre Design and Design Phases of the renovation of Miller Hall. The proposed project will renovate and renew the 72,655 gross square foot

PRESERVATION PROJECTS – Capital Project Request Summary

facility for the University of Washington’s College of Education. There are four classrooms and a 150 seat auditorium in Miller Hall which serve the entire student body and these will be modernized. As with other projects in the successful “Restore the Core” program, it is anticipated that a combined programming (Pre Design Phase) and Design Phase can be efficiently and effectively developed in one biennium.

Miller Hall is one of the fifteen buildings in the "Restore the Core" program for the Seattle campus recommended for "major improvements or replacements of all major building systems." The renovation will upgrade and/or replace major building systems including seismic strengthening to improve the operational activities within the building. The project will provide universal access to the building, provide comprehensive renewal of building systems, and allow the building to be used by more students and programs than currently supported due its poor condition. Upgrades to improve the energy performance of the building envelope are planned, as are exterior building restoration and enhancements to the information technology infrastructure to support the important instructional classroom functions occurring within the building.

In 2009 approximately \$281,000 was expended in operations and maintenance support for Miller Hall – a quality level of maintenance and operations costs relatively consistent over many years. This project will reduce the deferred maintenance backlog associated with this building as well as restore the building - moving it from its current “needs improvement” status to “superior” within the OFM Facilities Inventory System.

FUTURE BIENNIA REQUESTS

UW Seattle Major Infrastructure Improvements – Future Biennia

\$46.5M for Design and Construction Phases

The University of Washington will request \$46.5M in future biennia to invest in major capital infrastructure improvements on the UW Seattle campus. These projects will assist the UW in reducing its greenhouse gas emissions by 36% below the University’s 2005 emission level by the year 2035 - a key goal identified in the University of Washington’s Climate Action Plan.

Development of a new central energy conservation center – the largest capital component of the proposed UW Seattle Major Infrastructure Improvements - will cost-effectively and sustainably service many areas of the UW Seattle campus by utilizing the valuable existing utility tunnel system.

UW Seattle’s planned major infrastructure improvements includes a “Smart Campus” project, green street/storm water management projects, an emergency power system improvement, major boiler and steam plant improvements, chilled water system improvements, among other major capital energy-conserving projects.

PRESERVATION PROJECTS – Capital Project Request Summary

UW Tacoma Major Infrastructure Projects – Future Biennia

\$15.5M for Pre Design, Design and Construction Phases

The University of Washington will request \$15.5 million in future biennia to invest in major capital infrastructure projects on the UW Tacoma campus. These projects, including a central service energy conservation center, are essential in building an operational and cost-efficient foundation that will support the physical growth of UW Tacoma. Perhaps more important, these projects will provide much more energy efficiency, water conservation, and support for sustainable initiatives on UW Tacoma campus by reducing life cycle costs and reducing its carbon footprint. The intent of the major infrastructure projects is to approach infrastructure investment comprehensively with a focus on efficient return on investment.

Development of a new central energy conservation center – the largest capital component of the 10-Year Infrastructure Plan for UW Tacoma - will cost-effectively and sustainably service the future UW Tacoma campus, and, begin to service existing university facilities as the mechanical equipment serving individual campus buildings exceeds its service life.

The current UW Tacoma campus footprint capacity is approximately twenty percent developed; therefore, development of a central energy conservation center will be key to achieving substantive life cycle cost savings for all future campus development. This Center will also house the campus main electrical distribution center, providing the ability to control and manage the distribution of more reliable regular and emergency power cost effectively. Infrastructure funding will allow the campus to leverage additional innovative alternative power-generating opportunities from wind, solar thermal, photovoltaic (PV) and other emerging technologies.

UW Bothell Major Infrastructure Projects – Future Biennia

\$10.5M for Pre Design, Design and Construction Phases

The University of Washington will request \$10.5 million in future biennia to invest in major capital infrastructure projects on the UW Bothell campus. These projects, including expansion of the existing UW Bothell central plant, intra-campus vehicular, and pedestrian circulation storm water management improvements, and expansion of major utility distribution systems, are essential in building an operational and cost-efficient foundation that will support the development of the campus as it grows to meet a target of 6,000 student FTE enrollment level.

The intent of the major infrastructure projects is to approach infrastructure comprehensively and efficiently – to reduce water consumption, provide energy conservation, enhance operational efficiencies, and support green initiatives particularly storm water management as it relates to wetland restoration.

PRESERVATION PROJECTS – Capital Project Request Summary

Hutchinson Hall Renovation – Future Biennia

\$30M for Design and Construction Phases

The University of Washington will request \$30 million in future biennia to renovate Hutchinson Hall. Hutchinson Hall was constructed in 1927 as an athletic facility for female students. The 55,160 gross square foot building provides general assignment classrooms and multi-use space, as well as providing University library space and other teaching space for College of Arts and Sciences departments. The swimming pool at the south end of the building - which in the past contributed to the relatively low occupancy of the building – was decommissioned starting in the summer of 2010. A minor renovation is in progress to allow immediate and partial use of this decommissioned area for teaching space before the end of 2010.

While the building’s masonry exterior was improved prior to 2004, the building envelope’s doors and windows require energy-conserving replacements, the building structural system requires seismic strengthening, the mechanical, electrical, and voice/data communications infrastructure will become code-compliant, and the building’s upper floors will become accessible with addition of an elevator system.

In 2009 approximately \$441,000 was expended in operations and maintenance support for Hutchinson Hall – a quality level of maintenance and operations costs relatively consistent over many years. This project will reduce the deferred maintenance backlog associated with this building as well as restore the building - moving it from its current “needs improvement” status to “superior” within the OFM Facilities Inventory System.

College of Engineering Academic Building Renovation – Future Biennia

\$25M for Design and Construction Phases

The University of Washington will request \$25 million in future biennia for renovation of an existing University of Washington building, in lieu of a new building, to serve as a College of Engineering Academic Building. The project anticipates a renovation of approximately 40,000 gross square feet in order to accommodate the academic needs of the growing UW College of Engineering. For the entering undergraduate class in fall quarter 2010, the University was only able to accept fewer than 50% of the qualified applicants in this high demand area. The project will provide additional engineering curriculum teaching laboratories, classroom and collaborative study areas, and highly flexible engineering projects and research work spaces to meet the increasing student demand for the engineering disciplines.

In 2009 approximately \$320,000 was expended in operations and maintenance support for a building of this size and age – a quality level of maintenance and operations costs relatively consistent over many years. This project will likely reduce the deferred maintenance backlog associated with this type of older building as well as restore the building - moving it from typically “fair” status to “superior” within the OFM Facilities Inventory System.

PRESERVATION PROJECTS – Capital Project Request Summary

College of Arts & Sciences Academic Building Renovation – Future Biennia

\$48M for Design and Construction Phases

The University of Washington will request \$48 million in future biennia for the renovation of an existing building for the College of Arts & Sciences. The project will extend the life of the building and provide academic space to support the College's growing educational mission. The College of Arts & Sciences faculty members provide the vast majority of instruction for UW undergraduate students. This renovation will provide additional classroom, seminar room, study areas, and academic support spaces that will support the core educational curricula provided by the College to the undergraduate students at the UW Seattle campus.

In 2009 approximately \$640,000 was expended in operations and maintenance support for a building of this size and age – a quality level of maintenance and operations costs relatively consistent over many years. This project will likely reduce the deferred maintenance backlog associated with this type of older building as well as restore the building - moving it from typically "fair" status to "superior" within the OFM Facilities Inventory System.

Eagleson Hall – Future Biennia

\$12M for Design and Construction Phases

The University of Washington will request \$12 million in future biennia for renovation of Eagleson Hall. Constructed in 1922, the 19,000 gross square foot building's primary occupant is the University of Washington Speech and Hearing Sciences program. There are approximately 30 faculty members including clinical supervisory staff, and 240 students at all levels (undergraduate and graduate) within the program.

Eagleson Hall is one of the fifteen buildings in the "Restore the Core" program of major building renovations described in the June 2004 UW Building Restoration and Renewal Prioritization Study. This study includes a priority list of buildings in need of major restoration to address significant disrepair, long overdue renewal and improvements. All of the major building systems – mechanical, electrical, and information technology, will be improved and the building masonry exterior will be repaired. Accessibility improvements will be provided for the building.

In 2009 approximately \$152,000 was expended in operations and maintenance support for Eagleson Hall – a quality level of maintenance and operations costs relatively consistent over many years. This project will reduce the deferred maintenance backlog associated with this building as well as restore the building - moving it from its current "needs improvement" status to "superior" within the OFM Facilities Inventory System.

PRESERVATION PROJECTS – Capital Project Request Summary

Burke Museum of Natural History and Culture Renovation - 2011-2013 Request – University of Washington acting as “Agent” for the Burke Museum

\$5M for Design Phase

The University of Washington has been assisting the Burke Museum in a Pre Design Study Phase in the 2009-11 biennium. The \$300,000 state appropriation for this study was provided to the Burke Museum independent of University of Washington state capital requests. Although the Burke Museum Renovation has not been identified as a priority in the University of Washington 2011-2013 capital budget request, the Burke Museum has decided to proceed independently with a request for \$5 million in Design Phase funding under its designation as the Washington State Museum of Natural History and Culture similar to previous requests from the Washington State History Museum in Tacoma and the Northwest Museum of Arts and Culture in Spokane.

In the cooperative spirit of the UW serving as “agent” for the Burke Museum in its capital planning process, the Office of Financial Management has requested that the UW include the Burke Museum Design Phase Capital Request of \$5M in our capital budget request. The UW has not provided a prioritization of the request but has provided the information required by the Office of Financial Management associated with the Burke Design Phase request for funding

The Burke Museum is responsible for the care of state collections of natural and cultural heritage. The project will address current critical limitations and shortcomings of the facilities including providing adequate climate controls to protect and preserve significant collections of natural and cultural heritage, viewing and storage spaces, security, workshop space, public exhibition areas, and meeting/lecture spaces. The project intends to revitalize and renew the existing building to preserve, protect, and support research and interactions with the public as a statewide resource within the facility and through the Museum’s outstanding educational outreach programs for students, faculty, visitors, and the citizens of the State of Washington.

University of Washington
2011-13 Capital Budget Request
Minor Capital Repair - Infrastructure, Health, Safety (Preservation)

30000382	Building Repair & Renewal: Building Structure & Structural Safety Repairs	\$ 275,000
30000383	Building Repair & Renewal: Building Envelope Repairs - MHSC/C, D, E, F, & G	\$ 1,400,000
30000384	Building Repair & Renewal: Masonry Repair, Tuck Point, & Waterproofing	\$ 1,400,000
30000385	Building Repair & Renewal: Masonry Repair, Tuck Point, & Waterproofing - Kincaid Hall	\$ 2,000,000
30000386	Building Repair & Renewal: Masonry Repair, Tuck Point, & Waterproofing - Mechanical Engineering Building	\$ 1,000,000
30000387	Building Repair & Renewal: Masonry & Cast Stone Restoration - Suzzallo	\$ 2,000,000
30000388	Building Repair & Renewal: Painting & Exterior Finishes	\$ 800,000
30000389	Building Repair & Renewal: Roof Replacement for Central Zone Buildings	\$ 850,000
30000390	Building Repair & Renewal: Roof Replacement - Hill Crest	\$ 1,500,000
30000391	Building Repair & Renewal: Roof Replacement - MHSC A/B Wing	\$ 1,500,000
30000392	Building Repair & Renewal: Roof Replacement - MHSC I/J Wing	\$ 1,500,000
30000393	Building Repair & Renewal: Roof Replacement - Padelford Hall	\$ 1,500,000
30000394	Building Repair & Renewal: Roof Replacement & Parapet Repair - MHSC/C Wing	\$ 750,000
30000395	Building Repair & Renewal: Multiple Buildings- Roof, Flashing, Coping, Gutters, & Safety Repairs	\$ 500,000
30000396	Building Repair & Renewal: Roof/Gutter Replacements	\$ 1,850,000
30000397	Building Repair & Renewal: Waterproofing Membrane Replacement - MHSC B Courtyard	\$ 1,895,000
30000398	Building Repair & Renewal: Waterproofing Membrane Replacement - MHSC E Courtyard Plaza	\$ 1,950,000
30000399	Building Repair & Renewal: Waterproofing Membrane Replacement - Ocean Teach/Marine Sciences Plaza	\$ 1,500,000
30000400	Building Repair & Renewal: Carpet & VCT Tiles Replacement	\$ 500,000
30000401	Building Repair & Renewal: Interior Improvements & Upgrades	\$ 1,500,000
Building Repair and Renewal		\$ 26,170,000
30000402	Mechanical & Electrical Systems : Building Electrical Distribution Systems	\$ 1,200,000
30000403	Mechanical & Electrical Systems : PCB Transformers Replacement	\$ 750,000
30000404	Mechanical & Electrical Systems : Building Mechanical Systems	\$ 1,250,000
30000405	Mechanical & Electrical Systems : Building Metering, Monitoring & Controls Upgrades	\$ 1,300,000
30000406	Mechanical & Electrical Systems : CFC Refrigeration Replacement Program	\$ 1,500,000
30000407	Mechanical & Electrical Systems : Chilled Water Systems	\$ 1,000,000
30000408	Mechanical & Electrical Systems : Fume Hood & Building HVAC Upgrades	\$ 700,000
30000409	Mechanical & Electrical Systems : UW Tower Replace Chillers & Cooling Towers	\$ 2,000,000
30000410	Mechanical & Electrical Systems : Pneumatic to Direct Digital Control System Upgrades	\$ 1,400,000
30000411	Mechanical & Electrical Systems : Power Plant Cooling Tower Fan Replacement	\$ 1,000,000
30000412	Mechanical & Electrical Systems : Power Plant Infrastructure	\$ 1,300,000
30000413	Mechanical & Electrical Systems : Power Plant Stack Heat Recovery	\$ 1,000,000
30000414	Mechanical & Electrical Systems : Elevator Improvements - Chemistry Building	\$ 400,000
30000415	Mechanical & Electrical Systems : Elevator Improvements - MHSC/F Wing	\$ 1,500,000
30000416	Mechanical & Electrical Systems : Elevator Improvements - Padelford Hall	\$ 1,950,000
Mechanical and Electrical Systems Repair and Renewal		\$ 18,250,000
30000417	Fire and Life Safety Improvements: Fire Protection - Campus Emergency Water System Improvements	\$ 1,250,000
30000418	Fire and Life Safety Improvements: Fire Alarm Upgrades	\$ 200,000
30000419	Fire and Life Safety Improvements: Fire Protection - Libraries	\$ 1,200,000
30000420	Fire and Life Safety Improvements: Fire Protection - South Campus	\$ 790,000
30000421	Fire and Life Safety Improvements: Fire Protection - Atmospheric Science/Geophysics	\$ 650,000
30000422	Fire and Life Safety Improvements: Fire Safety Upgrades - Gould Hall	\$ 900,000
30000423	Fire and Life Safety Improvements: Fire Protection - Meany Hall	\$ 1,800,000

University of Washington
2011-13 Capital Budget Request
Minor Capital Repair - Infrastructure, Health, Safety (Preservation)

30000424	Fire and Life Safety Improvements: Fire Protection - Kane Hall	\$	1,200,000
30000425	Fire and Life Safety Improvements: Indoor Air Quality System Improvements	\$	1,330,000
30000426	Fire and Life Safety Improvements: Guardrail, Handrail and Fall Protection Improvements	\$	700,000
30000427	Fire and Life Safety Improvements: Environmental Health Improvements	\$	280,000
Fire and Life Safety Improvements		\$	10,300,000
30000428	Data & Communications Infrastructure Improvements: UW Fiber Regional Distribution	\$	2,000,000
30000429	Data & Communications Infrastructure Improvements: Campus Network Distribution	\$	800,000
30000430	Data & Communications Infrastructure Improvements: Building Network Distribution - Comm Room Improvements	\$	800,000
30000431	Data & Communications Infrastructure Improvements: Building Network Distribution - Health Sciences	\$	2,000,000
30000432	Data & Communications Infrastructure Improvements: Building Network Distribution - Mechanical Engineering	\$	2,000,000
30000433	Data & Communications Infrastructure Improvements: Building Network Distribution - Gowen Hall	\$	1,000,000
Data and Communications Infrastructure Improvements		\$	8,600,000
30000434	Utilities & Sitework Repair & Replacement: Utility Tunnel System Infrastructure	\$	2,000,000
30000435	Utilities & Sitework Repair & Replacement: Natural Gas System Replacement	\$	1,850,000
30000436	Utilities & Sitework Repair & Replacement: Low Temperature Heat Recover System/Heating Loop	\$	300,000
30000437	Utilities & Sitework Repair & Replacement: Water, Storm & Sanitary Sewer Systems	\$	1,700,000
30000438	Utilities & Sitework Repair & Replacement: Building Utilities, Footing & Storm Drainage	\$	1,300,000
30000439	Utilities & Sitework Repair & Replacement: Building Identification for Emergency Response & Wayfinding	\$	500,000
30000440	Utilities & Sitework Repair & Replacement: Landscape Irrigation & Renovation	\$	400,000
Utilities and Sitework Repair and Replacement		\$	8,050,000
30000341	Roads & Pathways Repair & Renewal: Stevens Way	\$	1,950,000
30000442	Roads & Pathways Repair & Renewal: UW Campus	\$	800,000
30000443	Roads & Pathways Repair & Renewal: Lighting Improvements	\$	1,800,000
Roads and Pathways Repair and Renewal		\$	4,550,000
30000444	Contingency Projects for Emergency Repairs: Building Repairs	\$	800,000
30000445	Contingency Projects for Emergency Repairs: Building Repair - Roofs & Windows	\$	1,750,000
30000446	Contingency Projects for Emergency Repairs: Mechanical System Repairs	\$	1,650,000
30000447	Contingency Projects for Emergency Repairs: Electrical System Repairs	\$	2,000,000
30000448	Contingency Projects for Emergency Repairs: Fire & Life Safety Repairs	\$	500,000
30000449	Contingency Projects for Emergency Repairs: Utilities Repair	\$	500,000
30000450	Contingency Projects for Emergency Repairs: Roads & Pathways Repair	\$	200,000
Contingency Projects for Emergency Repairs		\$	7,400,000
Minor Capital Repair - Infrastructure, Health, Safety (Preservation) Total		\$	83,320,000

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

Description

Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 1

Project Summary

The University of Washington requests \$61.15 million of state funding and \$22.175 million from the UW building account be appropriated for minor works preservation projects. Projects in this category are estimated to cost between \$25,000 and \$2 million and are prioritized as the most urgent of the university's minor works preservation needs. Sub-projects are defined within each of the following broad categories: Building Repair and Renewal, Mechanical and Electrical Systems, Fire and Life Safety Improvements, Data and Communications Infrastructure, Utilities and Site Wwork, Roads and Pathways, and Contingency Projects for Emergency Repairs. All preservation projects aim to preserve and extend the life of existing campus facilities and their supporting infrastructure systems

Project Description

These minor capital repair projects are for the preservation and improvement of facilities, infrastructure and campus. Projects will address the following areas: roofing; plumbing; mechanical, ventilation, exteriors, and electrical systems. Health, Safety, and code compliance projects will include: fire sprinklers; alarm and suppression systems; asbestos removal; seismic improvements; ADA compliance and emergency power. Infrastructure projects include: utilities, road improvements and pedestrian related projects.

Projects will address specific facility needs as well as address campus needs in precinct areas. The UW contingency funding request for unanticipated building and infrastructure repairs is for the immediate protection and preservation of life, health, safety, and capital assets.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

No Growth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropr
057-1	State Bldg Constr-State	281,550,000				61,150,000
064-1	UW Building Account-State	117,550,000				22,170,000
Total		399,100,000	0	0	0	83,320,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	58,600,000	57,800,000	52,500,000	51,500,000
064-1	UW Building Account-State	23,070,000	23,570,000	23,870,000	24,870,000

**360 - University of Washington
Capital Project Request**

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

Funding				
Total				
	81,670,000	81,370,000	76,370,000	76,370,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 30000382
SubProject Title: Building Repair & Renewal: Bdg. Structure & Structural Safety

Project Summary

Building Structure and Structural Safety Repairs. This request is for repairs to a number of existing building structures as required to protect structural integrity and occupant safety.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	275,000				275,000
	Total	275,000	0	0	0	275,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000383
SubProject Title: Building Repair and Renewal: Building Envelope Repairs - MHSC/C,

Project Summary

This request is for repairs to the exterior of Magnuson Health Science Center (C, D, E, F and G wings) built in 1950.

Location

City: Seattle

County: King

Legislative District: 043

OFM

360 - University of Washington Capital Project Request

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000383
SubProject Title: Building Repair and Renewal: Building Envelope Repairs - MHSC/C,

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	1,400,000				1,400,000
	Total	1,400,000	0	0	0	1,400,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000384
SubProject Title: Building Repair and Renewal: Masonry Repair, Tuck Point, & Wtrprf

Project Summary

This request is for repairs, tuck pointing and waterproofing of exterior masonry wall assemblies of Fish Teaching and Research Building, Hill Crest, and More Hall built in 1946.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	1,400,000				1,400,000
	Total	1,400,000	0	0	0	1,400,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000384
SubProject Title: Building Repair and Renewal: Masonry Repair, Tuck Point, & Wtrprf
No Operating Impact

SubProject Number: 30000385
SubProject Title: Building Repair and Renewal: Masonry Repair, Tuck Point, and Wate

Project Summary

This request is for repairs, tuck pointing and waterproofing of exterior masonry wall assemblies of Kincaid Hall built in 1971.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000386
SubProject Title: Building Repair and Renewal: Masonry Repair, Tuck Point, and Wate

Project Summary

This request is for repairs, tuck pointing and waterproofing of exterior masonry wall assemblies of Mechanical Engineering Building built in 1959.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations

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Capital Project Request

2011-13 Biennium

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000386

SubProject Title: Building Repair and Renewal: Masonry Repair, Tuck Point, and Wate

057-1	State Bldg Constr-State					
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

Future Fiscal Periods

		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000387

SubProject Title: Building Repr & Renwl: Masonry & Cast Stone Restoration-Suzzallo

Project Summary

This request is for repairs and waterproofing of exterior masonry and cast stone restoration of Suzzallo Library built in 1926.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000388
SubProject Title: Building Repair: Painting & Exterior-Merrill Hall & Engin'rg Anx

Project Summary

This request is for repairs and painting of exterior finishes of Merrill Hall and Engineering Annex in order to preserve the exterior finishes and protect the building from water penetration.

Location

City: Seattle
City: Seattle

County: King
County: King

Legislative District: 043
Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	800,000	0	0	0	800,000
		Future Fiscal Periods				
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000389
SubProject Title: Building Repair and Renewal: Roof Replacement-Central Zone Bdgs

Project Summary

This request is for roof replacement of multiple buildings located in the UW Campus Central Maintenance Zone required to protect the buildings from water penetration.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	850,000				850,000
	Total	850,000	0	0	0	850,000

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Capital Project Request

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000389
SubProject Title: Building Repair and Renewal: Roof Replacement-Central Zone Bdgs

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000390
SubProject Title: Building Repair and Renewal: Roof Replacement - Hill Crest

Project Summary

This request is for roof replacement of Hill Crest required to protect the building from water penetration.

Location

City: Seattle

County: King

Legislative District:

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000391
SubProject Title: Building Repair and Renewal: Roof Replacement - MHSC A/B Wing

Project Summary

This request is for roof replacement of Magnuson Health Science Center A and B wings required to protect the buildings from water penetration.

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Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000391
SubProject Title: Building Repair and Renewal: Roof Replacement - MHSC A/B Wing
Location

City: Seattle County: King Legislative District: 043
City: Seattle County: King Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000392
SubProject Title: Building Repair and Renewal: Roof Replacement - MHSC I/J Wing

Project Summary

This request is for roof replacement of Magnuson Health Science Center I and J wings required to protect the buildings from water penetration.

Location

City: Seattle County: King Legislative District: 043
City: Seattle County: King Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000392
SubProject Title: Building Repair and Renewal: Roof Replacement - MHSC I/J Wing

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000393
SubProject Title: Building Repair and Renewal: Roof Replacement - Padelford Hall

Project Summary

This request is for roof replacement of Padelford Hall required to protect the building from water penetration.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000394
SubProject Title: Building Repair & Renewal: Roof Replacem & Parapet Rpr-MHSC/C

Project Summary

This request is for roof replacement and parapet repair of Magnuson Health Science Center C wing required to protect the building from water penetration.

Location

City: Seattle

County: King

Legislative District: 043

OFM

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000394
SubProject Title: Building Repair & Renewal: Roof Replacemnt & Parapet Rpr-MHSC/C

<u>Funding</u>		Expenditures			2011-13 Fiscal Period	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	750,000				750,000
	Total	750,000	0	0	0	750,000
Future Fiscal Periods						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000395
SubProject Title: Building Repair and Renewal: Roof, Flashing, Coping, Gutters

Project Summary

This request is for minor roof system repairs, including roofing, flashing, coping, and gutter repair and replacement in order to protect buildings from water penetration and for safety.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		Expenditures			2011-13 Fiscal Period	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000
Future Fiscal Periods						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000396
SubProject Title: Building Repair & Renewal: Multiple Bdg-Roof/Gutter Replacements

Project Summary

This request is for multiple minor roof and gutter replacement projects based on UW Facilities Services roof life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,850,000				1,850,000
	Total	1,850,000	0	0	0	1,850,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000397
SubProject Title: Building Repair & Renewal: Waterproofing Membrane Replacmt -

Project Summary

This request is for waterproofing membrane replacement of Magnuson Health Science Center B wing courtyard to protect program space and structure below from water penetration.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1,895,000				1,895,000
	Total	1,895,000	0	0	0	1,895,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000397
SubProject Title: Building Repair & Renewal: Waterproofing Membrane Replacmt -
057-1 State Bldg Constr-State

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000398
SubProject Title: Building Repair & Renwl: Waterproofing Membrane Replacmt -MHSC E

Project Summary

This request is for waterproofing membrane replacement of Magnuson Health Science Center E wing courtyard plaza to protect program space and structure below from water penetration.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,950,000				1,950,000
	Total	1,950,000	0	0	0	1,950,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000399
SubProject Title: Bdg. Repr. & Renewal: Waterprfg Membrane Replacemt-Ocean Teach'g

Project Summary

This request is for waterproofing membrane replacement of Ocean Teaching and Marine Sciences plaza to protect program space and structure below from water penetration.

Location

City: Seattle

County: King

Legislative District: 043

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000399
SubProject Title: Bdg. Repr. & Renewal: Waterprf'g Membrane Replacemt-Ocean Teach'g

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000400
SubProject Title: Building Repair & Renewal: Carpet & VCT Tiles Replacemt.

Project Summary

This request is for replacement of interior floor finishes such as carpet and VCT tiles in existing buildings where required by emerging issues and conditions. This work may include abatement and remediation of hazardous materials.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000401
SubProject Title: Building Repair and Renewal: Interior Improvements and Upgrades

Project Summary

This request is for minor interior improvements, repairs and finishes of multiple existing buildings where required by emerging issues and conditions. This work also includes renewal of painted surfaces in public spaces.

Location

City: Seattle

County: King

Legislative District:

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000402
SubProject Title: Mechanical & Electrical Sys. Rpr. & Renwl: Bdg. Elec. Distribtrn.

Project Summary

This request is for repairs and renewal to existing building electrical distribution systems in multiple buildings, including improvements to building risers, panels and wiring. This work also includes circuit breaker and electrical switchgear safety retrofits, and emergency standby power distribution.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,200,000				1,200,000
	Total	1,200,000	0	0	0	1,200,000

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000402
SubProject Title: Mechanical & Electrical Sys. Rpr. & Renwl: Bdg. Elec. Distribtrn.

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000403
SubProject Title: Mechanical & Electrical Systems : PCB Transformers Replacement

Project Summary

This request is for replacement throughout the campus of outdated PCB Transformers and PCB units with current models to ensure adequate and safe power transmission.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	750,000				750,000
Total		750,000	0	0	0	750,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000404
SubProject Title: Mechanical & Electrical Systems : Building Mechanical Systems

Project Summary

This request is for the repair, renewal, replacement and modernization of multiple building's mechanical systems which have reached the end of their useful life.

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000404
SubProject Title: Mechanical & Electrical Systems : Building Mechanical Systems

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2011-13 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,250,000				1,250,000
	Total	1,250,000	0	0	0	1,250,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000405
SubProject Title: Mechanical & Elect. Sys.: Bdg. Metering, Monitoring & Control

Project Summary

This request is for the installation and upgrade of building utility metering, monitoring and mechanical system controls in multiple buildings. These projects improve the performance and efficiency of existing buildings.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2011-13 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,300,000				1,300,000
	Total	1,300,000	0	0	0	1,300,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000405
SubProject Title: Mechanical & Elect. Sys.: Bdg. Metering, Monitoring & Control

Operating Impacts

No Operating Impact

SubProject Number: 30000406
SubProject Title: Mechanical & Electr Sys. : CFC Refrigeration Replacemt Project

Project Summary

This request is for the program to replace CFC refrigeration campus-wide in existing cooling systems for environmental responsibility and improved system performance.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000407
SubProject Title: Mechanical & Electrical Systems : Chilled Water Systems

Project Summary

This request is for programs to repair and replace process chilled water systems, cooling tower, and outdated single pass water cooled equipment.

Location

City: Seattle

County: King

Legislative District: 043

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2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000407
SubProject Title: Mechanical & Electrical Systems : Chilled Water Systems

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000408
SubProject Title: Mechanical & Electrical Systems : Fume Hood & Building HVAC Upgra

Project Summary

This request is for low flow fume hood conversions and fume hood/building HVAC balancing to improve performance and efficiency.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	700,000				700,000
	Total	700,000	0	0	0	700,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000409
SubProject Title: Mechan. & Electr. Sys. : UW Tower Replace Chillers & Cool'g Tower

Project Summary

This request is for the replacement of the main chillers and cooling towers at the 22 story UW Tower building; systems which are approaching the end of their useful life.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000
Future Fiscal Periods						
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000410
SubProject Title: Mechanical & Electrical Sys : Pneumatic to DD Control System

Project Summary

This request is for the conversion of the existing pneumatic controls to direct digital control system in Benson Hall and MHSC E Wing, to improve building mechanical system performance.

Location

City: Seattle

County: King

Legislative District: 043

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,400,000				1,400,000
	Total	1,400,000	0	0	0	1,400,000

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2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000410
SubProject Title: Mechanical & Electrical Sys : Pneumatic to DD Control System

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	0	0	0	0
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000411
SubProject Title: Mechani. & Electric. Sys. : Power Plnt Cooling Twr. Fan Replacmt

Project Summary

This request is for the replacement of the central power plant cooling tower fan and related components to ensure system performance and reliability.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
Total		1,000,000	0	0	0	1,000,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	0	0	0	0
Total		0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000412
SubProject Title: Mechanical & Electrical Systems : Power Plant Infrastructure

Project Summary

This request is for multiple repairs and improvements to central power plant infrastructure including heating/cooling system and water piping repairs, exhaust stack inspection, repair and protection.

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000412
SubProject Title: Mechanical & Electrical Systems : Power Plant Infrastructure

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2011-13 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,300,000				1,300,000
	Total	1,300,000	0	0	0	1,300,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000413
SubProject Title: Mechanical & Electrical Systems : Power Plant Stack Heat Recovery

Project Summary

This request is for installation of power plant stack heat recovery system equipment, to recapture waste heat for improved system efficiency and long term energy savings.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2011-13 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000413
SubProject Title: Mechanical & Electrical Systems : Power Plant Stack Heat Recovery

Operating Impacts

No Operating Impact

SubProject Number: 30000414
SubProject Title: Mechanical & Electrical Systems : Elevator Improvements - Chemist

Project Summary

This request is for Chemistry building elevator system repairs, improvements and overhaul as required to maintain safe operation.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	400,000				400,000
	Total	400,000	0	0	0	400,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
		064-1	UW Building Account-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000415
SubProject Title: Mechanical & Electrical Systems : Elevator Improvements - MHSC/F

Project Summary

This request is for Magnuson Health Science Center F wing elevator system repairs, improvements and overhaul as required to maintain safe operation.

Location

City: Seattle

County: King

Legislative District: 043

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000415
SubProject Title: Mechanical & Electrical Systems : Elevator Improvements - MHSC/F

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000416
SubProject Title: Mechanical & Electrical Sys. : Elevator Imprvmts. - Padelford

Project Summary

This request is for Padelford Hall elevator system repairs, improvements and overhaul as required to maintain safe operation.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	1,950,000				1,950,000
	Total	1,950,000	0	0	0	1,950,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000417
SubProject Title: Fire & Life Safety Imprvmnts: Fire Protection-Emergency Water Sys

Project Summary

This request is for the installation of an underground storage tank and pump connected to the water system to support the campus fire protection system.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,250,000				1,250,000
	Total	1,250,000	0	0	0	1,250,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000418
SubProject Title: Fire & Life Safety Improvements: Fire Alarm Upgrades

Project Summary

This request is to replace outdated fire alarm panels in multiple buildings.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	200,000				200,000
	Total	200,000	0	0	0	200,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000418
SubProject Title: Fire & Life Safety Improvements: Fire Alarm Upgrades

	Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000419
SubProject Title: Fire & Life Safety Improvements: Fire Protection - Libraries

Project Summary

This request is to provide fire protection in the Chemistry Library and 1960 wing of Suzzallo Library and other areas where appropriate; to include fire sprinkler installation, and alarm, notification and control system upgrades.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	1,200,000				1,200,000
	Total	1,200,000	0	0	0	1,200,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000420
SubProject Title: Fire & Life Safety Improvements: Fire Protection - South Campus

Project Summary

This request is to provide fire protection in the South Campus Center, Ocean Teaching, Fisheries Center, Oceanography, and CHDD buildings; to include fire sprinkler installation, and alarm, notification and control system upgrades.

Location

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Report Number: CBS002

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000420
SubProject Title: Fire & Life Safety Improvements: Fire Protection - South Campus
City: Seattle County: King Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	790,000				790,000
Total		790,000	0	0	0	790,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
064-1	UW Building Account-State					
Total		0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000421
SubProject Title: Fire & Life Safety Improvmts: Fire Protectn-Atmospheric Science

Project Summary

This request is to provide fire protection in the Atmospheric Science/Geophysics Building; to include fire sprinkler installation, and alarm, notification and control system upgrades.

Location

City: Seattle County: King Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State					
064-1	UW Building Account-State	650,000				650,000
Total		650,000	0	0	0	650,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
064-1	UW Building Account-State					
Total		0	0	0	0	

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000421
SubProject Title: Fire & Life Safety Improvmts: Fire Protectn-Atmospheric Science

Operating Impacts

No Operating Impact

SubProject Number: 30000422
SubProject Title: Fire & Life Safety Improvmts: Fire Safety Upgrades - Gould Hall

Project Summary

This request is to replace aging fire system in Gould Hall with new code compliant system and correct obstructed sprinkler heads where needed.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	900,000				900,000
	Total	900,000	0	0	0	900,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
		057-1	State Bldg Constr-State		
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000423
SubProject Title: Fire and Life Safety Improvements: Fire Protection - Meany Hall

Project Summary

This request is to provide fire protection in Meany Hall; to include fire sprinkler installation, and alarm, notification and control system upgrades.

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,800,000				1,800,000

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000423
SubProject Title: Fire and Life Safety Improvements: Fire Protection - Meany Hall

	Total	1,800,000	0	0	0	1,800,000
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Future Fiscal Periods

		2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000424
SubProject Title: Fire and Life Safety Improvements: Fire Protection - Kane Hall

Project Summary

This request is to provide fire protection in Kane Hall; to include fire sprinkler installation, and alarm, notification and control system upgrades.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropr
057-1	State Bldg Constr-State	1,120,000				1,120,000
064-1	UW Building Account-State	80,000				80,000
	Total	1,200,000	0	0	0	1,200,000

Future Fiscal Periods

		2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State		0	0	0	0
064-1 UW Building Account-State		0	0	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000425
SubProject Title: Fire and Life Safety Improvements: Indoor Air Quality System Impr

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000425
SubProject Title: Fire and Life Safety Improvements: Indoor Air Quality System Impr

Project Summary

This request is to modify, replace and rebalance fume hood and general ventilation systems in multiple science buildings to provide more effective capture and containment to reduce exposure, odor complaints, and to repair and replace dust containment systems for indoor air quality.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,330,000				1,330,000
	Total	1,330,000	0	0	0	1,330,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000426
SubProject Title: Fire and Life Safety Improvements: Guardrail, Handrail and Fall P

Project Summary

This request is for guardrail, handrail, and surface improvements to correct public and worker fall, slip and trip hazards in and around campus buildings, roofs and grounds.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	700,000				700,000
	Total	700,000	0	0	0	700,000

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000426
SubProject Title: Fire and Life Safety Improvements: Guardrail, Handrail and Fall P

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	0	0	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000427
SubProject Title: Fire and Life Safety Improvements: Environmental Health Improve

Project Summary

This request is for various environmental and occupational health improvements in and around campus buildings, including required emergency showers and eye wash stations in lab and shop areas, OSHA required signage and other improvements, and equipment washing improvements for code compliance.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropr
057-1	State Bldg Constr-State	280,000				280,000
	Total	280,000	0	0	0	280,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	0	0	0	0
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000428
SubProject Title: Data & Comm. Infrastructure Imprvmts: UW Fiber Regional Distribtn

Project Summary

This request is for installation of new and supplementary fiber-optic network cabling from UW Campus to UW Bothell, The

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000428
SubProject Title: Data & Comm. Infrastructure Imprvmts: UW Fiber Regional Distribtn
Westin, and UW Tacoma Campus.

Location

City: Seattle

County: King

Legislative District: 043

Funding

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000429
SubProject Title: Data & Communications Infrastructure Improvements: Campus Network

Project Summary

This request is for replacement of data and communications cable infrastructure and pathway clearing and abatement to increase bandwidth capacity.

Location

City: Seattle

County: King

Legislative District: 043

Funding

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	800,000				800,000
	Total	800,000	0	0	0	800,000

Future Fiscal Periods

		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000429
SubProject Title: Data & Communications Infrastructure Improvements: Campus Network

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000430
SubProject Title: Data & Comm. Infrastructure Imprvmts: Building Network Distbtn

Project Summary

This request is for communication room repairs and improvements in multiple buildings to support campus and building network distribution and improve system performance.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropr
057-1	State Bldg Constr-State	800,000				800,000
	Total	800,000	0	0	0	800,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000431
SubProject Title: Data & Comm. Infrastructure Imprvmts: Bldg. Network- Mag. HSC

Project Summary

This request is for data and communications pathway and cabling improvements to workstations within Magnuson Health Science Center.

Location

City: Seattle

County: King

Legislative District: 043

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000431
SubProject Title: Data & Comm. Infrastructure Imprvmts: Bldg. Network- Mag. HSC

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000432
SubProject Title: Data & Comm. Infrastrc. Imprvmts: Bldg. Network Distribtn-ME Bdg

Project Summary

This request is for data and communications pathway and cabling improvements to workstations within Mechanical Engineering Building.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

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Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000433
SubProject Title: Data & Comm. Infrastructure Imprvmts: Building Network-Gowen Hall

Project Summary

This request is for data and communications pathway and cabling improvements to workstations within Gowen Hall.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000

Acct Code	Account Title	Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000434
SubProject Title: Utilities & Sitework Repair & Replacement: Utility Tunnel System

Project Summary

This request is for multiple repairs and improvements to the central utility tunnel infrastructure including tunnel connectivity, heating/cooling system water and steam piping repairs and renewal, safety egress and security improvements, and asbestos mitigation and manhole abatement.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Acct Code	Account Title	Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

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Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000434
SubProject Title: Utilities & Sitework Repair & Replacement: Utility Tunnel System
057-1 State Bldg Constr-State

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000435
SubProject Title: Utilities & Sitework Repair & Replacemt: Natural Gas System

Project Summary

This request is for replacment of the natural gas distribution system to upper campus, including meter, valve and piping improvements.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2011-13 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,850,000				1,850,000
	Total	1,850,000	0	0	0	1,850,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000436
SubProject Title: Utilities & Sitework Repair & Replacement: Low Temperature Heat R

Project Summary

This request is for installation of a low temperature heat recovery system / heating loop for improved system efficiency and long term energy savings.

Location

City: Seattle

County: King

Legislative District: 043

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000436
SubProject Title: Utilities & Sitework Repair & Replacement: Low Temperature Heat R

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State	300,000				300,000
	Total	300,000	0	0	0	300,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000437
SubProject Title: Utilities & Sitework Repair & Replacement: Water, Storm & Sanitar

Project Summary

This request is for repair, replacement, inspection and mapping of campus water, gas, sewer and drain systems; and sanitary sewer and storm drain separation.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	1,700,000				1,700,000
	Total	1,700,000	0	0	0	1,700,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

OFM

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000438
SubProject Title: Utilities & Sitework Repair & Replacement: Building Utilities, Fo

Project Summary

This request is for repair, replacement and renewal of building utilities, site lighting, utilities infrastructure and sitework where required by emerging issues and conditions.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	1,300,000				1,300,000
	Total	1,300,000	0	0	0	1,300,000

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000439
SubProject Title: Utilities & Sitework Repair: Emergency Respnse. bldg ID

Project Summary

This request is for repairing, replacing and upgrading campus and building identification signage to assist emergency responders and wayfinding.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000

Future Fiscal Periods

2013-15	2015-17	2017-19	2019-21

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000439
SubProject Title: Utilities & Sitework Repair: Emergency Respnse. bldg ID
057-1 State Bldg Constr-State

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000440
SubProject Title: Utilities & Sitework Repair: Landscape Irrigation & Renovation

Project Summary

This request is for repair and renovation of existing campus grounds, and installation of irrigation for water conservation and landscape preservation.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	400,000				400,000
	Total	400,000	0	0	0	400,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000441
SubProject Title: Roads & Pathways Repair & Renewal: Stevens Way

Project Summary

This request is for roadway repair and improvements to Stevens Way to provide safe movement of vehicles and public transportation through campus.

Location

City: Seattle

County: King

Legislative District: 043

OFM

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000441
SubProject Title: Roads & Pathways Repair & Renewal: Stevens Way

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State	1,950,000				1,950,000
	Total	1,950,000	0	0	0	1,950,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000442
SubProject Title: Roads & Pathways Repair & Renewal: UW Campus

Project Summary

This request is for road and pathway repairs throughout the UW Campus to provide safe and open circulation for the UW campus students, employees and visitors.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
057-1	State Bldg Constr-State	800,000				800,000
	Total	800,000	0	0	0	800,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1	State Bldg Constr-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

OFM

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000443
SubProject Title: Roads & Pathways Repair & Renewal: Lighting Improvements

Project Summary

This request is for street and pathway lighting improvements throughout the UW Campus for night safety and energy conservation.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000444
SubProject Title: Contingency Projects for Emergency Repairs: Building Repairs

Project Summary

This request is for contingency funding for emergency repairs of building structures, exteriors, and interiors.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	800,000	0	0	0	800,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				

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Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000444
SubProject Title: Contingency Projects for Emergency Repairs: Building Repairs

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000445
SubProject Title: Contingency for Emergency Reprs: Bldg. Repair - Roofs & Windows

Project Summary

This request is for contingency funding for emergency repairs of building roofs and windows.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,750,000				1,750,000
	Total	1,750,000	0	0	0	1,750,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000446
SubProject Title: Contingency Projects for Emergency Repairs: Mechanical System Rep

Project Summary

This request is for contingency funding for emergency repairs of mechanical systems serving UW Campus buildings.

Location

City: Seattle

County: King

Legislative District: 043

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Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000446
SubProject Title: Contingency Projects for Emergency Repairs: Mechanical System Rep

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	1,650,000				1,650,000
	Total	1,650,000	0	0	0	1,650,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000447
SubProject Title: Contingency for Emergency Repairs: Electrical Sys. Repairs

Project Summary

This request is for contingency funding for emergency repairs of electrical systems serving UW Campus buildings.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reapprops</u>	<u>New Approps</u>
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000448
SubProject Title: Contingency for Emergency Repairs: Fire & Life Safety Repairs

Project Summary

This request is for contingency funding for emergency repairs of fire & life safety systems serving UW Campus buildings.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000449
SubProject Title: Contingency Projects for Emergency Repairs: Utilities Repair

Project Summary

This request is for contingency funding for emergency repairs of utilities serving UW Campus buildings.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	500,000	0	0	0	500,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				

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Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000449
SubProject Title: Contingency Projects for Emergency Repairs: Utilities Repair

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000450
SubProject Title: Contingency for Emergency Repairs: Roads & Pathways Repairs

Project Summary

This request is for contingency funding for emergency repairs of roads and pathways serving the UW Campus.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropr	New Appropr
057-1	State Bldg Constr-State	200,000				200,000
	Total	200,000	0	0	0	200,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
057-1 State Bldg Constr-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000468
SubProject Title: Minor Capital Repair- Infrastructure, Health, Safety, Bdg Repairs

Project Summary

Projects in this category are estimated to cost between \$25,000 and \$2 million and are prioritized as the most urgent of the university's minor works preservation needs. Sub-projects are defined within each of the following broad categories: Building Repair and Renewal, Mechanical and Electrical Systems, Fire and Life Safety Improvements, Data and Communications Infrastructure, Utilities and Site Wwork, Roads and Pathways, and Contingency Projects for Emergency Repairs. All preservation projects aim to preserve and extend the life of existing campus facilities and their supporting infrastructure systems.

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:33PM

Project Number: 30000372
Project Title: UW Minor Capital Repairs

SubProjects

SubProject Number: 30000468
SubProject Title: Minor Capital Repair- Infrastructure, Health, Safety, Bdg Repairs

Location

City: Bothell	County: King	Legislative District: 001
City: Seattle	County: King	Legislative District: 043
City: Tacoma	County: Pierce	Legislative District: 027

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	220,400,000				
064-1	UW Building Account-State	95,380,000				
	Total	315,780,000	0	0	0	0

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	58,600,000	57,800,000	52,500,000	51,500,000
064-1	UW Building Account-State	23,070,000	23,570,000	23,870,000	24,870,000
	Total	81,670,000	81,370,000	76,370,000	76,370,000

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000372	30000372
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

Infrastructure Category

Higher Education Project Proposal

University of Washington, High Voltage Infrastructure Improvement Project

2011-13 Biennium

**University of Washington
High Voltage Infrastructure Improvement (Seattle)
Project Proposal
Infrastructure Design-Construction Request**



Institution		Agency Code
University of Washington		360
Project Title	Category of Project	Project Number
High Voltage Infrastructure Improvement Project	INFRASTRUCTURE	30000371
County	City	Legislative District
King	Seattle	043
Was this project included in a prior 10-year capital plan? If yes, when?		Previous Project Number
No		Na
Prepared By:	Phone Number	Analysis Date:
Colleen Pike	206-543-6277	August 1, 2010

Infrastructure Category

Higher Education Project Proposal

2011-13 Biennium

University of Washington, High Voltage Infrastructure Improvement Project**1. Project Schedule:**

	Start Date	Complete Date
Predesign	July 2011	October 2011
Design	November 2011	April 2012
Bid	April 2012	April 2012
Construction/Occupancy	May 2012	June 2013

2. Problem Statement:

The University of Washington Seattle operates a high voltage electrical utility distribution system with 200+ transfer switches, over 22 miles of high and medium voltage cable within 7 miles of a utility tunnel system, and with over 100 sectionalizing switchgear stations. This system is the backbone to the provision of reliable, high quality, and uninterrupted electrical power to university classrooms, research laboratories, the University Medical Center and many other critical University facilities and services.

To sustain safe and reliable electrical energy service to the University, selected key transformers, electrical cables, and switches will be added to the system and/or replaced in one project at the most at-risk areas of the campus. These improvements will provide more reliability to the electrical service serving the University of Washington's public mission and mitigate catastrophic failure of the university's power delivery system. The University has observed an accelerated pace of existing high-voltage cable obsolescence and unreliable performance including three near-major-catastrophic failures in the past five years at key areas of the campus; and the concurrent need for much more reliable, up-to-date, safe, and code compliant high voltage cable, transformers, and switchgear to mitigate such potential events in future. The project will also assist to ensure that new or newly renovated buildings can be reliably served by the campus electrical system.

3. History of the project:UW Electrical Power - Need for Safety and Reliability

Throughout the years the UW has demonstrated acumen in evaluating power consumption growth for the campus and has made timely upgrades and improvements to conserve first and manage demand efficiently when growth of capacity was the only identifiable option. The historical growth of electrical capacity in response to increasing demand is illustrated in the appendix.

The main cause for power consumption growth in the past was the addition of new facilities and/or major renovations to existing facilities. Remodels and renovations create spaces that are better utilized and typically add new technology equipment and systems and therefore the spaces historically have a higher load density. With the aggressive implementation of high performance building systems and measures we continue to seek energy conserving strategies.

Facility type is a fundamental factor in power consumption levels. Health and life sciences research and teaching facilities generally have higher power requirements compared to classroom and offices. In the past 15 years, the advent of computer technology has also caused an increase in power consumption and this is expected to rise as these technology requirements intensify.

To reduce power consumption the University has been very proactive in energy conservation. In the last 20 years there have been numerous energy conservation programs that have significantly reduced power consumption in each facility. These measures include lighting retrofits, use of

Infrastructure Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, High Voltage Infrastructure Improvement Project

efficient motors and fans, efficient control and operation of HVAC systems, chilled beam technologies, among others.

High Voltage System Background Summary

Beginning in the early 1900s the University generated its own electric power using steam engine generators. When utility power became available in the campus area in northeast Seattle from sources outside of the University campus in the late 1920s, steam generator power remained, providing “cogeneration” to the campus in concert with the serving utility. A steam turbine is still being operated in the UW Seattle Power Plant and provides standby power for the Power Plant when electrical power is disrupted or unreliable.

Puget Sound Power and Light (PSPL) began to provide power to the UW Seattle campus beginning in 1927. PSPL delivered power at 13 kV, which was transformed and distributed at 2.4 kV to campus buildings. In the late 1940s and early 1950s three substations were constructed to form a 2.4kV loop that served the majority of the buildings on campus. Substation A located near the Power Plant, Substation B, located near the eventual site of the UW Medical Center, and Substation C, near Denny Hall. Seattle City Light (SCL) purchased PSPL’s system in 1951. In 1956 SCL changed the service from 13 kV to 26 kV. In the late 1950s the East Receiving station (ERS) was constructed to support this change. In the early 1970s the West Receiving Station (WRS) was constructed and the Substation B from the late 1940s was removed. The construction of WRS initiated the conversion of the campus primary distribution system to 13.8kV. Since that time the University has gradually removed the old 2.4kV distribution loop. In the late 1990s the ERS was replaced and Substation A was removed. In 1998, the WRS switchgear and auxiliary equipment was replaced, the station was expanded and the capacity was increased. In 2004, Substation C was removed from the distribution system. The University receives utility power from SCL at two main receiving stations, WRS and ERS. From these geographic locations the entire high voltage distribution system is owned, operated, and maintained by the University of Washington.

Currently the main distribution voltage on campus for normal power is the 13.8 kV, 3-phase, 3-wire, low resistance grounded-wye system. All new services are being connected to this system. The University recently decommissioned the remaining 2.4 kV, 3-phase, 3-wire, ungrounded delta, primary power system which is a remnant of the old 2400 volt three-substation loop. The few remaining minor loads on the system were removed during the 2005-2007 biennium along with the system’s decommissioning and demolition. Eventually all normal power distribution on campus will be served by the 13.8 kV system.

The primary distribution system throughout campus employs a redundant feeder configuration. Buildings are served by two or three feeders. The University has designated several service classifications to suit the power reliability requirements of different types of facilities.

To sustain safe and reliable electrical energy service to the University, selected key transformers, electrical cable, and switches will be added to the system in one discrete project as improvements which will provide more reliability and mitigate potential catastrophic failure at key areas of the University’s power delivery system. The project will also assist to ensure that new or renovated buildings can be reliably served by the campus electrical system.

Infrastructure Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, High Voltage Infrastructure Improvement Project**4. University programs addressed or encompassed by this program:**

The University of Washington is responsible for the operation its own high-voltage electrical distribution infrastructure including high-voltage transformers, switches, and armored-high-voltage electrical distribution cable, very effectively through the existing campus utility tunnel system. Electricity is purchased from Seattle City Light at 13,800 volts and is received at key receiving stations on or near the campus. The UW then distributes the electricity to on-campus UW facilities and transforms the high voltage to a voltage level for individual facility usage.

Every teaching, library, and research facility at UW Seattle is currently served by the UW electrical power distribution system and by these components planned for improvement and/or replacement with this proposed project. Without reliable and safe electrical service, the buildings and programs within the buildings would not operate and could significantly impact human safety, financial efficiency of use of public resources, and to the public missions of UW.

5. Supports Institutional Plans:

a) *Describe the proposed project's relationship and relative importance to the institution's*

Campus Master Plan(s) Alignment

The University of Washington owns, operates and maintains utilities for the production and distribution of steam, chilled water, electric power, compressed air, natural gas, and domestic water on its 643-acre Seattle Campus. In addition, the University owns and maintains an extensive system of roads, pathways, storm drains and sanitary sewers.

The University of Washington Seattle Campus Utilities Master Plan (Utilities Master Plan 2006) is intended to ensure that the campus utility infrastructure is planned, constructed, operated and maintained in a manner that supports the mission of the University. The Utilities Master Plan is a resource for planning new facilities and major building renovations as well as for upgrades and renewal of the utility systems. Cost-effective and efficient strategies for supplementing or replacing aging equipment and infrastructure, and needed improvements have been identified.

A system capacity model was developed to project the impact of future growth on the utility infrastructure. This model was then used for analysis of each major utility system to determine its ability to meet future demand. This document is based on the information and growth projections presented in the University of Washington Master Plan - Seattle Campus- January 2003.

The University of Washington Master Plan January 2003 builds on and replaces the 1992 General Physical Development Plan and guides the future growth and development of the campus. It identifies more than eight million square feet of potential development, three million square feet of which is identified as near term development. The Master Plan will remain in effect until the three million gross square feet are constructed, or a new Master Plan is adopted by the Board of Regents. The Master Plan does not address, in detail, the impacts of growth on the Seattle campus utility infrastructure. The Utilities Master Plan 2006 was developed to provide this supplemental information and to guide planning for utilities upgrades and renewal. A copy of the Utilities Master Plan 2006 can be downloaded from:

http://www.washington.edu/facilities/engr/ump/ump_public/Denny_Public.pdf

The 2001 Seattle Campus Master Plan was approved by the Seattle City Council in December 2002 and by the Board of Regents in January 2003. The proposed project is consistent with the Master Plan. A copy of the current Master Plan can be downloaded from:

http://www.washington.edu/community/cmp_site/final_cmp

Infrastructure Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, High Voltage Infrastructure Improvement Project

The High Voltage Infrastructure Improvement project promotes the following specific goals in the University's Seattle Campus Master Plan:

Ensure Stewardship: The Campus Master Plan should ensure good stewardship of the existing campus, maintaining and protecting the value of the University's physical resources and character, history, architecture, and open space.

Provide Facilities: The Campus Master Plan should provide for the facility and infrastructure needs of the next decade.

Maximize Flexibility: The Campus Master Plan should provide the maximum amount of flexibility in order to best accommodate future growth and take advantage of unforeseen opportunities.

Promote Safety: The Campus Master Plan should help create a safe and healthy environment, with personal and workplace safety integral to planning and design...(etc.).

Encourage Efficiency: The Campus Master Plan should encourage efficiency and economy in University operations...(etc.).

The High Voltage Infrastructure Improvement project is consistent with the following utility system summary for Electrical Power in The University of Washington Seattle Campus Utilities Master Plan (Utilities Master Plan 2006):

"The University purchases electrical power from Seattle City Light at distribution voltage. The power is then transformed to a lower voltage and distributed to the campus buildings through the University-owned distribution system. This system is reliable and has supported the University's medical, research, and teaching programs with few problems. The distribution configuration allows flexibility in maintenance and repair with minimal impact to the building users. The power receiving stations have been recently modernized and have the capacity to serve both the near term and long term growth scenarios for the campus. The University has also invested in electric metering in the past decade. Almost all facilities currently have electric meters. However, additional metering will be required to meet LEED and energy management goals.

To maintain reliability and flexibility, improvements to the system need to continue. Significant portions of the primary feeder distribution system and distribution equipment are aging and need to be replaced. Upgrades to equipment and components are also required to keep current with emerging technologies and regulations. Some equipment must be replaced to reduce potential adverse environmental impact. Continued improvements and additions to the feeder distribution system and equipment are also required to accommodate future needs and improve flexibility, reliability, and safety."

- b) *Identify whether the proposed project is the institution's first, second, or third priority for state funding among all of Infrastructure, Land Acquisition, or Predesign Requests the institution is proposing for the 2011-13 biennium.*

- First priority**
- Second priority
- Third priority

Infrastructure Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, High Voltage Infrastructure Improvement Project**6. Significant Health, Safety, and Code Issues:**

- a) *Identify whether the project is needed to bring the facility within current seismic, life safety, ADA, energy, utilities, or transportation code requirements.*

The project will create a more compliant environment for worker and facility-user safety through removal of lead-armored high voltage distribution cable, through improvements/replacements of electrical transformers – many of which were former PCB-containing transformers which are now compliant with EPA regulations but still hold traces of PCB materials that could potentially contaminate facilities in the event of catastrophic transformer combustion; and through providing enhanced power reliability to facility-users dependent upon maintaining code-compliant thermal and ventilation environments in the medical center, research laboratories, and all UW facilities.

The improvements will also support and enhance compliance with current National Electrical Code (NEC) and anticipated future changes to the NEC.

Much of the high voltage cable installed in the late 1960s and early 70s utilized cross-linked polyethylene (XLP) insulation. The type of cable is prone to deterioration and failure of its insulating properties over time (30+ years). This deterioration can lead to catastrophic failure of the cable and widespread power failure on campus.

Finally, the oldest type of cable still in use in selected areas of the campus is called Paper Insulated Lead Covered (PILC). This type of cable is one of the earliest types of cable used in medium voltage distribution. The construction is simple and performance is reliable, but splicing and terminating are difficult. The sheathing also contains lead which is an environmental hazard and worker-exposure hazard. This cable type will eventually be eliminated. This project will be removing portions of the cable remaining at the UW.

- b) *Clearly identify the applicable standard or code, and describe how the project will improve consistency with it.*

The electrical worker safety requirements Chapter 296-24 WAC General Safety and Health Standards requires that electricians working on high-voltage systems be able to install grounding equipment only when isolated from energized areas within electrical switchgear cabinets by a physical barrier. The project will allow these physical barriers to be included in electrical switchgear creating a much safer work environment and will facilitate compliance with the safety rules.

7. Evidence of Failure/Ability to Defer Project:

- a) *Identify prior facility failures, increased utility and/or maintenance costs, and/or system unreliability.*

The replacement of electrical transformers which are substantially beyond their useful lives and hence subject to catastrophic failure or worse is critical to performance of the UW electrical system.

UW Facilities Operations have experienced more than three near catastrophic failures of the high voltage distribution system in the past five years. These particular events occurred on extreme cold and extreme heat weather days putting University operations in classrooms, teaching and research laboratories, libraries, and other mission-critical facilities at risk.

Infrastructure Category

Higher Education Project Proposal

2011-13 Biennium

University of Washington, High Voltage Infrastructure Improvement Project**8. Impact on Institutional Operations without the Infrastructure Project:**

- a) *Describe how and the extent to which there would be an impact on existing operations and programs. Describe the potential impact on future, already funded or planned construction projects should this infrastructure project not occur.*

Beginning in the mid-1990s the University of Washington has consistently invested the allowed \$1M - \$2M in minor capital repairs in each biennium for repairs and emergency projects of this particular electrical system to ensure an effective and efficient operating system. In projecting needs of the system following a recent senior-level staff Facilities Operations assessment, and in the context of the new OFM State Capital Request guidelines for the 2011-2013, the UW believes public investment at the scale of at least one <\$5M capital infrastructure project is now required or the key supporting utility service (electrical power) decline will accelerate, resulting in an even larger and much less cost-effective investment at a later date. We are planning ahead as evidenced by our long term investment approach to this system and a careful examination of our system – including a detailed cable capacity analysis – within our Master Utilities Infrastructure Plan document.

To sustain safe and reliable electrical energy service to the University, selected key transformers, electrical cable, and switches will be added to the system in one discrete project as improvements which will provide more reliability and mitigate catastrophic failure of the university's power delivery system. The University has observed an accelerated pace of existing high-voltage cable obsolescence and unreliable performance including three near major catastrophic failures in the past five years at key areas of the campus; and the concurrent need for much more reliable, up-to-date, safe, and code compliant high voltage cable, transformers, and switchgear to mitigate such potential events in future. The project will also assist to ensure that new or renovated buildings in the central campus can be reliably served by the campus electrical system.

9. Reasonable Estimate:

- a) *Provide as much detailed cost estimate information as possible, including documentation of professional assessment of costs.*

The cost estimate developed in collaboration with the UW Executive Director of Engineering Operations, the Director of Minor Works Projects in the UW Capital Projects Office (with input from their maintenance and/or operations field staffs), and the Assistant Vice Provost for Capital Resources in the University's Office of Planning & Budgeting is based upon the cost database begun in the mid 1990s resulting from minor capital improvements and known labor and equipment costs for cable type per linear foot, transformer and switchgear numbers and capacities, and resulting labor and testing costs. Escalation has also been incorporated within the estimate to normalize past data with the current projected cost schedule.

10. Engineering Study:

- a) *Identify whether there is a completed comprehensive engineering study, site survey and recommendations, or opinion letter.*

The recommendations have come directly from University personnel, particularly the Executive Director of Engineering Operations at the University of Washington, accountable for, most knowledgeable of, and successfully managing this system since the late 1980s. In addition, the Facilities Services Engineering department performed an in-house analysis of the system as part of the Utilities Master Planning process with licensed professional engineers. The recommendations for this project have not been peer-reviewed by consulting high voltage electrical engineering professionals, but similar components of the proposed project have been developed and implementation administered by independent consulting professionals on numerous occasions since at least 1995.

Infrastructure Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, High Voltage Infrastructure Improvement Project**11. Resource Efficiency and Sustainability:**

- a) *Document project benefits associated with low impact development, improvements in energy and resource conservation, and use of alternative energy sources.*

The proposed high-voltage transformer changes will result in improvement in high-voltage energy transformation efficiency and this will result in a decrease in electrical consumption over current levels conserving energy.

The foresight of past and present state and University leaders and the public investments made to continuously maintain and improve the UW high-voltage and electric utility systems have proven very beneficial in the past decades. The decision to own and operate this system has significant economic and operational advantages to the public. Purchasing power at primary rates is significantly less compared to the commercial rate. The employment of multiple feeders serving each facility provides flexibility and efficiency in the operation and maintenance of the system. The system is now much more reliable than in the past, which is essential to support our medical, teaching and research facilities, but our high voltage system requires immediate and continuing improvements.

Throughout the years, changes have been made to this primary distribution system to increase operator safety, improve reliability, and reduce negative environmental impacts. Electrical consumption is a major operational cost and investment, including this project will improve energy conservation. It is critically important to continue to invest in the improvement of this primary utility which is key to our other electrical conservation efforts.

12. Greenhouse Gas Emissions Reduction:

- a) *Provide documentation of institution's adopted policies to reduce greenhouse gas emissions in accordance with RCW 70.235.070 and to reduce annual per capita vehicle miles per RCW 47.01.440 or RCW 43.160.020 as applicable.*

- The University has committed to reducing emissions by at least 15% below 2000 levels by 2020 as described in the UW Climate Action Plan. This reduction target meets its obligations under the American College and University Presidents Climate Commitment and the Washington State goals in RCW [70.235.020](#) . A copy of the UW Climate Action Plan can be downloaded at <http://f2.washington.edu/oess/uw-climate-action-plan>. The UW Climate Action Plan's executive summary and section on GHG reduction targets is included in the appendix.
- The UW's trip reduction policies involve a significant commitment of resources (~\$7.5M in FY2011) and are outlined in the Transportation Management Plan (http://www.washington.edu/community/cmp_site/cmpfinal/07_TMP_FP.pdf) and are operationalized through the U-PASS program (<http://www.washington.edu/admin/rules/APS/53.04.html>). Program results have been dramatic, reducing total daily trip generation by approximately 7,500 trips while campus population has grown by 18,000 people. An overview of program results is available at http://www.washington.edu/facilities/transportation/commuterservices/files/reports/U-PASS_Profile2010.pdf.
- In an effort to reduce vehicle miles traveled (VMT) from business travel, the University has reduced the size of its automotive fleet by approximately 20% and emphasized carsharing for business travel over assigned department vehicles.

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360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000371

Project Title: UW High Voltage Infrastructure Improvement Project

Description

Project Phase Title: High Voltage Infrastructure Improvements
Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 3

Project Summary

The University of Washington requests \$4.85 million for design and construction in the 2011-13 biennium for significant improvements and upgrades to the University's owned and operated high voltage electrical utility distribution system. The UW high voltage electrical distribution system has 200+ transfer switches, over 22 miles of high and medium voltage cable within 7 miles of a utility tunnel system, and over 100 sectionalizing switchgear stations. This system is the backbone to the provision of reliable, high quality, and uninterrupted electrical power to university classrooms, research laboratories, the university medical center and many other critical university facilities and services.

Project Description

Currently the main distribution voltage on campus for normal power is the 13.8 kV, 3-phase, 3-wire, low resistance grounded-wire system. All new services are being connected to this system. The University decommissioned the remaining 2.4 kV, 3-phase, 3-wire, ungrounded delta, primary power system which is a remnant of the old 2400 volt three-substation loop. The few remaining minor loads on the system were removed during the 2005-2007 biennium as the system was decommissioned and removed. Eventually all normal power distribution on campus will be served by the 13.8 kV system. To sustain safe and reliable electrical energy service to the University, selected key transformers, electrical cable, and switches will be added to the system in one discrete project as improvements which will provide more reliability and will mitigate potential catastrophic failure at key areas of the University's power delivery system. The project will also assist to ensure that new or renovated buildings can be reliably served by the campus electrical system. Without improvements to the aging high voltage distribution system, UW operations may be vulnerable to unreliable electrical service including the potential of recurrent catastrophic failures.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

No Growth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	4,850,000				4,850,000
	Total	4,850,000	0	0	0	4,850,000
Future Fiscal Periods						
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

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360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000371

Project Title: UW High Voltage Infrastructure Improvement Project

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2011	10/01/2011
Design	11/1/2011	4/1/2012
Construction	5/1/2012	6/1/2013

Total

Gross Square Feet:	0
Usable Square Feet:	0
Efficiency:	
Escalated MACC Cost per Sq. Ft.:	0
Construction Type:	Other Schedule B Projects
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	103,770	2.1%
Construction Documents	225,604	4.7%
Extra Services	116,939	2.4%
Other Services	103,882	2.1%
Design Services Contingency	56,196	1.2%
Consultant Services Total	606,391	12.5%
Maximum Allowable Construction Cost(MACC)	2,992,000	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	2,992,000	61.7%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	0	0.0%
Construction Contingencies	448,800	9.3%
Non Taxable Items	0	0.0%
Sales Tax	326,876	6.7%
Construction Contracts Total	3,767,676	77.7%
Equipment		
Equipment	0	0.0%
Non Taxable Items	0	0.0%
Sales Tax	0	0.0%
Equipment Total	0	0.0%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000371

Project Title: UW High Voltage Infrastructure Improvement Project

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	0	0.0%
Other Costs Total	152,989	3.2%
Project Management Total	322,944	6.7%
Grand Total Escalated Costs	<u>4,850,000</u>	
Rounded Grand Total Escalated Costs	4,850,000	

Operating Impacts

No Operating Impact

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Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000371	30000371
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 76
 Cost Estimate Title: High Voltage Infrastructure Improvement Aug 2010
 Version: 02 FINAL
 Project Number: 30000371
 Project Title: UW High Voltage Infrastructure Improvement Project
 Project Phase Title: High Voltage Infrastructure Improvements

Report Number: CBS003
 Date Run: 8/27/2010 1:27PM

Agency Preferred: Yes

Contact Info Contact Name: Brad Spencer Contact Number: 206.221.2581

Statistics

Gross Sq. Ft.: 0
 Usable Sq. Ft.: 0
 Space Efficiency:
 MACC Cost per Sq. Ft.: 0
 Escalated MACC Cost per Sq. Ft.: 0
 Remodel? Yes
 Construction Type: Other Schedule B Projects
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2011	10-2011
Design:	11-2011	04-2012
Construction:	05-2012	06-2013
Duration of Construction (Months):	13	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	103,770	
Construction Documents	225,604	
Extra Services	116,939	
Other Services	103,882	
Design Services Contingency	56,196	

0

Consultant Services Total

Site work	0	
Related Project Costs	0	
Facility Construction	2,992,000	
Construction Contingencies	448,800	
Non Taxable Items	0	
Sales Tax	326,876	

606,391

Construction Contracts Total

3,767,676

Maximum Allowable Construction Cost(MACC) 2,992,000

Equipment	0	
Non Taxable Items	0	
Sales Tax	0	

Equipment Total

0

Art Work Total

0

Other Costs Total

152,989

Project Management Total

322,944

Grand Total Escalated Costs

4,850,000

Rounded Grand Total Escalated Costs

4,850,000

Additional Details

Alternative Public Works Project: No

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 76
Cost Estimate Title: High Voltage Infrastructure Improvement Aug 2010
Version: 02 FINAL
Project Number: 30000371
Project Title: UW High Voltage Infrastructure Improvement Project
Project Phase Title: High Voltage Infrastructure Improvements

Report Number: CBS003
Date Run: 8/27/2010 1:27PM

Agency Preferred: Yes

Contact Info **Contact Name:** Brad Spencer **Contact Number:** 206.221.2581

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

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Cost Estimate Number: 76 **Analysis Date:** July 23, 2010
Cost Estimate Title: High Voltage Infrastructure Improvement Aug 2010
Detail Title: High Voltage Aug 2010
Project Number: 30000371
Project Title: UW High Voltage Infrastructure Improvement Project
Project Phase Title: High Voltage Infrastructure Improvements
Location: Seattle King County
Contact Info **Contact Name:** Brad Spencer **Contact Number:** 206.221.2581

Statistics

Gross Sq. Ft.:
 Usable Sq. Ft.:
 Rentable Sq. Ft.:
 Space Efficiency:
 Escalated MACC Cost per Sq. Ft.:
 Escalated Cost per S. F. Explanation

Construction Type: Other Schedule B Projects
Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 0.00%
Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
Projected Life of Asset (Years): 40
Location Used for Tax Rate: Seattle King County
Tax Rate: 9.50%
Art Requirement Applies: No
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: No

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2011	10-2011
Design:	11-2011	04-2012
Construction:	05-2012	06-2013
Duration of Construction (Months):	13	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2010	

Project Cost Summary

MACC:	\$ 2,796,000
MACC (Escalated):	\$ 2,992,000
Current Project Total:	\$ 4,566,749
Rounded Current Project Total:	\$ 4,567,000
Escalated Project Total:	\$ 4,850,000
Rounded Escalated Project Total:	\$ 4,850,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Pre-design Study	100,000			
SubTotal: Pre-Schematic Design Services		100,000	1.0377	103,770
<u>Construction Documents</u>				
A/E Basic Design Services	216,075			
SubTotal: Construction Documents		216,075	1.0441	225,604
<u>Extra Services</u>				
Constructability Review Participation	2,000			
Hazardous Materials Consultant	105,000			
Document Reproduction	5,000			
SubTotal: Extra Services		112,000	1.0441	116,939
<u>Other Services</u>				
Bid/Construction/Closeout	97,077			
SubTotal: Other Services		97,077	1.0701	103,882
<u>Design Services Contingency</u>				
Design Services Contingency	52,515			
SubTotal: Design Services Contingency		52,515	1.0701	56,196
Total: Consultant Services		577,667	1.0497	606,391
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	2,796,000			
SubTotal: Facility Construction		2,796,000	1.0701	2,992,000
Maximum Allowable Construction Cost (MACC)		2,796,000	1.0700	2,992,000
<u>Construction Contingencies</u>				
Management Reserve	139,800			
Allowance for Change Orders	279,600			
SubTotal: Construction Contingencies		419,400	1.0701	448,800
Sales Tax		305,463	1.0701	326,876
Total: Construction Contracts		3,520,863	1.0701	3,767,676
OTHER COSTS				
Hazardous Material Remediation/Removal	76,000			
Advertising	700			
In Plant Services	55,000			
Builders Risk	4,500			
Other Cost	9,075			
Total: Other Costs		145,275	1.0531	152,989
PROJECT MANAGEMENT				
Agency Project Management	322,944			
Total: Project Management		322,944	1.0000	322,944

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Cost Estimate Summary and Detail

2011-13 Biennium

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Cost Estimate Number: 76
Cost Estimate Title: High Voltage Infrastructure Improvement Aug 2010

Report Number: CBS003
Date Run: 8/27/2010 1:27PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000371	30000371
Cost Estimate Number	76	76
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:06PM

Project Number: 20081002
Project Title: Denny Hall Renovation

Description

Starting Fiscal Year: 2008
Project Class: Preservation
Agency Priority: 4

Project Summary

The University of Washington requests \$54.615 million in the 2011-13 biennium for Construction Phase funding which will include completion of the project construction documents. State funding was provided in the 2007-09 biennium for the Pre Design Study Phase and the Design Phase. Completed in 1895, Denny Hall is the oldest building - and was originally the only building - on the current University of Washington Seattle campus. The building has been placed on the Washington State Heritage Register. Today Denny Hall provides a critical role at the University by providing significant instructional space - 22 general assignment classrooms with a capacity of 765 seats. Denny Hall also is home to the Departments of Anthropology, Classics, Germanics, and Near Eastern Languages & Civilization. In addition, the University's Language Learning Center, which serves more than 15,000 students annually, is located within the building. This Denny Hall Renovation is one of fifteen major building renovations identified in the University of Washington's "Restore the Core" program identified in the June 2004 UW Building Restoration & Renewal Prioritization Study.

Project Description

Denny Hall is the oldest building on UW's 15-building Critical Building List - each an integral part of the historic UW Seattle campus. This project will upgrade building systems including: structural, life safety, and information technology infrastructure; the building's out-dated electrical distribution, plumbing, and mechanical systems. These systems require total replacement and/or major improvement. The Denny Hall Renovation project will include renovation of building systems, refurbishment of the building's exterior and interior features and a comprehensive seismic strengthening improvement which are intended to extend the useful life of the building another 100+ years.

Proviso

See attachment for Growth Management Act

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

See Attachment for GMA

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	56,917,390	2,302,390			54,615,000
	Total	56,917,390	2,302,390	0	0	54,615,000
Future Fiscal Periods						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Schedule and Statistics

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360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:06PM

Project Number: 20081002

Project Title: Denny Hall Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	02/01/2007	12/01/2007
Design	4/1/2008	11/1/2009
Construction	12/1/2009	7/1/2011

	<u>Total</u>
Gross Square Feet:	87,549
Usable Square Feet:	46,672
Efficiency:	53.3%
Escalated MACC Cost per Sq. Ft.:	364
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	275,000	0.5%
Construction Documents	1,785,043	3.1%
Extra Services	1,640,679	2.9%
Other Services	1,322,614	2.3%
Design Services Contingency	729,019	1.3%
Consultant Services Total	5,752,355	10.1%
Maximum Allowable Construction Cost(MACC)	31,892,381	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	31,892,381	56.0%
GCCM Risk Contingency	788,623	1.4%
GCCM or Design Build Costs	3,978,046	7.0%
Construction Contingencies	4,783,858	8.4%
Non Taxable Items	0	0.0%
Sales Tax	3,729,861	6.6%
Construction Contracts Total	45,172,769	79.4%
Equipment		
Equipment	1,990,230	3.5%
Non Taxable Items	0	0.0%
Sales Tax	179,121	0.3%
Equipment Total	2,169,351	3.8%

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:06PM

Project Number: 20081002

Project Title: Denny Hall Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	159,462	0.3%
Other Costs Total	704,631	1.2%
Project Management Total	2,956,432	5.2%
Grand Total Escalated Costs	<u>56,915,000</u>	
Rounded Grand Total Escalated Costs	56,915,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20081002	20081002
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 23
 Cost Estimate Title: Denny Hall Renovation Design

Report Number: CBS003
 Date Run: 8/27/2010 10:28AM

Version: 01 draft
 Project Number: 20081002
 Project Title: Denny Hall Renovation
 Project Phase Title:

Agency Preferred: Yes

Contact Info Contact Name: Randy Everett Contact Number: 206.543.8776

Statistics

Gross Sq. Ft.:	87,549
Usable Sq. Ft.:	46,672
Space Efficiency:	53%
MACC Cost per Sq. Ft.:	339
Escalated MACC Cost per Sq. Ft.:	364
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	02-2007	12-2007
Design:	04-2008	11-2009
Construction:	12-2009	07-2011
Duration of Construction (Months):	19	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	275,000
Construction Documents	1,785,043
Extra Services	1,640,679
Other Services	1,322,614
Design Services Contingency	729,019

0

Consultant Services Total

Site work	0
Related Project Costs	0
Facility Construction	31,892,381
Construction Contingencies	4,783,858
Non Taxable Items	0
Sales Tax	3,729,861

5,752,355

Construction Contracts Total

45,172,769

Maximum Allowable Construction Cost(MACC) 31,892,381

Equipment	1,990,230
Non Taxable Items	0
Sales Tax	179,121

Equipment Total

2,169,351

Art Work Total

159,462

Other Costs Total

704,631

Project Management Total

2,956,432

Grand Total Escalated Costs

56,915,000

Rounded Grand Total Escalated Costs

56,915,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 23

Report Number: CBS003

Cost Estimate Title: Denny Hall Renovation Design

Date Run: 8/27/2010 10:28AM

Version: 01 draft

Agency Preferred: Yes

Project Number: 20081002

Project Title: Denny Hall Renovation

Project Phase Title:

Contact Info

Contact Name: Randy Everett

Contact Number: 206.543.8776

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2008
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 23 **Analysis Date:** October 13, 2008
Cost Estimate Title: Denny Hall Renovation Design
Detail Title: Denny Hall Renovation
Project Number: 20081002
Project Title: Denny Hall Renovation
Project Phase Title:
Location: Seattle
Contact Info **Contact Name:** Randy Everett **Contact Number:** 206.543.8776

Statistics

Gross Sq. Ft.: 87,549
 Usable Sq. Ft.: 46,672
 Rentable Sq. Ft.:
 Space Efficiency: 53%
 Escalated MACC Cost per Sq. Ft.: 364
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years):
 Location Used for Tax Rate: Seattle
 Tax Rate: 9.00%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	02-2007	12-2007
Design:	04-2008	11-2009
Construction:	12-2009	07-2011
Duration of Construction (Months):	19	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2008	

Project Cost Summary

MACC:	\$ 29,645,270
MACC (Escalated):	\$ 31,892,381
Current Project Total:	\$ 53,349,508
Rounded Current Project Total:	\$ 53,350,000
Escalated Project Total:	\$ 56,915,000
Rounded Escalated Project Total:	\$ 56,915,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	275,000			
SubTotal: Pre-Schematic Design Services		275,000	1.0000	275,000
<u>Construction Documents</u>				
A/E Basic Design Services	1,757,105			
SubTotal: Construction Documents		1,757,105	1.0159	1,785,043
<u>Extra Services</u>				
Civil Design (Above Basic Services)	50,000			
Geotechnical Investigation	30,000			
Commissioning (Systems Check)	140,000			
Site Survey	30,000			
Testing	220,000			
Leadership Energy & Environment Design List(LEED)	140,000			
Voice/Data Consultant	50,000			
Value Engineering Participation & Implementation	15,000			
Constructability Review Participation	15,000			
Environmental Mitigation Services (EIS)	40,000			
Landscape Consultant	75,000			
Acoustical Consultant	25,000			
Bid Alternates	20,000			
Electronic/Audio Visual Consultant	40,000			
Elevator Consultant	15,000			
Graphics	25,000			
Haz Mat Consultant	210,000			
Interior Design	160,000			
Specialty Consultant	150,000			
Quality Control Consultant	50,000			
Renderings, Presentations	5,000			
Document Reproduction	110,000			
SubTotal: Extra Services		1,615,000	1.0159	1,640,679
<u>Other Services</u>				
Bid/Construction/Closeout	789,424			
HVAC Balancing	50,000			
Staffing	325,000			
As Builts	40,000			
DRB Small Contracts	25,000			
SubTotal: Other Services		1,229,424	1.0758	1,322,614
<u>Design Services Contingency</u>				
Design Services Contingency	487,653			
Change Order Design Allowance	190,000			
SubTotal: Design Services Contingency		677,653	1.0758	729,019
Total: Consultant Services		5,554,182	1.0357	5,752,355
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	26,857,000			
Additional Escalation	2,788,270			
SubTotal: Facility Construction		29,645,270	1.0758	31,892,381
Maximum Allowable Construction Cost (MACC)		29,645,270	1.0800	31,892,381
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	733,057			
SubTotal: GCCM Risk Contingency		733,057	1.0758	788,623
<u>GCCM or Design Build Costs</u>				

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
GCCM Fee	1,416,879			
Bid General Conditions	1,430,877			
GCCM Preconstruction Services	200,000			
Reimbursables	650,000			
SubTotal: GCCM or Design Build Costs		3,697,756	1.0758	3,978,046
<u>Construction Contingencies</u>				
Management Reserve	1,482,264			
Allowance for Change Orders	2,964,527			
SubTotal: Construction Contingencies		4,446,791	1.0758	4,783,858
Sales Tax		3,467,058	1.0758	3,729,861
Total: Construction Contracts		41,989,932	1.0758	45,172,769
EQUIPMENT				
E10 - Equipment	650,000			
E20 - Furnishings	1,200,000			
SubTotal:		1,850,000	1.0758	1,990,230
Sales Tax		166,500	1.0758	179,121
Total: Equipment		2,016,500	1.0758	2,169,351
ART WORK				
Higher Ed Artwork	159,462			
Total: Art Work		159,462	1.0000	159,462
OTHER COSTS				
Metro Connection Fees	25,000			
Building Permit	348,000			
Builders Risk Insurance	70,000			
Connectivity	150,000			
Shutdowns and Internal Services	80,000			
Total: Other Costs		673,000	1.0470	704,631
PROJECT MANAGEMENT				
Agency Project Management	2,613,857			
Contract Construction Manager	300,000			
Pre-design PM Fees	42,575			
Total: Project Management		2,956,432	1.0000	2,956,432

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Cost Estimate Summary and Detail

2011-13 Biennium

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Cost Estimate Number: 23
Cost Estimate Title: Denny Hall Renovation Design

Report Number: CBS003
Date Run: 8/27/2010 10:28AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	01-A	01-A
Project Classification	*	All Project Classifications
Capital Project Number	20081002	20081002
Cost Estimate Number	23	23
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:46PM

Project Number: 20091002
Project Title: Anderson Hall Renovation

Description

Starting Fiscal Year: 2009
Project Class: Preservation
Agency Priority: 9

Project Summary

The University of Washington is requesting state funding of \$2,500,000 for the Design Phase for the renovation of Anderson Hall. State funding of \$200,000 was appropriated in the 2009-11 biennium for the Pre-Design Study Phase. Anderson Hall was constructed in 1925. Anderson Hall houses the School of Forest Resources, the Ecosystems Sciences and Conservation Division, and the Institute for Forest Resources, all of which have been incorporated into the University's new College of the Environment. Anderson Hall is primarily an office and instructional building. Anderson Hall is one of fifteen buildings identified in the "Restore the Core" program of major building renovations described in the June 2004 UW Building Restoration and Renewal Prioritization Study. The study includes a priority list of buildings in dire need of major restoration. This renovation project will also address the Priority II ranking by the Earthquake Readiness Advisory Committee (ERAC) report of 1992. This ranking indicates that Anderson Hall is in need of extensive structural support strengthening to better resist the lateral forces generated by earthquakes. This renovation project will address the major building deficiencies and support efforts to integrate programs in the new College of the Environment.

Project Description

Anderson Hall was constructed in 1925 and is located on the Seattle campus. The Anderson Hall project will upgrade the major interior and exterior systems including replacement of heating, ventilation, plumbing, electrical fire protection and alarm systems. The exterior masonry requires a complete cleaning and tuck-point process to prevent further water infiltration into the building interior. Accessibility in Anderson Hall is severely limited by the lack of an elevator, accessible restrooms and other limitations. The proposed solution will provide access to all parts of the building and increase building efficiency for teaching and research.

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

See GMA Questionnaire

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	21,750,000		200,000		2,500,000
	Total	21,750,000	0	200,000	0	2,500,000
			Future Fiscal Periods			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State	19,050,000				
	Total	19,050,000	0	0	0	

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360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:46PM

Project Number: 20091002

Project Title: Anderson Hall Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2009	12/01/2009
Design	4/1/2010	10/1/2011
Construction	7/1/2011	12/1/2012

	<u>Total</u>
Gross Square Feet:	33,543
Usable Square Feet:	20,126
Efficiency:	60.0%
Escalated MACC Cost per Sq. Ft.:	343
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	159,315	0.7%
Construction Documents	968,081	4.5%
Extra Services	624,339	2.9%
Other Services	701,054	3.2%
Design Services Contingency	374,327	1.7%
Consultant Services Total	2,827,116	13.0%
Maximum Allowable Construction Cost(MACC)	11,516,956	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	11,516,956	53.0%
GCCM Risk Contingency	271,421	1.3%
GCCM or Design Build Costs	1,427,300	6.6%
Construction Contingencies	1,727,543	7.9%
Non Taxable Items	0	0.0%
Sales Tax	1,344,890	6.2%
Construction Contracts Total	16,288,110	74.9%
Equipment		
Equipment	568,100	2.6%
Non Taxable Items	0	0.0%
Sales Tax	51,129	0.2%
Equipment Total	619,229	2.9%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:46PM

Project Number: 20091002
Project Title: Anderson Hall Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	57,585	0.3%
Other Costs Total	384,775	1.8%
Project Management Total	1,573,185	7.2%
Grand Total Escalated Costs	<u>21,750,000</u>	
Rounded Grand Total Escalated Costs	21,750,000	

Operating Impacts

No Operating Impact

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20091002	20091002
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 30
 Cost Estimate Title: Anderson Hall Renovation
 Version: 02 FINAL
 Project Number: 20091002
 Project Title: Anderson Hall Renovation
 Project Phase Title:

Report Number: CBS003
 Date Run: 8/27/2010 1:47PM

Agency Preferred: Yes

Contact Info Contact Name: Amy Engel Contact Number: 206.616.4321

Statistics

Gross Sq. Ft.: 33,543
 Usable Sq. Ft.: 20,126
 Space Efficiency: 60%
 MACC Cost per Sq. Ft.: 302
 Escalated MACC Cost per Sq. Ft.: 343
 Remodel? Yes
 Construction Type: College Classroom Facilities
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2009	12-2009
Design:	04-2010	10-2011
Construction:	07-2011	12-2012
Duration of Construction (Months):	17	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	159,315	
Construction Documents	968,081	
Extra Services	624,339	
Other Services	701,054	
Design Services Contingency	374,327	

0

Consultant Services Total

Site work	0	
Related Project Costs	0	
Facility Construction	11,516,956	
Construction Contingencies	1,727,543	
Non Taxable Items	0	
Sales Tax	1,344,890	

2,827,116

Construction Contracts Total

16,288,110

Maximum Allowable Construction Cost(MACC) 11,516,956

Equipment	568,100	
Non Taxable Items	0	
Sales Tax	51,129	

Equipment Total

619,229

Art Work Total

57,585

Other Costs Total

384,775

Project Management Total

1,573,185

Grand Total Escalated Costs

21,750,000

Rounded Grand Total Escalated Costs

21,750,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 30
Cost Estimate Title: Anderson Hall Renovation

Report Number: CBS003
Date Run: 8/27/2010 1:47PM

Version: 02 FINAL
Project Number: 20091002
Project Title: Anderson Hall Renovation
Project Phase Title:

Agency Preferred: Yes

Contact Info **Contact Name:** Amy Engel

Contact Number: 206.616.4321

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	07-2008
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 30 **Analysis Date:** October 13, 2008
Cost Estimate Title: Anderson Hall Renovation
Detail Title: Anderson 09-11
Project Number: 20091002
Project Title: Anderson Hall Renovation
Project Phase Title:
Location: Seattle
Contact Info **Contact Name:** Amy Engel **Contact Number:** 206.616.4321

Statistics

Gross Sq. Ft.: 33,543
 Usable Sq. Ft.: 20,126
 Rentable Sq. Ft.:
 Space Efficiency: 60%
 Escalated MACC Cost per Sq. Ft.: 343
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years):
 Location Used for Tax Rate: Seattle
 Tax Rate: 9.00%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2009	12-2009
Design:	04-2010	10-2011
Construction:	07-2011	12-2012
Duration of Construction (Months):	17	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	7-2008	

Project Cost Summary

MACC:	\$ 10,136,381
MACC (Escalated):	\$ 11,516,956
Current Project Total:	\$ 19,422,426
Rounded Current Project Total:	\$ 19,422,000
Escalated Project Total:	\$ 21,750,000
Rounded Escalated Project Total:	\$ 21,750,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	150,000			
SubTotal: Pre-Schematic Design Services		150,000	1.0621	159,315
<u>Construction Documents</u>				
A/E Basic Design Services	892,158			
SubTotal: Construction Documents		892,158	1.0851	968,081
<u>Extra Services</u>				
Civil Design (Above Basic Services)	30,000			
Geotechnical Investigation	20,000			
Commissioning (Systems Check)	45,000			
Site Survey	10,000			
Testing	65,000			
Leadership Energy & Environment Design List(LEED)	50,000			
Voice/Data Consultant	20,000			
Value Engineering Participation & Implementation	10,000			
Constructability Review Participation	15,000			
Landscape Consultant	40,000			
Acoustical Consultant	15,000			
Haz Mat Consultant	50,000			
Elevator Consultant	5,000			
Communications Consultant	10,000			
Graphics	5,000			
Interior Design	35,000			
Other	35,000			
Partnering	2,000			
Quality Control Consultant	10,000			
Electronic Audio/Visual	20,000			
Reimbursables/Doc Repro	40,000			
Indoor Air Quality Consultant	10,000			
Lighting Design and Calculations	10,000			
Site Survey	10,000			
Specialty Consultants	13,375			
SubTotal: Extra Services		575,375	1.0851	624,339
<u>Other Services</u>				
Bid/Construction/Closeout	367,016			
HVAC Balancing	80,000			
Constuction Support	170,000			
SubTotal: Other Services		617,016	1.1362	701,054
<u>Design Services Contingency</u>				
Design Services Contingency	223,455			
Change Order Design Allowance	106,000			
SubTotal: Design Services Contingency		329,455	1.1362	374,327
Total: Consultant Services		2,564,004	1.1026	2,827,116
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	9,555,394			
Additional Escalation	580,987			
SubTotal: Facility Construction		10,136,381	1.1362	11,516,956
Maximum Allowable Construction Cost (MACC)		10,136,381	1.1400	11,516,956
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	238,885			
SubTotal: GCCM Risk Contingency		238,885	1.1362	271,421

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
<u>GCCM or Design Build Costs</u>				
GCCM Fee	450,993			
Bid General Conditions	413,993			
GCCM Preconstruction Services	200,000			
Construction Support Services	191,219			
SubTotal: GCCM or Design Build Costs		1,256,205	1.1362	1,427,300
<u>Construction Contingencies</u>				
Management Reserve	506,819			
Allowance for Change Orders	1,013,638			
SubTotal: Construction Contingencies		1,520,457	1.1362	1,727,543
Sales Tax		1,183,673	1.1362	1,344,890
Total: Construction Contracts		14,335,601	1.1362	16,288,110
EQUIPMENT				
E10 - Equipment	150,000			
E20 - Furnishings	350,000			
SubTotal:		500,000	1.1362	568,100
Sales Tax		45,000	1.1362	51,129
Total: Equipment		545,000	1.1362	619,229
ART WORK				
Total: Art Work		57,585	1.0000	57,585
OTHER COSTS				
Permit, Insurance, Connectivity	347,051			
Total: Other Costs		347,051	1.1087	384,775
PROJECT MANAGEMENT				
Agency Project Management	1,135,185			
Contract Construction Management	398,000			
Proactive PM Fees	40,000			
Total: Project Management		1,573,185	1.0000	1,573,185

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Cost Estimate Summary and Detail

2011-13 Biennium

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Cost Estimate Number: 30
Cost Estimate Title: Anderson Hall Renovation

Report Number: CBS003
Date Run: 8/27/2010 1:47PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20091002	20091002
Cost Estimate Number	30	30
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 5:09PM

Project Number: 20081003
Project Title: Lewis Hall Renovation

Description

Starting Fiscal Year: 2008
Project Class: Preservation
Agency Priority: 10

Project Summary

This is a request for state construction funding of \$23,130,000 for the renovation of Lewis Hall and construction of a 9,250 square foot addition. Constructed in 1896, Lewis Hall is one of the first buildings constructed on the Seattle Campus, and is listed on the Washington State Heritage Register. Lewis Hall is one of fifteen buildings identified in the UW "Restore the Core" program of major building renovations described in the Building Restoration & Renewal Prioritization study. The building seismic condition is classified as a Priority II which will require major structural renovations to minimize earthquake related damage. The building infrastructure, from the exterior brick masonry shell to the interior systems need total replacement and/or major upgrades. This project is a major restoration to address significant disrepair, long overdue upgrades and many building and safety code issues.

Project Description

This is a request for 2011-2013 state construction funding of \$23,130,000 for the renovation of Lewis Hall. Lewis Hall, a companion building to Clark Hall, is one of the first buildings constructed on the Seattle campus and is listed on the Washington Heritage Register. This wood frame building with a masonry exterior was the original men's dormitory building. Constructed in 1896, the exterior and interior of Lewis Hall has deteriorated over its 100 years of impact from normal use and climate. This building occupies a prominent position in the University's history and culture. The overall scope of work for Lewis Hall includes: Strengthen building cores, structure and shell to better resist earthquakes; meet current building codes; reinforce floor and roof diaphragms; anchor copings, masonry veneer, and sill plates to the structure and foundation; repair and restore exterior brick masonry and sandstone walls; replace all mechanical, electrical, and communication infrastructure; address ADA needs including ADA compliant access, elevators, restrooms, ramps, etc.; and improve layout to make more efficient use of existing space and construction of a 9,250 gross square foot addition. The estimated total project budget is \$25,130,000.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

See Attached GMA questionnaire

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	25,057,708	1,449,708	478,000		23,130,000
	Total	25,057,708	1,449,708	478,000	0	23,130,000
Future Fiscal Periods						
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Schedule and Statistics

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 5:09PM

Project Number: 20081003

Project Title: Lewis Hall Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2007	12/01/2007
Design	4/1/2008	7/1/2009
Construction	11/1/2009	12/1/2010

Total

Gross Square Feet:	33,736
Usable Square Feet:	17,500
Efficiency:	51.9%
Escalated MACC Cost per Sq. Ft.:	395
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	300,000	1.2%
Construction Documents	838,004	3.3%
Extra Services	785,582	3.1%
Other Services	660,141	2.6%
Design Services Contingency	348,983	1.4%
Consultant Services Total	2,932,710	11.7%
Maximum Allowable Construction Cost(MACC)	13,335,566	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	13,335,566	53.1%
GCCM Risk Contingency	437,520	1.7%
GCCM or Design Build Costs	2,145,435	8.5%
Construction Contingencies	2,000,335	8.0%
Non Taxable Items	0	0.0%
Sales Tax	1,612,697	6.4%
Construction Contracts Total	19,531,553	77.7%
Equipment		
Equipment	480,015	1.9%
Non Taxable Items	0	0.0%
Sales Tax	43,201	0.2%
Equipment Total	523,216	2.1%

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 5:09PM

Project Number: 20081003

Project Title: Lewis Hall Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	66,678	0.3%
Other Costs Total	418,694	1.7%
Project Management Total	1,657,149	6.6%
Grand Total Escalated Costs	<u>25,130,000</u>	
Rounded Grand Total Escalated Costs	25,130,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20081003	20081003
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 24
 Cost Estimate Title: Lewis Hall Renovation

Report Number: CBS003
 Date Run: 8/27/2010 1:49PM

Version: 02 FINAL
 Project Number: 20081003
 Project Title: Lewis Hall Renovation
 Project Phase Title:

Agency Preferred: Yes

Contact Info Contact Name: Ken Kubota Contact Number: 206.616.0360

Statistics

Gross Sq. Ft.:	33,736
Usable Sq. Ft.:	17,500
Space Efficiency:	52%
MACC Cost per Sq. Ft.:	371
Escalated MACC Cost per Sq. Ft.:	395
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2007	12-2007
Design:	04-2008	07-2009
Construction:	11-2009	12-2010
Duration of Construction (Months):	13	

Cost Summary Escalated

Acquisition Costs Total		0
Pre-Schematic Design Services		300,000
Construction Documents		838,004
Extra Services		785,582
Other Services		660,141
Design Services Contingency		348,983
Consultant Services Total		2,932,710
Site work		0
Related Project Costs		0
Facility Construction		13,335,566
Construction Contingencies		2,000,335
Non Taxable Items		0
Sales Tax		1,612,697
Construction Contracts Total		19,531,553
Maximum Allowable Construction Cost(MACC)	13,335,566	
Equipment		480,015
Non Taxable Items		0
Sales Tax		43,201
Equipment Total		523,216
Art Work Total		66,678
Other Costs Total		418,694
Project Management Total		1,657,149
Grand Total Escalated Costs		25,130,000
Rounded Grand Total Escalated Costs		25,130,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 24
Cost Estimate Title: Lewis Hall Renovation

Report Number: CBS003
Date Run: 8/27/2010 1:49PM

Version: 02 FINAL
Project Number: 20081003
Project Title: Lewis Hall Renovation
Project Phase Title:

Agency Preferred: Yes

Contact Info **Contact Name:** Ken Kubota **Contact Number:** 206.616.0360

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	07-2008
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 24 **Analysis Date:** October 13, 2008
Cost Estimate Title: Lewis Hall Renovation
Detail Title: Lewis Hall 09-11
Project Number: 20081003
Project Title: Lewis Hall Renovation
Project Phase Title:
Location: Seattle
Contact Info **Contact Name:** Ken Kubota **Contact Number:** 206.616.0360

Statistics

Gross Sq. Ft.: 33,736
 Usable Sq. Ft.: 17,500
 Rentable Sq. Ft.:
 Space Efficiency: 52%
 Escalated MACC Cost per Sq. Ft.: 395
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years):
 Location Used for Tax Rate: Seattle
 Tax Rate: 9.00%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2007	12-2007
Design:	04-2008	07-2009
Construction:	11-2009	12-2010
Duration of Construction (Months):	13	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	7-2008	

Project Cost Summary

MACC:	\$ 12,501,702
MACC (Escalated):	\$ 13,335,566
Current Project Total:	\$ 23,773,219
Rounded Current Project Total:	\$ 23,773,000
Escalated Project Total:	\$ 25,130,000
Rounded Escalated Project Total:	\$ 25,130,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	300,000			
SubTotal: Pre-Schematic Design Services		300,000	1.0000	300,000
<u>Construction Documents</u>				
A/E Basic Design Services	827,250			
SubTotal: Construction Documents		827,250	1.0130	838,004
<u>Extra Services</u>				
Civil Design (Above Basic Services)	50,000			
Geotechnical Investigation	15,000			
Commissioning (Systems Check)	40,000			
Site Survey	18,000			
Testing	100,000			
Leadership Energy & Environment Design List(LEED)	95,000			
Voice/Data Consultant	30,000			
Value Engineering Participation & Implementation	25,000			
Constructability Review Participation	25,000			
Environmental Mitigation Services (EIS)	20,000			
Landscape Consultant	70,000			
Security Consultant	10,000			
Graphics	7,500			
Hazardous Materials Consultant	50,000			
Other	150,000			
Quality Control Consultant	15,000			
Permit Expeditor	5,000			
Interior Design	50,000			
SubTotal: Extra Services		775,500	1.0130	785,582
<u>Other Services</u>				
Bid/Construction/Closeout	371,663			
HVAC Balancing	15,000			
Construction Support	232,200			
SubTotal: Other Services		618,863	1.0667	660,141
<u>Design Services Contingency</u>				
Design Services Contingency	252,161			
Change Order Design Allowance	75,000			
SubTotal: Design Services Contingency		327,161	1.0667	348,983
Total: Consultant Services		2,848,774	1.0295	2,932,710
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
F10 - Special Construction	252,441			
Complete Facilities	11,905,000			
Additional Escalation	344,261			
SubTotal: Facility Construction		12,501,702	1.0667	13,335,566
Maximum Allowable Construction Cost (MACC)		12,501,702	1.0700	13,335,566
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	410,162			
SubTotal: GCCM Risk Contingency		410,162	1.0667	437,520
<u>GCCM or Design Build Costs</u>				
GCCM Fee	765,063			
Bid General Conditions	415,410			
GCCM Preconstruction Services	250,000			
Negotiated Support Services	580,809			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
SubTotal: GCCM or Design Build Costs		2,011,282	1.0667	2,145,435
<u>Construction Contingencies</u>				
Management Reserve	625,085			
Allowance for Change Orders	1,250,170			
SubTotal: Construction Contingencies		1,875,255	1.0667	2,000,335
Sales Tax		1,511,856	1.0667	1,612,697
Total: Construction Contracts		18,310,257	1.0667	19,531,553
EQUIPMENT				
E10 - Equipment	50,000			
E20 - Furnishings	400,000			
SubTotal:		450,000	1.0667	480,015
Sales Tax		40,500	1.0667	43,201
Total: Equipment		490,500	1.0667	523,216
ART WORK				
Total: Art Work		66,678	1.0000	66,678
OTHER COSTS				
Permits, Insurance, Connectivity	399,861			
Total: Other Costs		399,861	1.0471	418,694
PROJECT MANAGEMENT				
Agency Project Management	1,355,149			
Contract Construction Management	267,000			
Preactive PM Fees	35,000			
Total: Project Management		1,657,149	1.0000	1,657,149

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Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 24

Report Number: CBS003

Cost Estimate Title: Lewis Hall Renovation

Date Run: 8/27/2010 1:49PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20081003	20081003
Cost Estimate Number	24	24
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 5:14PM

Project Number: 20091001

Project Title: Miller Hall Renovation

Description

Starting Fiscal Year: 2009

Project Class: Preservation

Agency Priority: 11

Project Summary

In 2011-13, the University of Washington is requesting state funding for the renovation of Miller Hall. Funding is requested in order to prepare for a major building renovation of the 72,655 gross square foot facility in 2013-2015. Miller Hall has not had a major infrastructure upgrade in over 48 years and some of the building systems are still from the original construction. Miller Hall is one of the fifteen buildings in the "Restore the Core" program. As one of the buildings on the UW's Critical Building List this building is also an integral part of the Seattle campus. . There are four general assignment classrooms in Miller Hall; three 35 seat classrooms, and a 150 seat auditorium. The department also has three classrooms (40, 25 and 10 seat), 2 computer classrooms, 3 lab classrooms, 11 open laboratories and 14 conference rooms. Faculty cannot carry out many modern teaching activities in Miller Hall due to the constraints of the antiquated building systems. Insufficient communication and electrical service, lighting, ventilation, and other systems limit the utilization of teaching and research spaces. . For example, the majority of the building is still heated and ventilated by the 1922 building supply and return/exhaust fans. The building does not meet modern building code requirements regarding seismic safety, accessibility, electrical systems, air handling, water distribution and fire protection. No viable alternative space has been identified for the programs housed in Miller Hall. A full major building renovation is proposed for this unique campus building allowing it to last for the next generations of students. A renovation of Miller Hall provides an opportunity to improve seismic performance, accessibility, safety, maintainability, energy and water consumption, and provide other modern sustainable building features. The reconfiguration of all interior spaces allows major improvements in the quality and functionality of teaching spaces and the efficiency of the overall building.

Project Description

In 2011-13, the University of Washington is requesting state funding for the renovation of Miller Hall. For Miller Hall, the "Restore the Core" study recommends "major improvements or replacements of all major building systems". As is the case with the other major renovations in the "Restore the Core" program, both the predesign and design phases can be accomplished in one biennium. Miller Hall was constructed in 1922 and partially renovated in 1962. Structurally, the building should be strengthened to better resist the lateral forces generated by earthquakes. The Miller Hall Renovation project will address the major building issues including the exterior, heating/ventilation, plumbing, electrical, fire protection, surge space needs, communications system and computing infrastructure.

A renovation of Miller Hall provides an opportunity to improve seismic performance, accessibility, safety, maintainability, energy and water consumption, and provide other modern sustainable building features. The reconfiguration of all interior spaces allows major improvements in the quality and functionality of teaching spaces and the efficiency of the overall building.

The proposed project will renew the facility for the current occupants, the College of Education. Miller Hall is an important instructional building. The preservation of Miller Hall will also include the use of low-toxicity materials as well as sustainability harvested materials and renewable resources. Building systems, including electrical and plumbing systems, will be selected for their efficiency and mechanical systems will be minimized through the use of natural ventilation. The recycling and reuse of construction and demolition waste, to keep materials out of the waste stream, will be required of the contractor. The renovation will be designed to achieve at least Leadership in Environmental and Energy Design (LEED) Silver requirements. No viable alternative space has been identified for the programs housed in Miller Hall.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 5:14PM

Project Number: 20091001

Project Title: Miller Hall Renovation

Description

Growth Management impacts

See GMA Questionnaire

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	44,000,000				4,000,000
	Total	44,000,000	0	0	0	4,000,000

Acct Code	Account Title	Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	40,000,000			
	Total	40,000,000	0	0	0

Schedule and Statistics

	Start Date	End Date
Pre-design	07/01/2011	11/01/2011
Design	5/1/2012	5/1/2013
Construction	7/1/2013	6/1/2015

	Total
Gross Square Feet:	72,655
Usable Square Feet:	43,092
Efficiency:	59.3%
Escalated MACC Cost per Sq. Ft.:	352
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	211,660	0.5%
Construction Documents	1,498,751	3.4%
Extra Services	921,041	2.1%
Other Services	1,067,155	2.4%
Design Services Contingency	552,202	1.3%
Consultant Services Total	4,250,809	9.7%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 5:14PM

Project Number: 20091001

Project Title: Miller Hall Renovation

Cost Summary

		<u>Escalated Cost</u>	<u>% of Project</u>
Maximum Allowable Construction Cost(MACC)	25,597,558		
Site work		0	0.0%
Related Project Costs		350,560	0.8%
Facility Construction		25,246,998	57.4%
GCCM Risk Contingency		591,675	1.3%
GCCM or Design Build Costs		2,756,107	6.3%
Construction Contingencies		3,841,146	8.7%
Non Taxable Items		0	0.0%
Sales Tax		3,114,716	7.1%
Construction Contracts Total		35,901,202	81.6%
Equipment			
Equipment		1,153,342	2.6%
Non Taxable Items		0	0.0%
Sales Tax		109,568	0.3%
Equipment Total		1,262,910	2.9%
Art Work Total		127,988	0.3%
Other Costs Total		420,097	1.0%
Project Management Total		2,036,995	4.6%
Grand Total Escalated Costs		44,000,001	
Rounded Grand Total Escalated Costs		44,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20091001	20091001
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 75
 Cost Estimate Title: Miller Hall Renovation June 2010

Report Number: CBS003
 Date Run: 8/27/2010 1:51PM

Version: 02 FINAL
 Project Number: 20091001
 Project Title: Miller Hall Renovation
 Project Phase Title:

Agency Preferred: Yes

Contact Info Contact Name: Michael Carette Contact Number: 206.543.4102

Statistics

Gross Sq. Ft.:	72,655
Usable Sq. Ft.:	43,092
Space Efficiency:	59%
MACC Cost per Sq. Ft.:	313
Escalated MACC Cost per Sq. Ft.:	352
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2011	11-2011
Design:	05-2012	05-2013
Construction:	07-2013	06-2015
Duration of Construction (Months):	23	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	211,660
Construction Documents	1,498,751
Extra Services	921,041
Other Services	1,067,155
Design Services Contingency	552,202

0

Consultant Services Total

Site work	0
Related Project Costs	350,560
Facility Construction	25,246,998
Construction Contingencies	3,841,146
Non Taxable Items	0
Sales Tax	3,114,716

4,250,809

Construction Contracts Total

35,901,202

Maximum Allowable Construction Cost(MACC) 25,597,558

Equipment	1,153,342
Non Taxable Items	0
Sales Tax	109,568

Equipment Total

1,262,910

Art Work Total

127,988

Other Costs Total

420,097

Project Management Total

2,036,995

Grand Total Escalated Costs

44,000,001

Rounded Grand Total Escalated Costs

44,000,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 75
Cost Estimate Title: Miller Hall Renovation June 2010

Report Number: CBS003
Date Run: 8/27/2010 1:51PM

Version: 02 FINAL
Project Number: 20091001
Project Title: Miller Hall Renovation
Project Phase Title:

Agency Preferred: Yes

Contact Info Contact Name: Michael Carette Contact Number: 206.543.4102

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 75 **Analysis Date:** June 20, 2010
Cost Estimate Title: Miller Hall Renovation June 2010
Detail Title: Miller Hall June 2010
Project Number: 20091001
Project Title: Miller Hall Renovation
Project Phase Title:
Location: Seattle , King County
Contact Info **Contact Name:** Michael Carette **Contact Number:** 206.543.4102

Statistics

Gross Sq. Ft.: 72,655
 Usable Sq. Ft.: 43,092
 Rentable Sq. Ft.:
 Space Efficiency: 59%
 Escalated MACC Cost per Sq. Ft.: 352
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years): 40
 Location Used for Tax Rate: Seattle , King Coun
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2011	11-2011
Design:	05-2012	05-2013
Construction:	07-2013	06-2015
Duration of Construction (Months):	23	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 22,721,950
MACC (Escalated):	\$ 25,597,558
Current Project Total:	\$ 39,424,123
Rounded Current Project Total:	\$ 39,424,000
Escalated Project Total:	\$ 44,000,001
Rounded Escalated Project Total:	\$ 44,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	200,000			
SubTotal: Pre-Schematic Design Services		200,000	1.0583	211,660
<u>Construction Documents</u>				
A/E Basic Design Services	1,395,355			
SubTotal: Construction Documents		1,395,355	1.0741	1,498,751
<u>Extra Services</u>				
Civil Design (Above Basic Services)	40,000			
Geotechnical Investigation	30,000			
Commissioning (Systems Check)	150,000			
Site Survey	25,000			
Testing	100,000			
Leadership Energy & Environment Design List(LEED)	60,000			
Voice/Data Consultant	25,000			
Value Engineering Participation & Implementation	25,000			
Constructability Review Participation	20,000			
Environmental Mitigation Services (EIS)	40,000			
Landscape Consultant	75,000			
Specialty Consultant	175,000			
Hazardous Materials Consultant	40,000			
Permit Expeditor	2,500			
Document Reproduction	50,000			
SubTotal: Extra Services		857,500	1.0741	921,041
<u>Other Services</u>				
Bid/Construction/Closeout	626,899			
HVAC Balancing	75,000			
Staffing	200,000			
Small Contract Attorneys , DRB	5,000			
Reimburables	40,000			
SubTotal: Other Services		946,899	1.1270	1,067,155
<u>Design Services Contingency</u>				
Design Services Contingency	339,975			
Change Order Allowance	150,000			
SubTotal: Design Services Contingency		489,975	1.1270	552,202
Total: Consultant Services		3,889,729	1.0928	4,250,809
CONSTRUCTION CONTRACTS				
<u>Related Project Costs</u>				
Hazardous Material Remediation and Removal	320,000			
SubTotal: Related Project Costs		320,000	1.0955	350,560
<u>Facility Construction</u>				
Complete Facilities	22,401,950			
SubTotal: Facility Construction		22,401,950	1.1270	25,246,998
Maximum Allowable Construction Cost (MACC)		22,721,950	1.1300	25,597,558
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	525,000			
SubTotal: GCCM Risk Contingency		525,000	1.1270	591,675
<u>GCCM or Design Build Costs</u>				
GCCM Fee	795,525			
Bid General Conditions	1,200,000			
GCCM Preconstruction Services	200,000			
Negotiated Support Services	250,000			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
SubTotal: GCCM or Design Build Costs		2,445,525	1.1270	2,756,107
<u>Construction Contingencies</u>				
Management Reserve	1,136,098			
Allowance for Change Orders	2,272,195			
SubTotal: Construction Contingencies		3,408,293	1.1270	3,841,146
Sales Tax		2,764,573	1.1267	3,114,716
Total: Construction Contracts		31,865,341	1.1267	35,901,202
EQUIPMENT				
E10 - Equipment	473,374			
E20 - Furnishings	550,000			
SubTotal:		1,023,374	1.1270	1,153,342
Sales Tax		97,221	1.1270	109,568
Total: Equipment		1,120,595	1.1270	1,262,910
ART WORK				
Total: Art Work		127,988	1.0000	127,988
OTHER COSTS				
Advertising	2,000			
Building Permits	263,430			
Builders Risk Insurance	98,045			
Other	20,000			
Total: Other Costs		383,475	1.0955	420,097
PROJECT MANAGEMENT				
Agency Project Management	2,036,995			
Total: Project Management		2,036,995	1.0000	2,036,995

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 75
Cost Estimate Title: Miller Hall Renovation June 2010

Report Number: CBS003
Date Run: 8/27/2010 1:51PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20091001	20091001
Cost Estimate Number	75	75
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 2:58PM

Project Number: 30000374

Project Title: UW Seattle Major Infrastructure Projects- Multiple

Description

Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 12

Project Summary

The University of Washington will request \$46.5M in future biennia to invest in major capital infrastructure improvements on the UW Seattle campus. These projects will assist the UW reduce its greenhouse gas emissions by 36% below the University's 2005 emission level by 2035 - a key goal identified in the University of Washington's Climate Action Plan.

Project Description

These major capital infrastructure improvements on the UW Seattle campus will assist the UW reduce its greenhouse gas emissions by 36% below the University's 2005 emission level by 2035 - a key goal identified in the University of Washington's Climate Action Plan.
Development of a new central energy conservation center – the largest capital component of the proposed UW Seattle Major Infrastructure Improvements - will cost-effectively and sustainably service many areas of the UW Seattle campus by utilizing the valuable existing utility tunnel system.
UW Seattle's planned major infrastructure improvements includes a "Smart Campus" project, green street/storm water management projects, an emergency power system improvement, major boiler and steam plant improvements, chilled water system improvements, among other major capital energy- conserving projects.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure (Major Projects)

Growth Management impacts

See Growth Management Impact Questionnaire

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	46,500,000				
	Total	46,500,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	8,500,000	8,500,000	18,000,000	12,000,000	8,000,000
	Total	8,500,000	8,500,000	18,000,000	12,000,000	8,000,000

Operating Impacts

No Operating Impact

SubProjects

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 2:58PM

Project Number: 30000374
Project Title: UW Seattle Major Infrastructure Projects- Multiple

SubProjects

SubProject Number: 30000476
SubProject Title: UW Seattle Major Infrastructure - Smart Campus

Project Summary

The University of Washington will request \$46.5M total in future biennia to invest in major capital infrastructure improvements on the UW Seattle campus. These projects will assist the UW reduce its greenhouse gas emissions by 36% below the University's 2005 emission level by 2035 - a key goal identified in the University of Washington's Climate Action Plan. UW Seattle's planned major infrastructure improvements includes a "Smart Campus" project, green street/storm water management projects, an emergency power system improvement, major boiler and steam plant improvements, chilled water system improvements, among other major capital energy- conserving projects.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	17,500,000				
	Total	17,500,000	0	0	0	0
		Future Fiscal Periods				
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State	1,100,000	16,400,000			
	Total	1,100,000	16,400,000	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000477
SubProject Title: UW Seattle Major Infrastructure- Energy Conservation Ctr

Project Summary

The University of Washington will request \$46.5M total in future biennia to invest in major capital infrastructure improvements on the UW Seattle campus. These projects will assist the UW reduce its greenhouse gas emissions by 36% below the University's 2005 emission level by 2035 - a key goal identified in the University of Washington's Climate Action Plan. Development of a new central energy conservation center – the largest capital component of the proposed UW Seattle Major Infrastructure Improvements - will cost-effectively and sustainably service many areas of the UW Seattle campus by utilizing the valuable existing utility tunnel system.

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	13,350,000				

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 2:58PM

Project Number: 30000374
Project Title: UW Seattle Major Infrastructure Projects- Multiple

SubProjects

SubProject Number: 30000477
SubProject Title: UW Seattle Major Infrastructure- Energy Conservation Ctr

Total	13,350,000	0	0	0	0
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		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	500,000	1,600,000	11,250,000	
	Total	500,000	1,600,000	11,250,000	0

Operating Impacts

No Operating Impact

SubProject Number: 30000478
SubProject Title: UW Seattle Major Infrastructure- Multiple Projects

Project Summary

The University of Washington will request \$46.5M total in future biennia to invest in major capital infrastructure improvements on the UW Seattle campus. These projects will assist the UW reduce its greenhouse gas emissions by 36% below the University's 2005 emission level by 2035 - a key goal identified in the University of Washington's Climate Action Plan. UW Seattle's planned major infrastructure improvements includes a green street/storm water management projects, an emergency power system improvement, major boiler and steam plant improvements, chilled water system improvements, among other major capital energy- conserving projects.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	6,900,000				
	Total	6,900,000	0	0	0	0

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	6,900,000			
	Total	6,900,000	0	0	0

Operating Impacts

No Operating Impact

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 2:58PM

Project Number: 30000374

Project Title: UW Seattle Major Infrastructure Projects- Multiple

SubProjects

SubProject Number: 30000479

SubProject Title: UW Seattle major Infrastructure - Storm Water Management

Project Summary

The University of Washington will request \$46.5M total in future biennia to invest in major capital infrastructure improvements on the UW Seattle campus. These projects will assist the UW reduce its greenhouse gas emissions by 36% below the University's 2005 emission level by 2035 - a key goal identified in the University of Washington's Climate Action Plan. UW Seattle's planned major infrastructure improvements includes a green street/storm water management projects, and other major capital energy- conserving projects.

Location

City: Seattle

County: King

Legislative District: 043

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	8,750,000				
	Total	8,750,000	0	0	0	0
		Future Fiscal Periods				
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State			750,000	8,000,000	
	Total	0	0	750,000	8,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000374	30000374
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 3:36PM

Project Number: 30000375

Project Title: UW Tacoma Major Infrastructure Projects- Multiple

Description

Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 14

Project Summary

The University of Washington will request \$15.5 million in future biennia to invest in major capital infrastructure projects on the UW Tacoma campus. These projects, including a central service energy conservation center, are essential in building an operational and cost-efficient foundation that will support the physical growth of UW Tacoma. Perhaps more important, these projects will provide much more energy efficiency, water conservation, and support for sustainable initiatives on UW Tacoma campus by reducing life cycle costs and reducing the campus' carbon footprint. The intent of the major infrastructure projects is to approach infrastructure investment comprehensively with a focus on efficient return on investment.

Project Description

These capital infrastructure projects on the UW Tacoma campus will include a central service energy conservation center, which is essential in building an operational and cost-efficient foundation that will support the physical growth of UW Tacoma. These projects will provide much more energy efficiency, water conservation, and support for sustainable initiatives on UW Tacoma campus by reducing life cycle costs and reducing the campus' carbon footprint. Development of a new central energy conservation center – the largest capital component of the 10-Year Infrastructure Plan for UW Tacoma - will cost-effectively and sustainably service the future UWT campus, and, begin to service existing university facilities as the mechanical equipment serving individual campus buildings exceeds its service life. The current UWT campus footprint capacity is approximately twenty percent developed; therefore, development of a central energy conservation center will be key to achieving substantive life cycle cost savings for all future campus development. This Center will also house the campus main electrical distribution center providing the ability to centrally control and manage the distribution of more cost-effective reliable regular and emergency power cost effectively. Infrastructure funding will allow the campus to leverage additional innovative alternative power-generating opportunities from wind, solar thermal, photovoltaic (PV) and other emerging technologies.

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Infrastructure (Major Projects)

Growth Management impacts

No Growth Management Impacts

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	15,500,000				
	Total	15,500,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	250,000	2,250,000	10,000,000	3,000,000	
	Total	250,000	2,250,000	10,000,000	3,000,000	

OEM

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 3:36PM

Project Number: 30000375

Project Title: UW Tacoma Major Infrastructure Projects- Multiple

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000375	30000375
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 95
 Cost Estimate Title: UW Tacoma Infrastructure
 Version: 02 FINAL
 Project Number: 30000375
 Project Title: UW Tacoma Major Infrastructure Projects- Multiple
 Project Phase Title:

Report Number: CBS003
 Date Run: 8/31/2010 3:47PM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685. ext. 9963

Statistics

Gross Sq. Ft.: 0
 Usable Sq. Ft.: 0
 Space Efficiency:
 MACC Cost per Sq. Ft.: 0
 Escalated MACC Cost per Sq. Ft.: 0
 Remodel? No
 Construction Type: Other Schedule A Projects
 A/E Fee Class: A
 A/E Fee Percentage: 9.39%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	06-2013	06-2014
Design:	07-2015	08-2017
Construction:	08-2019	08-2021
Duration of Construction (Months):	24	

Cost Summary Escalated

Acquisition Costs Total		0
Pre-Schematic Design Services		0
Construction Documents		631,364
Extra Services		196,720
Other Services		319,675
Design Services Contingency		93,968
Consultant Services Total		1,241,727
Site work		10,661,682
Related Project Costs		0
Facility Construction		0
Construction Contingencies		1,098,200
Non Taxable Items		0
Sales Tax		1,117,189
Construction Contracts Total		12,877,071
Maximum Allowable Construction Cost(MACC)	10,661,682	
Equipment		150,277
Non Taxable Items		0
Sales Tax		14,276
Equipment Total		164,553
Art Work Total		53,308
Other Costs Total		327,850
Project Management Total		835,448
Grand Total Escalated Costs		15,499,957
Rounded Grand Total Escalated Costs		15,500,000

Additional Details

Alternative Public Works Project: No

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 95

Report Number: CBS003

Cost Estimate Title: UW Tacoma Infrastructure

Date Run: 8/31/2010 3:47PM

Version: 02 FINAL

Agency Preferred: Yes

Project Number: 30000375

Project Title: UW Tacoma Major Infrastructure Projects- Multiple

Project Phase Title:

Contact Info Contact Name: Bruce Abe

Contact Number: 206.685. ext. 9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

OFM

360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 95 **Analysis Date:** August 30, 2010
Cost Estimate Title: UW Tacoma Infrastructure
Detail Title: UW Tacoma Infrastructure Aug. 2010
Project Number: 30000375
Project Title: UW Tacoma Major Infrastructure Projects- Multiple
Project Phase Title:
Location: Tacoma, Pierce County
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685. ext. 9963

Statistics

Gross Sq. Ft.:
 Usable Sq. Ft.:
 Rentable Sq. Ft.:
 Space Efficiency:
 Escalated MACC Cost per Sq. Ft.:
 Escalated Cost per S. F. Explanation

Construction Type: Other Schedule A Projects
Remodel? No
A/E Fee Class: A
A/E Fee Percentage: 9.39%
Contingency Rate: 7.50%
 Contingency Explanation

Management Reserve: 2.50%
Projected Life of Asset (Years): 30
Location Used for Tax Rate: Tacoma, Pierce Co
Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: No

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	06-2013	06-2014
Design:	07-2015	08-2017
Construction:	08-2019	08-2021
Duration of Construction (Months):	24	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 8,130,000
MACC (Escalated):	\$ 10,661,682
Current Project Total:	\$ 12,050,257
Rounded Current Project Total:	\$ 12,050,000
Escalated Project Total:	\$ 15,499,957
Rounded Escalated Project Total:	\$ 15,500,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Construction Documents</u>				
A/E Basic Design Services	526,751			
SubTotal: Construction Documents		526,751	1.1986	631,364
<u>Extra Services</u>				
Specialty Consultants	164,125			
SubTotal: Extra Services		164,125	1.1986	196,720
<u>Other Services</u>				
Bid/Construction/Closeout	236,656			
SubTotal: Other Services		236,656	1.3508	319,675
<u>Design Services Contingency</u>				
Design Services Contingency	69,565			
SubTotal: Design Services Contingency		69,565	1.3508	93,968
Total: Consultant Services		997,097	1.2453	1,241,727
CONSTRUCTION CONTRACTS				
<u>Site work</u>				
G20 - Site Improvements	8,130,000			
SubTotal: Site work		8,130,000	1.3114	10,661,682
Maximum Allowable Construction Cost (MACC)		8,130,000	1.3100	10,661,682
<u>Construction Contingencies</u>				
Management Reserve	203,250			
Allowance for Change Orders	609,750			
SubTotal: Construction Contingencies		813,000	1.3508	1,098,200
Sales Tax		849,585	1.3150	1,117,189
Total: Construction Contracts		9,792,585	1.3150	12,877,071
EQUIPMENT				
E10 - Equipment	111,250			
SubTotal:		111,250	1.3508	150,277
Sales Tax		10,569	1.3507	14,276
Total: Equipment		121,819	1.3508	164,553
ART WORK				
Total: Art Work		53,308	1.0000	53,308
OTHER COSTS				
Permits and Other	250,000			
Total: Other Costs		250,000	1.3114	327,850
PROJECT MANAGEMENT				
Agency Project Management	835,448			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
PROJECT MANAGEMENT				
Total: Project Management		835,448	1.0000	<u>835,448</u>

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 95
Cost Estimate Title: UW Tacoma Infrastructure

Report Number: CBS003
Date Run: 8/31/2010 3:47PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000375	30000375
Cost Estimate Number	95	95
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 3:02PM

Project Number: 30000376

Project Title: UW Bothell Major Infrastructure Projects

Description

Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 15

Project Summary

The University of Washington will request \$10.5 million in future biennia to invest in major capital infrastructure projects on the UW Bothell campus. These projects, including expansion of the existing UW Bothell existing central plant; intra-campus vehicular, and pedestrian circulation storm water management improvements, and expansion of major utility distribution systems are essential in building an operational and cost-efficient foundation that will support the development of the campus as it grows to meet a target of 6,000 student FTE enrollment level.

Project Description

The capital infrastructure projects on the UW Bothell campus include expansion of the existing UW Bothell existing central plant; intra-campus vehicular, and pedestrian circulation storm water management improvements, and expansion of major utility distribution systems that will support the development of the campus as it grows to meet a target of 6,000 student FTE enrollment level.

The intent of the major infrastructure projects is to approach infrastructure comprehensively and efficiently – to reduce water consumption, provide energy conservation, enhance operational efficiencies, and support green initiatives particularly storm water management as it relates to wetland restoration.

Location

City: Bothell

County: King

Legislative District: 001

Project Type

Infrastructure (Major Projects)

Growth Management impacts

No Growth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	10,500,000				
	Total	10,500,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	250,000	250,000	5,000,000	250,000	5,000,000
	Total	250,000	250,000	5,000,000	250,000	5,000,000

Operating Impacts

No Operating Impact

SubProjects

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 3:02PM

Project Number: 30000376
Project Title: UW Bothell Major Infrastructure Projects

SubProjects

SubProject Number: 30000471
SubProject Title: UW Bothell Major Infrastructure Project-Ph1

Project Summary

The University of Washington will request \$10.5 million total in future biennia to invest in two major capital infrastructure projects on the UW Bothell campus. These projects, including expansion of the existing UW Bothell existing central plant; intra-campus vehicular, and pedestrian circulation storm water management improvements, and expansion of major utility distribution systems are essential in building an operational and cost-efficient foundation that will support the development of the campus as it grows to meet a target of 6,000 student FTE enrollment level. The intent of the major infrastructure projects is to approach infrastructure comprehensively and efficiently – to reduce water consumption, provide energy conservation, enhance operational efficiencies, and support green initiatives particularly storm water management as it relates to wetland restoration.

Location

City: Bothell

County: King

Legislative District: 001

Funding

		Expenditures			2011-13 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,250,000				
	Total	5,250,000	0	0	0	0

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	250,000	5,000,000		
	Total	250,000	5,000,000	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000472
SubProject Title: UW Bothell Major Infrastructure Project-Ph2

Project Summary

The University of Washington will request \$10.5 million total in future biennia to invest in two major capital infrastructure projects on the UW Bothell campus. These projects, including expansion of the existing UW Bothell existing central plant; intra-campus vehicular, and pedestrian circulation storm water management improvements, and expansion of major utility distribution systems are essential in building an operational and cost-efficient foundation that will support the development of the campus as it grows to meet a target of 6,000 student FTE enrollment level. The intent of the major infrastructure projects is to approach infrastructure comprehensively and efficiently – to reduce water consumption, provide energy conservation, enhance operational efficiencies, and support green initiatives particularly storm water management as it relates to wetland restoration.

Location

City: Bothell

County: King

Legislative District: 001

OFM

360 - University of Washington
 Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 3:02PM

Project Number: 30000376

Project Title: UW Bothell Major Infrastructure Projects

SubProjects

SubProject Number: 30000472

SubProject Title: UW Bothell Major Infrastructure Project-Ph2

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	5,250,000				
	Total	5,250,000	0	0	0	0

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State			250,000	5,000,000
	Total	0	0	250,000	5,000,000

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000376	30000376
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:04AM

Project Number: 20111002
Project Title: Hutchinson Hall Renovation

Description

Starting Fiscal Year: 2011
Project Class: Preservation
Agency Priority: 16

Project Summary

In 2013-15, the University of Washington will be requesting state funding of \$3,000,000 for the Pre Design/Design phase to renovate Hutchinson Hall. This building was constructed in 1927. It was constructed as an athletic facility for women students. Hutchinson Hall has been partially remodeled to serve as the home of the Drama Department. It also provides space for general assignment classrooms. This project is one of the fifteen buildings in the "Restore the Core" program of major building renovations described in the June 2004 UW Building Restoration and Renewal Prioritization Study. The UW Earthquake Readiness Advisory Committee (ERAC) Report, 1992, ranks Hutchinson Hall as a priority II building and indicates it should be seismically upgraded to better resist earthquakes. The mechanical, electrical, and communications infrastructure should be completely renewed. ADA access is severely limited due to the fact that this three story building has no elevator. To accommodate accessibility a new elevator and ADA compliant restrooms throughout the building will be installed.

Project Description

The University of Washington will be requesting state funds of \$3,000,000 for the Pre Design/Design phase to renovate Hutchinson Hall. This building is in dire need of major restoration to address significant disrepair, long overdue upgrades and safety and ADA issues. The mechanical, electrical, and communications infrastructure will be completely renewed. The building will be seismically upgraded to better resist earthquakes. This three story building has no elevator; to accommodate accessibility a new elevator and ADA compliant restrooms throughout the building will be installed.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropr.
057-1	State Bldg Constr-State	30,000,000				
	Total	30,000,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	3,000,000	27,000,000			
	Total	3,000,000	27,000,000	0	0	

Schedule and Statistics

Start Date End Date

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:04AM

Project Number: 20111002

Project Title: Hutchinson Hall Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2013	12/01/2013
Design	4/1/2014	10/1/2014
Construction	8/1/2015	2/1/2017

Total

Gross Square Feet:	55,164
Usable Square Feet:	0
Efficiency:	0.0%
Escalated MACC Cost per Sq. Ft.:	345
Construction Type:	Other Schedule B Projects
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	9.31%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	224,020	0.8%
Construction Documents	1,159,072	3.9%
Extra Services	530,348	1.8%
Other Services	859,746	2.9%
Design Services Contingency	290,884	1.0%
Consultant Services Total	3,064,071	10.2%
Maximum Allowable Construction Cost(MACC)	19,048,887	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	19,048,887	63.5%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	0	0.0%
Construction Contingencies	2,857,333	9.5%
Non Taxable Items	0	0.0%
Sales Tax	2,081,090	6.9%
Construction Contracts Total	23,987,310	80.0%
Equipment		
Equipment	746,945	2.5%
Non Taxable Items	0	0.0%
Sales Tax	70,960	0.2%
Equipment Total	817,905	2.7%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:04AM

Project Number: 20111002

Project Title: Hutchinson Hall Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	95,244	0.3%
Other Costs Total	442,447	1.5%
Project Management Total	1,593,003	5.3%
Grand Total Escalated Costs	<u>29,999,980</u>	
Rounded Grand Total Escalated Costs	30,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20111002	20111002
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 96
 Cost Estimate Title: Hutchinson Hall Aug 2010
 Version: 02 FINAL
 Project Number: 20111002
 Project Title: Hutchinson Hall Renovation
 Project Phase Title:

Report Number: CBS003
 Date Run: 9/2/2010 9:05AM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685.9963

Statistics

Gross Sq. Ft.: 55,164
 Usable Sq. Ft.: 0
 Space Efficiency: 0%
 MACC Cost per Sq. Ft.: 290
 Escalated MACC Cost per Sq. Ft.: 345
 Remodel? Yes
 Construction Type: Other Schedule B Projects
 A/E Fee Class: B
 A/E Fee Percentage: 9.31%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2013	12-2013
Design:	04-2014	10-2014
Construction:	08-2015	02-2017
Duration of Construction (Months):	18	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	224,020	
Construction Documents	1,159,072	
Extra Services	530,348	
Other Services	859,746	
Design Services Contingency	290,884	

0

Consultant Services Total

Site work	0	
Related Project Costs	0	
Facility Construction	19,048,887	
Construction Contingencies	2,857,333	
Non Taxable Items	0	
Sales Tax	2,081,090	

3,064,071

Construction Contracts Total

23,987,310

Maximum Allowable Construction Cost(MACC)

19,048,887

Equipment	746,945	
Non Taxable Items	0	
Sales Tax	70,960	

Equipment Total

817,905

Art Work Total

95,244

Other Costs Total

442,447

Project Management Total

1,593,003

Grand Total Escalated Costs

29,999,980

Rounded Grand Total Escalated Costs

30,000,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 96
Cost Estimate Title: Hutchinson Hall Aug 2010
Version: 02 FINAL
Project Number: 20111002
Project Title: Hutchinson Hall Renovation
Project Phase Title:

Report Number: CBS003
Date Run: 9/2/2010 9:05AM

Agency Preferred: Yes

Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 96 **Analysis Date:** August 07, 2008
Cost Estimate Title: Hutchinson Hall Aug 2010
Detail Title: Hutchinson Hall Aug 2010
Project Number: 20111002
Project Title: Hutchinson Hall Renovation
Project Phase Title:
Location: Seattle
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Statistics

Gross Sq. Ft.: 55,164
 Usable Sq. Ft.:
 Rentable Sq. Ft.:
 Space Efficiency:
 Escalated MACC Cost per Sq. Ft.: 345
 Escalated Cost per S. F. Explanation

Construction Type: Other Schedule B Projects
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 9.31%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years):
 Location Used for Tax Rate: Seattle
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2013	12-2013
Design:	04-2014	10-2014
Construction:	08-2015	02-2017
Duration of Construction (Months):	18	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 15,990,000
MACC (Escalated):	\$ 19,048,887
Current Project Total:	\$ 25,553,013
Rounded Current Project Total:	\$ 25,553,000
Escalated Project Total:	\$ 29,999,979
Rounded Escalated Project Total:	\$ 30,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	200,000			
SubTotal: Pre-Schematic Design Services		200,000	1.1201	224,020
<u>Construction Documents</u>				
A/E Basic Design Services	1,027,182			
SubTotal: Construction Documents		1,027,182	1.1284	1,159,072
<u>Extra Services</u>				
Civil Design (Above Basic Services)	20,000			
Geotechnical Investigation	15,000			
Commissioning (Systems Check)	50,000			
Site Survey	15,000			
Testing	80,000			
Leadership Energy & Environment Design List(LEED)	50,000			
Voice/Data Consultant	15,000			
Landscape Consultant	30,000			
Haz Mat Consultant	75,000			
Acoustical Consultant	25,000			
Graphics	5,000			
Interior Designer	50,000			
Quality Control Consultant	20,000			
Electronic Audio Visual	20,000			
SubTotal: Extra Services		470,000	1.1284	530,348
<u>Other Services</u>				
Bid/Construction/Closeout	461,487			
HVAC Balancing	25,000			
Construction Support	200,200			
Reimbursables	35,000			
SubTotal: Other Services		721,687	1.1913	859,746
<u>Design Services Contingency</u>				
Design Services Contingency	241,887			
Change Order Design Allowance	2,287			
SubTotal: Design Services Contingency		244,174	1.1913	290,884
Total: Consultant Services		2,663,043	1.1506	3,064,071
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	15,990,000			
SubTotal: Facility Construction		15,990,000	1.1913	19,048,887
Maximum Allowable Construction Cost (MACC)		15,990,000	1.1900	19,048,887
<u>Construction Contingencies</u>				
Management Reserve	799,500			
Allowance for Change Orders	1,599,000			
SubTotal: Construction Contingencies		2,398,500	1.1913	2,857,333
Sales Tax		1,746,908	1.1913	2,081,090
Total: Construction Contracts		20,135,408	1.1913	23,987,310
EQUIPMENT				
E10 - Equipment	277,000			
E20 - Furnishings	350,000			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
EQUIPMENT				
SubTotal:		627,000	1.1913	746,945
Sales Tax		59,565	1.1913	70,960
Total: Equipment		686,565	1.1913	817,905
ART WORK				
Total: Art Work		95,244	1.0000	95,244
OTHER COSTS				
Permits, Ins, Misc	379,750			
Total: Other Costs		379,750	1.1651	442,447
PROJECT MANAGEMENT				
Agency Project Management	1,593,003			
Total: Project Management		1,593,003	1.0000	1,593,003

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Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 96
Cost Estimate Title: Hutchinson Hall Aug 2010

Report Number: CBS003
Date Run: 9/2/2010 9:05AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20111002	20111002
Cost Estimate Number	96	96
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/30/2010 1:39PM

Project Number: 30000377

Project Title: College of Engineering Academic Building- Renovation

Description

Starting Fiscal Year: 2012
 Project Class: Preservation
 Agency Priority: 17

Project Summary

The University of Washington will request \$25 million in future biennia for renovation of an existing University of Washington building, in lieu of a new building, to serve as a College of Engineering Academic Building. The project anticipates a renovation of approximately 40,000 gross square feet in order to accommodate the academic needs of the growing UW College of Engineering. For the entering undergraduate class in fall quarter 2010, the University was only able to accept less than 50% of the qualified applicants in this high demand area. The project will provide additional engineering curriculum teaching laboratories, classroom and collaborative study areas, and highly flexible engineering projects and research work spaces to meet the increasing student demand for the engineering disciplines.

Project Description

This project will be the renovation of an existing University of Washington building, in lieu of a new building, to serve as a College of Engineering Academic Building. The project anticipates a renovation of approximately 40,000 gross square feet in order to accommodate the academic needs of the growing UW College of Engineering. The project will provide additional engineering curriculum teaching laboratories, classroom and collaborative study areas, and highly flexible engineering projects and research work spaces to meet the increasing student demand for the engineering disciplines. In 2009 approximately \$320,000 was expended in operations and maintenance support for a building of this size and age – a quality level of maintenance and operations costs relatively consistent over many years. This project will likely reduce the deferred maintenance backlog associated with this type of older building as well as restore the building - moving it from typically "fair" status to "superior" within the Facilities Inventory System.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

No Growth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropr	New Appropr
057-1	State Bldg Constr-State	25,000,000				
	Total	25,000,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	2,250,000	2,250,000			
	Total	2,250,000	22,750,000	0	0	

Schedule and Statistics

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/30/2010 1:39PM

Project Number: 30000377

Project Title: College of Engineering Academic Building- Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	11/01/2011	06/01/2012
Design	7/1/2013	6/1/2014
Construction	7/1/2015	1/1/2017

Total

Gross Square Feet:	43,000
Usable Square Feet:	26,800
Efficiency:	62.3%
Escalated MACC Cost per Sq. Ft.:	318
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	9.68%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	1,213,014	4.9%
Extra Services	522,665	2.1%
Other Services	485,101	1.9%
Design Services Contingency	234,251	0.9%
Consultant Services Total	2,455,031	9.8%
Maximum Allowable Construction Cost(MACC)	13,662,953	
Site work	1,358,888	5.4%
Related Project Costs	414,027	1.7%
Facility Construction	11,890,038	47.6%
GCCM Risk Contingency	591,250	2.4%
GCCM or Design Build Costs	1,383,525	5.5%
Construction Contingencies	1,712,851	6.9%
Non Taxable Items	0	0.0%
Sales Tax	1,648,306	6.6%
Construction Contracts Total	18,998,885	76.0%
Equipment		
Equipment	1,448,563	5.8%
Non Taxable Items	0	0.0%
Sales Tax	137,613	0.6%
Equipment Total	1,586,176	6.3%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/30/2010 1:39PM

Project Number: 30000377

Project Title: College of Engineering Academic Building- Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	68,315	0.3%
Other Costs Total	471,559	1.9%
Project Management Total	1,420,019	5.7%
Grand Total Escalated Costs	<u>24,999,985</u>	
Rounded Grand Total Escalated Costs	25,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000377	30000377
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 82
 Cost Estimate Title: UW College of Eng. Academic Bld. Renovation
 Version: 02 FINAL
 Project Number: 30000377
 Project Title: College of Engineering Academic Building- Renovation
 Project Phase Title:

Report Number: CBS003
 Date Run: 8/30/2010 2:27PM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685.9963

Statistics

Gross Sq. Ft.:	43,000
Usable Sq. Ft.:	26,800
Space Efficiency:	62%
MACC Cost per Sq. Ft.:	269
Escalated MACC Cost per Sq. Ft.:	318
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	9.68%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	11-2011	06-2012
Design:	07-2013	06-2014
Construction:	07-2015	01-2017
Duration of Construction (Months):	18	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	0	0
Construction Documents	1,213,014	
Extra Services	522,665	
Other Services	485,101	
Design Services Contingency	234,251	
		2,455,031

Consultant Services Total

Site work	1,358,888	
Related Project Costs	414,027	
Facility Construction	11,890,038	
Construction Contingencies	1,712,851	
Non Taxable Items	0	
Sales Tax	1,648,306	
		18,998,885

Construction Contracts Total

18,998,885

Maximum Allowable Construction Cost(MACC) 13,662,953

Equipment	1,448,563	
Non Taxable Items	0	
Sales Tax	137,613	
		1,586,176

Equipment Total

1,586,176

Art Work Total

68,315

Other Costs Total

471,559

Project Management Total

1,420,019

Grand Total Escalated Costs

24,999,985

Rounded Grand Total Escalated Costs

25,000,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 82
Cost Estimate Title: UW College of Eng. Academic Bld. Renovation
Version: 02 FINAL
Project Number: 30000377
Project Title: College of Engineering Academic Building- Renovation
Project Phase Title:

Report Number: CBS003
Date Run: 8/30/2010 2:27PM

Agency Preferred: Yes

Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 82 **Analysis Date:** August 25, 2010
Cost Estimate Title: UW College of Eng. Academic Bld. Renovation
Detail Title: Eng. Acad. Bld Ren Aug 2010
Project Number: 30000377
Project Title: College of Engineering Academic Building- Renovation
Project Phase Title:
Location: Seattle King County
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Statistics

Gross Sq. Ft.: 43,000
 Usable Sq. Ft.: 26,800
 Rentable Sq. Ft.:
 Space Efficiency: 62%
 Escalated MACC Cost per Sq. Ft.: 318
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 9.68%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years): 40
 Location Used for Tax Rate: Seattle King County
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	11-2011	06-2012
Design:	07-2013	06-2014
Construction:	07-2015	01-2017
Duration of Construction (Months):	18	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2010	

Project Cost Summary

MACC:	\$ 11,588,000
MACC (Escalated):	\$ 13,662,953
Current Project Total:	\$ 21,520,155
Rounded Current Project Total:	\$ 21,520,000
Escalated Project Total:	\$ 24,999,985
Rounded Escalated Project Total:	\$ 25,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Construction Documents</u>				
A/E Basic Design Services	1,097,750			
SubTotal: Construction Documents		1,097,750	1.1050	1,213,014
<u>Extra Services</u>				
Civil Design (Above Basic Services)	15,000			
Geotechnical Investigation	35,000			
Commissioning (Systems Check)	50,000			
Site Survey	8,000			
Testing	50,000			
Leadership Energy & Environment Design List(LEED)	20,000			
Voice/Data Consultant	30,000			
Hospital/Lab Consultant	45,000			
Interior Furnishings Consultant	35,000			
Document Reproduction	8,750			
Electronic/Audio Visual Consultant	40,000			
Renderings, Presentations and Models	2,500			
Specialty Consultants	133,750			
SubTotal: Extra Services		473,000	1.1050	522,665
<u>Other Services</u>				
Bid/Construction/Closeout	347,733			
HVAC Balancing	20,000			
Small Contracts (Attorney & DRB)	10,000			
As Builts	12,500			
Reimbursables	20,000			
SubTotal: Other Services		410,233	1.1825	485,101
<u>Design Services Contingency</u>				
Design Services Contingency	198,098			
SubTotal: Design Services Contingency		198,098	1.1825	234,251
Total: Consultant Services		2,179,081	1.1266	2,455,031
CONSTRUCTION CONTRACTS				
<u>Site work</u>				
G20 - Site Improvements	1,100,000			
Telecommunication Cable Plant	75,000			
SubTotal: Site work		1,175,000	1.1565	1,358,888
<u>Related Project Costs</u>				
Hazardous Materials Renovation and Removal	258,000			
Other	100,000			
SubTotal: Related Project Costs		358,000	1.1565	414,027
<u>Facility Construction</u>				
B10 - Superstructure	275,000			
B20 - Exterior Closure	120,000			
B30 - Roofing	400,000			
C10 - Interior Construction	1,860,000			
C30 - Interior Finishes	1,575,000			
D10 - Conveying	500,000			
D20 - Plumbing Systems	450,000			
D30 - HVAC Systems	2,000,000			
D40 - Fire Protection Systems	25,000			
D50 - Electrical Systems	2,400,000			
F10 - Special Construction	300,000			
F20 - Selective Demolition	150,000			
SubTotal: Facility Construction		10,055,000	1.1825	11,890,038

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
Maximum Allowable Construction Cost (MACC)		11,588,000	1.1800	13,662,953
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	500,000			
SubTotal: GCCM Risk Contingency		500,000	1.1825	591,250
<u>GCCM or Design Build Costs</u>				
GCCM Fee	300,000			
Bid General Conditions	400,000			
GCCM Preconstruction Services	220,000			
Negotiated Support Services	250,000			
SubTotal: GCCM or Design Build Costs		1,170,000	1.1825	1,383,525
<u>Construction Contingencies</u>				
Management Reserve	289,700			
Allowance for Change Orders	1,158,800			
SubTotal: Construction Contingencies		1,448,500	1.1825	1,712,851
Sales Tax		1,397,118	1.1798	1,648,306
Total: Construction Contracts		16,103,618	1.1798	18,998,885
EQUIPMENT				
E10 - Equipment	520,000			
E20 - Furnishings	425,000			
Moveable Equipment	280,000			
SubTotal:		1,225,000	1.1825	1,448,563
Sales Tax		116,375	1.1825	137,613
Total: Equipment		1,341,375	1.1825	1,586,176
ART WORK				
Total: Art Work		68,315	1.0000	68,315
OTHER COSTS				
Advertising	5,000			
Metro Connection Fee	10,000			
In Plant Services	26,200			
Utilities and Temporary Facilities	125,000			
Building and Other Permits	156,547			
Builders Risk	30,000			
Connectivity	55,000			
Total: Other Costs		407,747	1.1565	471,559
PROJECT MANAGEMENT				
Agency Project Management	1,420,019			
Total: Project Management		1,420,019	1.0000	1,420,019

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 82
Cost Estimate Title: UW College of Eng. Academic Bld. Renovation

Report Number: CBS003
Date Run: 8/30/2010 2:27PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000377	30000377
Cost Estimate Number	82	82
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington
Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/30/2010 12:28PM

Project Number: 30000379

Project Title: College of Arts & Sciences Academic Building- Renovation

Description

Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 21

Project Summary

The University of Washington will request \$48 million in future biennia for the renovation of an existing building for the College of Arts & Sciences. The project will extend the life of the building and provide academic space to support the College's growing educational mission. The College of Arts & Sciences faculty provides the vast majority of classes for undergraduate students. This renovation will provide additional classroom, seminar room, study areas and academic support spaces that will support the core educational curricula provided by the College to the undergraduate students at the UW Seattle campus. In 2009 approximately \$640,000 was expended in operations and maintenance support for a building of this size and age – a quality level of maintenance and operations costs relatively consistent over many years. This project will likely reduce the deferred maintenance backlog associated with this type of older building as well as restore the building - moving it from typically "fair" status to "superior" within the Facilities Inventory System.

Project Description

This project will be the renovation of an existing building for the College of Arts & Sciences. The renovation will extend the life of the building and provide academic space to support the College's growing educational mission. This renovation will provide additional classroom, seminar room, study areas and academic support spaces that will support the core educational curricula provided by the College to the undergraduate students at the UW Seattle campus. In 2009 approximately \$640,000 was expended in operations and maintenance support for a building of this size and age – a quality level of maintenance and operations costs relatively consistent over many years. This project will likely reduce the deferred maintenance backlog associated with this type of older building as well as restore the building - moving it from typically "fair" status to "superior" within the Facilities Inventory System.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

No Growth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	48,000,000				
	Total	48,000,000	0	0	0	0
Future Fiscal Periods						
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State			4,250,000	43,750,000	
	Total	0	0	4,250,000	43,750,000	

Schedule and Statistics

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/30/2010 12:28PM

Project Number: 30000379

Project Title: College of Arts & Sciences Academic Building- Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2015	06/01/2016
Design	7/1/2017	6/1/2019
Construction	7/1/2019	7/1/2021

	<u>Total</u>
Gross Square Feet:	79,500
Usable Square Feet:	52,900
Efficiency:	66.5%
Escalated MACC Cost per Sq. Ft.:	298
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	9.19%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	1,830,335	3.8%
Extra Services	798,720	1.7%
Other Services	870,229	1.8%
Design Services Contingency	527,174	1.1%
Consultant Services Total	4,026,458	8.4%
Maximum Allowable Construction Cost(MACC)	23,727,982	
Site work	1,334,243	2.8%
Related Project Costs	813,563	1.7%
Facility Construction	21,580,176	45.0%
GCCM Risk Contingency	1,072,640	2.2%
GCCM or Design Build Costs	3,519,600	7.3%
Construction Contingencies	2,974,062	6.2%
Non Taxable Items	0	0.0%
Sales Tax	2,972,957	6.2%
Construction Contracts Total	34,267,241	71.4%
Equipment		
Equipment	4,846,992	10.1%
Non Taxable Items	0	0.0%
Sales Tax	460,464	1.0%
Equipment Total	5,307,456	11.1%

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/30/2010 12:28PM

Project Number: 30000379

Project Title: College of Arts & Sciences Academic Building- Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	118,640	0.3%
Other Costs Total	1,788,995	3.7%
Project Management Total	2,491,199	5.2%
Grand Total Escalated Costs	<u><u>47,999,989</u></u>	
Rounded Grand Total Escalated Costs	48,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000379	30000379
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 81
 Cost Estimate Title: College of Art & Sciences Academic Bld.Renovation
 Version: 02 FINAL
 Project Number: 30000379
 Project Title: College of Arts & Sciences Academic Building- Renovation
 Project Phase Title:

Report Number: CBS003
 Date Run: 8/30/2010 12:24PM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 253.685.9963

Statistics

Gross Sq. Ft.:	79,500
Usable Sq. Ft.:	52,900
Space Efficiency:	67%
MACC Cost per Sq. Ft.:	223
Escalated MACC Cost per Sq. Ft.:	298
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	9.19%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2015	06-2016
Design:	07-2017	06-2019
Construction:	07-2019	07-2021
Duration of Construction (Months):	24	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	0	0
Construction Documents	1,830,335	
Extra Services	798,720	
Other Services	870,229	
Design Services Contingency	527,174	
Acquisition Costs Total		4,026,458

Consultant Services Total

Site work	1,334,243	
Related Project Costs	813,563	
Facility Construction	21,580,176	
Construction Contingencies	2,974,062	
Non Taxable Items	0	
Sales Tax	2,972,957	
Consultant Services Total		34,267,241

Construction Contracts Total

34,267,241

Maximum Allowable Construction Cost(MACC)	23,727,982	
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Equipment	4,846,992	
Non Taxable Items	0	
Sales Tax	460,464	
Construction Contracts Total		5,307,456

Equipment Total

5,307,456

Art Work Total

118,640

Other Costs Total

1,788,995

Project Management Total

2,491,199

Grand Total Escalated Costs

47,999,989

Rounded Grand Total Escalated Costs

48,000,000

Additional Details

Alternative Public Works Project:	Yes
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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number:	81	Report Number:	CBS003
Cost Estimate Title:	College of Art & Sciences Academic Bld.Renovation	Date Run:	8/30/2010 12:24PM
Version:	02 FINAL	Agency Preferred:	Yes
Project Number:	30000379		
Project Title:	College of Arts & Sciences Academic Building- Renovation		
Project Phase Title:			
Contact Info	Contact Name: Bruce Abe	Contact Number:	253.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 81 **Analysis Date:** August 24, 2010
Cost Estimate Title: College of Art & Sciences Academic Bld.Renovation
Detail Title: A&S Bld. Ren. Aug.2010
Project Number: 30000379
Project Title: College of Arts & Sciences Academic Building- Renovation
Project Phase Title:
Location: Seattle, King County
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 253.685.9963

Statistics

Gross Sq. Ft.: 79,500
 Usable Sq. Ft.: 52,900
 Rentable Sq. Ft.:
 Space Efficiency: 67%
 Escalated MACC Cost per Sq. Ft.: 298
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 9.19%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years): 40
 Location Used for Tax Rate: Seattle, King Count
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2015	06-2016
Design:	07-2017	06-2019
Construction:	07-2019	07-2021
Duration of Construction (Months):	24	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2010	

Project Cost Summary

MACC:	\$ 17,745,000
MACC (Escalated):	\$ 23,727,982
Current Project Total:	\$ 36,677,580
Rounded Current Project Total:	\$ 36,678,000
Escalated Project Total:	\$ 47,999,989
Rounded Escalated Project Total:	\$ 48,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Construction Documents</u>				
A/E Basic Design Services	1,450,000			
SubTotal: Construction Documents		1,450,000	1.2623	1,830,335
<u>Extra Services</u>				
Civil Design (Above Basic Services)	25,000			
Geotechnical Investigation	35,000			
Commissioning (Systems Check)	85,000			
Site Survey	18,500			
Testing	90,000			
Leadership Energy & Environment Design List(LEED)	35,000			
Voice/Data Consultant	11,850			
Landscape Consultant	15,600			
Interior Design/Furnishings Consultant	65,000			
GCCM Support/Selection Review	2,500			
Renderings, Presentations, and Models	2,500			
Electronic/Audio Visual Consultant	65,000			
Specialty Consultants	146,800			
Hazardous Materials Consultant	35,000			
SubTotal: Extra Services		632,750	1.2623	798,720
<u>Other Services</u>				
Bid/Construction/Closeout	505,537			
HVAC Balancing	45,000			
Staffing	30,000			
As Builts	18,500			
Small Contracts (Attorneys & DRB)	10,000			
Reimbursables	40,000			
SubTotal: Other Services		649,037	1.3408	870,229
<u>Design Services Contingency</u>				
Design Services Contingency	273,179			
Change Order Design Allowance	120,000			
SubTotal: Design Services Contingency		393,179	1.3408	527,174
Total: Consultant Services		3,124,966	1.2885	4,026,458
CONSTRUCTION CONTRACTS				
<u>Site work</u>				
G20 - Site Improvements	1,025,000			
SubTotal: Site work		1,025,000	1.3017	1,334,243
<u>Related Project Costs</u>				
Hazardous Materials Remediation and Removal	625,000			
SubTotal: Related Project Costs		625,000	1.3017	813,563
<u>Facility Construction</u>				
B10 - Superstructure	1,800,000			
B20 - Exterior Closure	240,000			
B30 - Roofing	875,000			
C10 - Interior Construction	1,360,000			
C30 - Interior Finishes	3,250,000			
D10 - Conveying	750,000			
D20 - Plumbing Systems	1,250,000			
D30 - HVAC Systems	2,100,000			
D40 - Fire Protection Systems	290,000			
D50 - Electrical Systems	2,900,000			
F10 - Special Construction	120,000			
F20 - Selective Demolition	780,000			
General Conditions	380,000			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
SubTotal: Facility Construction		16,095,000	1.3408	21,580,176
Maximum Allowable Construction Cost (MACC)		17,745,000	1.3400	23,727,982
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	800,000			
SubTotal: GCCM Risk Contingency		800,000	1.3408	1,072,640
<u>GCCM or Design Build Costs</u>				
GCCM Fee	650,000			
Bid General Conditions	875,000			
GCCM Preconstruction Services	350,000			
Negotiated Support Services	750,000			
SubTotal: GCCM or Design Build Costs		2,625,000	1.3408	3,519,600
<u>Construction Contingencies</u>				
Management Reserve	443,625			
Allowance for Change Orders	1,774,500			
SubTotal: Construction Contingencies		2,218,125	1.3408	2,974,062
Sales Tax		2,221,872	1.3380	2,972,957
Total: Construction Contracts		25,609,997	1.3380	34,267,241
EQUIPMENT				
E10 - Equipment	1,450,000			
E20 - Furnishings	1,675,000			
Movable Equipmant	490,000			
SubTotal:		3,615,000	1.3408	4,846,992
Sales Tax		343,425	1.3408	460,464
Total: Equipment		3,958,425	1.3408	5,307,456
ART WORK				
Total: Art Work		118,640	1.0000	118,640
OTHER COSTS				
Hazardous Material Remediation/Removal	625,000			
Advertising	5,000			
Metro Connection Fees	10,000			
Utilities/Temporary Facilities	50,000			
In Plant Services	50,000			
Building & Other Permits	249,353			
Connectivity	200,000			
Builders Risk	60,000			
Other	125,000			
Total: Other Costs		1,374,353	1.3017	1,788,995
PROJECT MANAGEMENT				
Agency Project Management	2,491,199			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
PROJECT MANAGEMENT				
Total: Project Management		2,491,199	1.0000	<u>2,491,199</u>

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 81
Cost Estimate Title: College of Art & Sciences Academic Bld.Renovation

Report Number: CBS003
Date Run: 8/30/2010 12:24PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000379	30000379
Cost Estimate Number	81	81
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 8:25AM

Project Number: 20111005
Project Title: Eagleson Hall Renovation

Description

Starting Fiscal Year: 2011
Project Class: Preservation
Agency Priority: 22

Project Summary

The University of Washington will request state funding of \$1,000,000 in 2017-19 for the Pre Design study and the Design phase of the renovation of Eagleson Hall. Constructed in 1922, Eagleson Hall is located at the corner of 15th Avenue NE and NE 42nd Street. Eagleson Hall is the home of the University's Speech and Hearing Sciences program. While the exterior facades appear to be in fair condition, the interior is clearly in need of major renovation. All major systems in Eagleson Hall should be improved and/or replaced and repairs to the exterior masonry cladding and ornamental trim pieces are needed. The building should be cleaned and tuck pointed to prevent water infiltration into the building interior. This project is one of the fifteen buildings in the "Restore the Core" program of major building renovations described in the June 2004 UW Building Restoration and Renewal Prioritization Study. This study includes a priority list of buildings in need of major restoration to address significant disrepair, long overdue upgrades and safety and ADA issues.

Project Description

The University of Washington will request state funding of \$1,000,000 in 2017-19 for the Pre Design and Design phase for the renovation of Eagleson Hall. Constructed in 1922, Eagleson Hall is the location of the University's Speech and Hearing Sciences program. The building structure and interior are in need of major renovation. All major systems in Eagleson Hall including heating, ventilation, plumbing, electrical, fire protection, and alarm systems, will be replaced. Repairs are also needed to the exterior masonry cladding and ornamental terra cotta trim pieces. The building will be cleaned and tuck pointed to prevent water infiltration into the building interior.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

N/A

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	12,000,000				
	Total	12,000,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				1,000,000	11,000,000
	Total	0	0	0	1,000,000	11,000,000

Schedule and Statistics

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 8:25AM

Project Number: 20111005

Project Title: Eagleson Hall Renovation

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2015	06/01/2016
Design	7/1/2017	3/1/2019
Construction	8/1/2019	6/1/2021

Total

Gross Square Feet:	18,966
Usable Square Feet:	0
Efficiency:	0.0%
Escalated MACC Cost per Sq. Ft.:	378
Construction Type:	Other Schedule B Projects
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	10.59%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	491,357	4.1%
Extra Services	544,354	4.5%
Other Services	419,080	3.5%
Design Services Contingency	169,881	1.4%
Consultant Services Total	1,624,672	13.5%
Maximum Allowable Construction Cost(MACC)	7,169,400	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	7,169,400	59.8%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	0	0.0%
Construction Contingencies	1,075,410	9.0%
Non Taxable Items	0	0.0%
Sales Tax	783,257	6.5%
Construction Contracts Total	9,028,067	75.2%
Equipment		
Equipment	199,150	1.7%
Non Taxable Items	0	0.0%
Sales Tax	18,919	0.2%
Equipment Total	218,069	1.8%

OFM

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 8:25AM

Project Number: 20111005

Project Title: Eagleson Hall Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	35,847	0.3%
Other Costs Total	302,541	2.5%
Project Management Total	790,797	6.6%
Grand Total Escalated Costs	<u><u>11,999,993</u></u>	
Rounded Grand Total Escalated Costs	12,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20111005	20111005
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 40
 Cost Estimate Title: Eagleson Hall
 Version: 02 FINAL
 Project Number: 20111005
 Project Title: Eagleson Hall Renovation
 Project Phase Title:

Report Number: CBS003
 Date Run: 9/2/2010 8:26AM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685.9963

Statistics

Gross Sq. Ft.: 18,966
 Usable Sq. Ft.: 0
 Space Efficiency: 0%
 MACC Cost per Sq. Ft.: 266
 Escalated MACC Cost per Sq. Ft.: 378
 Remodel? Yes
 Construction Type: Other Schedule B Projects
 A/E Fee Class: B
 A/E Fee Percentage: 10.59%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2015	06-2016
Design:	07-2017	03-2019
Construction:	08-2019	06-2021
Duration of Construction (Months):	22	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	0
Construction Documents	491,357
Extra Services	544,354
Other Services	419,080
Design Services Contingency	169,881

0

Consultant Services Total

Site work	0
Related Project Costs	0
Facility Construction	7,169,400
Construction Contingencies	1,075,410
Non Taxable Items	0
Sales Tax	783,257

1,624,672

Construction Contracts Total

9,028,067

Maximum Allowable Construction Cost(MACC)

7,169,400

Equipment	199,150
Non Taxable Items	0
Sales Tax	18,919

Equipment Total

218,069

Art Work Total

35,847

Other Costs Total

302,541

Project Management Total

790,797

Grand Total Escalated Costs

11,999,993

Rounded Grand Total Escalated Costs

12,000,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 40
Cost Estimate Title: Eagleson Hall
Version: 02 FINAL
Project Number: 20111005
Project Title: Eagleson Hall Renovation
Project Phase Title:

Report Number: CBS003
Date Run: 9/2/2010 8:26AM

Agency Preferred: Yes

Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2008
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 40 **Analysis Date:** August 07, 2008
Cost Estimate Title: Eagleson Hall
Detail Title: Eagleson Hall Aug 2008
Project Number: 20111005
Project Title: Eagleson Hall Renovation
Project Phase Title:
Location: Seattle
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Statistics

Gross Sq. Ft.: 18,966
 Usable Sq. Ft.:
 Rentable Sq. Ft.:
 Space Efficiency:
 Escalated MACC Cost per Sq. Ft.: 378
 Escalated Cost per S. F. Explanation

Construction Type: Other Schedule B Projects
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 10.59%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years):
 Location Used for Tax Rate: Seattle
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2015	06-2016
Design:	07-2017	03-2019
Construction:	08-2019	06-2021
Duration of Construction (Months):	22	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2008	

Project Cost Summary

MACC:	\$ 5,040,000
MACC (Escalated):	\$ 7,169,400
Current Project Total:	\$ 8,735,394
Rounded Current Project Total:	\$ 8,735,000
Escalated Project Total:	\$ 11,999,993
Rounded Escalated Project Total:	\$ 12,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Construction Documents</u>				
A/E Basic Design Services	368,278			
SubTotal: Construction Documents		368,278	1.3342	491,357
<u>Extra Services</u>				
Civil Design (Above Basic Services)	10,000			
Geotechnical Investigation	25,000			
Commissioning (Systems Check)	40,000			
Site Survey	15,000			
Testing	78,000			
Leadership Energy & Environment Design List(LEED)	50,000			
Voice/Data Consultant	10,000			
Landscape Consultant	30,000			
Haz Mat Consultant	75,000			
Acoustical Consultant	15,000			
Graphics	5,000			
Interior Designer	35,000			
Quality Control Consultant	10,000			
Electronic Audio Visual	10,000			
SubTotal: Extra Services		408,000	1.3342	544,354
<u>Other Services</u>				
Bid/Construction/Closeout	165,458			
Construction Support	100,000			
Reimbursables	29,150			
SubTotal: Other Services		294,608	1.4225	419,080
<u>Design Services Contingency</u>				
Design Services Contingency	107,089			
Change Order Design Allowance	12,335			
SubTotal: Design Services Contingency		119,424	1.4225	169,881
Total: Consultant Services		1,190,310	1.3649	1,624,672
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	5,040,000			
SubTotal: Facility Construction		5,040,000	1.4225	7,169,400
Maximum Allowable Construction Cost (MACC)		5,040,000	1.4200	7,169,400
<u>Construction Contingencies</u>				
Management Reserve	252,000			
Allowance for Change Orders	504,000			
SubTotal: Construction Contingencies		756,000	1.4225	1,075,410
Sales Tax		550,620	1.4225	783,257
Total: Construction Contracts		6,346,620	1.4225	9,028,067
EQUIPMENT				
E10 - Equipment	40,000			
E20 - Furnishings	100,000			
SubTotal:		140,000	1.4225	199,150
Sales Tax		13,300	1.4225	18,919

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
EQUIPMENT				
Total: Equipment		153,300	1.4225	<u>218,069</u>
ART WORK				
Total: Art Work		35,847	1.0000	<u>35,847</u>
OTHER COSTS				
Permits, Ins, Misc	218,520			
Total: Other Costs		218,520	1.3845	<u>302,541</u>
PROJECT MANAGEMENT				
Agency Project Management	790,797			
Total: Project Management		790,797	1.0000	<u>790,797</u>

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 40
Cost Estimate Title: Eagleson Hall

Report Number: CBS003
Date Run: 9/2/2010 8:26AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20111005	20111005
Cost Estimate Number	40	40
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 4:22PM

Project Number: 30000027

Project Title: Minor Works - Facility Preservation

Description

Starting Fiscal Year: 2010
Project Class: Preservation
Agency Priority: 23

Project Summary

This is a reappropriation request to complete the minor repair projects funded and started in the 2009-11 Biennium. These projects include repair projects such as: roofing; plumbing; mechanical; ventilation; exteroirs; and electrical systems. Also, addressed are Health, Safety, and code compliance proejects such as: fire sprinklers; alarm and suppression sytsem; asbestos removal; and ADA compliance. Infrastructure related projects are also funded and include: utilities; road improvements; and pedestrian improvement projects.

Project Description

These projects include repair projects such as: roofing; plumbing; mechanical; ventilation; exteroirs; and electrical systems. Also, addressed are Health, Safety, and code compliance proejects such as: fire sprinklers; alarm and suppression sytsem; asbestos removal; and ADA compliance. Infrastructure related projects are also funded and include: utilities; road improvements; and pedestrian improvement projects.

Scheduling some projects may be affected by academic calendar and prioritize usage of the building or project area. Therefore, the start and completion of a project may be extended or postponed. Repair/construction work during the academic calendar and/or when the area is used by students, faculty, staff and public may not always be suitable to a learning environment. Therefore, projects are carefully scheduled to accomodate and provide a safe environment.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

No Grwoth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapps	New Approps
057-1	State Bldg Constr-State	19,135,000		15,135,000	4,000,000	
064-1	UW Building Account-State	15,040,000		13,040,000	2,000,000	
Total		34,175,000	0	28,175,000	6,000,000	0

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
064-1	UW Building Account-State				
Total		0	0	0	0

Operating Impacts

OFM

360 - University of Washington
 Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 4:22PM

Project Number: 30000027

Project Title: Minor Works - Facility Preservation

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 92000005

SubProject Title: Fund Source Change

Project Summary

Location

City: Statewide

County: Statewide

Legislative District: 098

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State					
064-1	UW Building Account-State					
Total		0	0	0	0	0

Future Fiscal Periods

Acct Code	Account Title	2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
064-1	UW Building Account-State				
Total		0	0	0	0

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000027	30000027
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 2:45PM

Project Number: 30000022
Project Title: Safe Campus

Description

Starting Fiscal Year: 2010
Project Class: Preservation
Agency Priority: 24

Project Summary

In 2011-13, the University of Washington is requesting the reappropriation of state funding of \$1,000,000 to complete the upgrade and improvement of campus safety and fire systems. These funds will be used to complete the installation of a new campus communication system on the Seattle campus that will improve the response time to building emergencies including fire, explosion, hazardous material spill or release, bomb threat, power outage, and similar emergencies. The new system will provide "Mass Notification" via the building fire alarm speakers and provide a means to allow "Mass Ventilation" shutdown from a central location to avoid smoke/chemicals being brought into the buildings from the air intakes. The current system is very old (first patented in 1882) and utilizes telegraphic pulse transmissions through paired wires. The current system is beyond its initial useful life and does not provide the campus wide communications means for today's needs. The project will connect and set up communications over the campus fiber optic network and to the UW Police Department (UWPD) dispatch center. Once in place, the system will have the capability of receiving enhanced information about the incident, including the exact location and type of device initiating the alarm. In the connected buildings, the system will be used to send voice instructions, individually or in aggregate, from the UWPD dispatch center.

Project Description

These funds will be used to complete the installation of a new campus communication system on the Seattle campus that will improve the response time to building emergencies including fire, explosion, hazardous material spill or release, bomb threat, power outage, and similar emergencies. The new system will provide "Mass Notification" via the building fire alarm speakers and provide a means to allow "Mass Ventilation" shutdown from a central location to avoid smoke/chemicals being brought into the buildings from the air intakes. The project will connect and set up communications over the campus fiber optic network and to the UW Police Department (UWPD) dispatch center. Once in place, the system will have the capability of receiving enhanced information about the incident, including the exact location and type of device initiating the alarm. In the connected buildings, the system will be used to send voice instructions, individually or in aggregate, from the UWPD dispatch center.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure (Major Projects)

Growth Management impacts

No Growth Management Impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	8,000,000		7,000,000	1,000,000	
	Total	8,000,000	0	7,000,000	1,000,000	0
			Future Fiscal Periods			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	

OEM

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 2:45PM

Project Number: 30000022
Project Title: Safe Campus

Funding

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000022	30000022
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 4:33PM

Project Number: 20082852
Project Title: UW Tacoma-Soils Remediation

Description

Starting Fiscal Year: 2008
Project Class: Preservation
Agency Priority: 25

Project Summary

This is a re-appropriation to address soils remediation requirements. Remediation of hazardous materials in the soils of previously acquired parcels has moved forward through planning, estimating, and phased implementation. These funds will enable the University of Washington to implement and monitor the State of Ecology approved soils remediation plan at the Tacoma campus.

Project Description

Remediation of hazardous materials in the soils of previously acquired parcels has moved forward through planning, estimating, and phased implementation. In addition to utilizing state funds for soils remediation, additional funding applications are currently under review. These funds will enable the University of Washington to implement and monitor the State of Ecology approved soils remediation plan at the Tacoma campus.

Location

City: Tacoma County: Pierce Legislative District: 027

Project Type

Health, Safety and Code Requirements (Minor Works)

Growth Management impacts

See Growth Management Questionnaire in Tab C of the UW 2011-13 Capital Request

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
173-1	State Toxics Control-State	1,000,000			1,000,000	
	Total	1,000,000	0	0	1,000,000	0
Future Fiscal Periods						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
173-1	State Toxics Control-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20082852	20082852
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington
Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 4:31PM

Project Number: 30000470
Project Title: Infrastructure Savings

Description

Starting Fiscal Year: 2012
Project Class: Preservation
Agency Priority: 26

Project Summary

Projects that are completed may have remaining funds transferred to this appropriation for other preservation uses.

Project Description

Projects that are completed may have remaining funds transferred to this appropriation for other preservation uses.

Location

City: Seattle

County: King

Legislative District: 043

Growth Management impacts

No Growth Management impact

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	1				1
064-1	UW Building Account-State	1				1
Total		2	0	0	0	2
Future Fiscal Periods						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
064-1	UW Building Account-State					
Total		0	0	0	0	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000470	30000470
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 4:06PM

Project Number: 20082850
Project Title: Burke Museum Renovation

Description

Starting Fiscal Year: 2008
Project Class: Preservation
Agency Priority: 99

Project Summary

The University of Washington is not including the Burke Museum Renovation project in its 2011-13 Capital Request. The University's Office of Planning and Budgeting is acting as the agent of the Burke Museum, providing the state required submittals as advised by the Office of Financial Management. The Burke Museum is requesting \$5 million for the design of a renovation under its designation as the Washington State Museum of Natural History and Culture similar to the requests from the Washington State History Museum in Tacoma and the Northwest Museum of Arts and Culture in Spokane. The Burke Museum is the Washington State Museum responsible for the care of state collections of natural and cultural heritage. More than a century of dedication to this mission has resulted in nationally recognized collections, research, exhibits, education, and public programs across all disciplines of the museum. This project will ensure that the resources of the museum are protected, publicly accessible, and the facilities are adequate for meaningful public presentations. There is limited capacity in the current facility for existing and future collections and exhibits. The current facility does not provide or have adequate: climate controls; meeting facilities; public elevator; storage space for collections and traveling programs; exhibit space; work space; or adequate accessible amenities.

Project Description

The renovation of the Burke Museum will address current limitations and shortcomings of the facilities. The project will address pressing issues including, but not limited to the following: adequate climate controls to protect and preserve collections of natural and cultural heritage; facilities, such as exhibit, meeting, classroom, public program presentation, viewing and storage spaces, to provide appropriate security, space and access; and adequate storage and workshop space to support the museum's increasingly active creation of on-site and traveling exhibits and education resources. The project will include infrastructure, mechanical, electrical, seismic, life safety, and accessibility upgrades in the current museum building. This project is intended to enhance the visitor experience with new exhibit space and new opportunities to view and understand collections based-research in the museum. It will revitalize and renew the existing building to preserve, protect, and support research and public interactions with the collections. The building will provide an opportunity to educate visitors about protecting the natural and cultural heritage of the earth and will achieve Leadership in Energy and Environment Design (LEED) rating of gold or higher.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Remodel/Renovate/Modernize (Major Projects)
Special Programs

Growth Management impacts

See GMA Form

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	300,000		300,000		
252-7	HI Ed N-Prop Lcl Cap-Private/Local	17,500,000				

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 4:06PM

Project Number: 20082850
Project Title: Burke Museum Renovation

Funding

Total	17,800,000	0	300,000	0	0
Future Fiscal Periods					
	2013-15	2015-17	2017-19	2019-21	
057-1 State Bldg Constr-State					
252-7 HI Ed N-Prop Lcl Cap-Private/Local	17,500,000				
Total	17,500,000	0	0	0	

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	04/01/2009	05/01/2010
Design	7/1/2011	6/1/2013
Construction	10/1/2013	3/1/2015

	<u>Total</u>
Gross Square Feet:	70,319
Usable Square Feet:	48,450
Efficiency:	68.9%
Escalated MACC Cost per Sq. Ft.:	341
Construction Type:	Museums
Is this a remodel?	Yes
A/E Fee Class:	A
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	230,370	0.4%
Construction Documents	1,909,210	3.6%
Extra Services	1,177,767	2.2%
Other Services	956,997	1.8%
Design Services Contingency	631,833	1.2%
Consultant Services Total	4,906,178	9.4%
Maximum Allowable Construction Cost(MACC)	23,970,796	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	23,970,796	45.7%
GCCM Risk Contingency	580,265	1.1%
GCCM or Design Build Costs	3,408,773	6.5%

OFM

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/31/2010 4:06PM

Project Number: 20082850
Project Title: Burke Museum Renovation

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Construction Contracts		
Construction Contingencies	2,996,349	5.7%
Non Taxable Items	0	0.0%
Sales Tax	3,033,706	5.8%
Construction Contracts Total	33,989,889	64.7%
Equipment		
Equipment	5,000,000	9.5%
Non Taxable Items	0	0.0%
Sales Tax	490,000	0.9%
Equipment Total	5,490,000	10.5%
Art Work Total	80,471	0.2%
Other Costs Total	5,500,000	10.5%
Project Management Total	2,533,462	4.8%
Grand Total Escalated Costs	<u>52,500,000</u>	
Rounded Grand Total Escalated Costs	52,500,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20082850	20082850
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 72
 Cost Estimate Title: Burke Museum Renovation June 2010

Report Number: CBS003
 Date Run: 8/27/2010 4:21PM

Version: 02 FINAL
 Project Number: 20082850
 Project Title: Burke Museum Renovation
 Project Phase Title:

Agency Preferred: Yes

Contact Info Contact Name: Randy Everett Contact Number: 206.543.8776

Statistics

Gross Sq. Ft.:	70,319
Usable Sq. Ft.:	48,450
Space Efficiency:	69%
MACC Cost per Sq. Ft.:	302
Escalated MACC Cost per Sq. Ft.:	341
Remodel?	Yes
Construction Type:	Museums
A/E Fee Class:	A
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	04-2009	05-2010
Design:	07-2011	06-2013
Construction:	10-2013	03-2015
Duration of Construction (Months):	17	

Cost Summary Escalated

Acquisition Costs Total		0
Pre-Schematic Design Services		230,370
Construction Documents		1,909,210
Extra Services		1,177,767
Other Services		956,997
Design Services Contingency		631,833
Consultant Services Total		4,906,178
Site work		0
Related Project Costs		0
Facility Construction		23,970,796
Construction Contingencies		2,996,349
Non Taxable Items		0
Sales Tax		3,033,706
Construction Contracts Total		33,989,889
Maximum Allowable Construction Cost(MACC)	23,970,796	
Equipment		5,000,000
Non Taxable Items		0
Sales Tax		490,000
Equipment Total		5,490,000
Art Work Total		80,471
Other Costs Total		5,500,000
Project Management Total		2,533,462
Grand Total Escalated Costs		52,500,000
Rounded Grand Total Escalated Costs		52,500,000

Additional Details

Alternative Public Works Project: Yes

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 72
Cost Estimate Title: Burke Museum Renovation June 2010

Report Number: CBS003
Date Run: 8/27/2010 4:21PM

Version: 02 FINAL
Project Number: 20082850
Project Title: Burke Museum Renovation
Project Phase Title:

Agency Preferred: Yes

Contact Info **Contact Name:** Randy Everett **Contact Number:** 206.543.8776

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

OFM

360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 72 **Analysis Date:** June 29, 2010
Cost Estimate Title: Burke Museum Renovation June 2010
Detail Title: Burke June 2010
Project Number: 20082850
Project Title: Burke Museum Renovation
Project Phase Title:
Location: Seattle, King County
Contact Info **Contact Name:** Randy Everett **Contact Number:** 206.543.8776

Statistics

Gross Sq. Ft.: 70,319
 Usable Sq. Ft.: 48,450
 Rentable Sq. Ft.:
 Space Efficiency: 69%
 Escalated MACC Cost per Sq. Ft.: 341
 Escalated Cost per S. F. Explanation

Construction Type: Museums
 Remodel? Yes
 A/E Fee Class: A
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years): 40
 Location Used for Tax Rate: Seattle, King Count
 Tax Rate: 9.80%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	04-2009	05-2010
Design:	07-2011	06-2013
Construction:	10-2013	03-2015
Duration of Construction (Months):	17	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 21,269,562
MACC (Escalated):	\$ 23,970,796
Current Project Total:	\$ 47,167,246
Rounded Current Project Total:	\$ 47,167,000
Escalated Project Total:	\$ 52,499,999
Rounded Escalated Project Total:	\$ 52,500,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	223,119			
SubTotal: Pre-Schematic Design Services		223,119	1.0325	230,370
<u>Construction Documents</u>				
A/E Basic Design Services	1,797,411			
SubTotal: Construction Documents		1,797,411	1.0622	1,909,210
<u>Extra Services</u>				
Civil Design (Above Basic Services)	60,000			
Geotechnical Investigation	45,000			
Commissioning (Systems Check)	60,000			
Site Survey	50,000			
Testing	85,000			
Leadership Energy & Environment Design List(LEED)	170,000			
Voice/Data Consultant	25,000			
Environmental Mitigation Services (EIS)	100,000			
Landscape Consultant	40,000			
Specialty Consultants	235,000			
Document Reproduction	70,000			
GC/CM Selection Process/Review	5,000			
Graphics	20,000			
Permit Expeditor	15,000			
Renderings, Presentations & Models	20,000			
Other	108,800			
SubTotal: Extra Services		1,108,800	1.0622	1,177,767
<u>Other Services</u>				
Bid/Construction/Closeout	734,154			
Staffing	75,000			
As Builts	10,000			
Cost & Schedule Consultant	20,000			
Small Contract (Attorneys, DRB)	10,000			
SubTotal: Other Services		849,154	1.1270	956,997
<u>Design Services Contingency</u>				
Design Services Contingency	397,848			
Change Order Design Allowance	162,785			
SubTotal: Design Services Contingency		560,633	1.1270	631,833
Total: Consultant Services		4,539,117	1.0809	4,906,178
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	21,269,562			
SubTotal: Facility Construction		21,269,562	1.1270	23,970,796
Maximum Allowable Construction Cost (MACC)		21,269,562	1.1300	23,970,796
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	514,876			
SubTotal: GCCM Risk Contingency		514,876	1.1270	580,265
<u>GCCM or Design Build Costs</u>				
GCCM Fee	913,132			
Bid General Conditions	850,721			
GCCM Preconstruction Services	402,389			
Negotiated Support Services	858,401			
SubTotal: GCCM or Design Build Costs		3,024,643	1.1270	3,408,773
<u>Construction Contingencies</u>				

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
Management Reserve	531,739			
Allowance for Change Orders	2,126,956			
SubTotal: Construction Contingencies		2,658,695	1.1270	2,996,349
Sales Tax		2,691,842	1.1270	3,033,706
Total: Construction Contracts		30,159,618	1.1270	33,989,889
EQUIPMENT				
E10 - Equipment	433,277			
E20 - Furnishings	433,280			
F10 - Special Construction	3,570,000			
SubTotal:		4,436,557	1.1270	5,000,000
Sales Tax		434,783	1.1270	490,000
Total: Equipment		4,871,340	1.1270	5,490,000
ART WORK				
Higher Ed Artwork	119,851			
Artwork Correction	(39,383)			
Total: Art Work		80,471	1.0000	80,471
OTHER COSTS				
Mitigation Costs	20,000			
Permits & Fees	270,000			
Connectivity	158,000			
In Plant Services	177,000			
Temporary Facilities	619,500			
Builders Risk	73,788			
Capitalized Operating Expense	3,625,950			
Financing Costs	39,000			
Total: Other Costs		4,983,238	1.1037	5,500,000
PROJECT MANAGEMENT				
Agency Project Management	2,963,611			
PM Fee Correction	(474,599)			
Pre Active Project Management	44,450			
Total: Project Management		2,533,462	1.0000	2,533,462

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 72**Report Number:** CBS003**Cost Estimate Title:** Burke Museum Renovation June 2010**Date Run:** 8/27/2010 4:21PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20082850	20082850
Cost Estimate Number	72	72
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**



Denny Hall, completed in 1895, is the oldest building on the UW campus

Summary

Through investments spanning over 125 years, the value of state-supported buildings at the University of Washington now totals approximately six billion dollars. Preserving and extending the life these public assets is the foundation of a cost effective and environmentally forward-looking University of Washington Ten-Year Capital Plan. The largest component of the University's 2011-2013 Capital Budget Request is the proposed efficient reuse and enhancement of our existing space and infrastructure.

According to the Washington State Office of Financial Management's Comparable Framework Study Update 2010, the average age of a University of Washington facility is 47 years. The normal life expectancy for major systems such as mechanical, electrical, and roofing, is approximately 30 years. Due to the limits of funding availability, the replacement of many of these systems has been deferred – creating a significant and growing backlog of capital asset repair. The UW's 2011-2013 Capital Budget Request and Ten-Year Capital Plan presents our recommended strategy for reducing our significant backlog of deferred maintenance by increasing the investment in minor capital repairs and continuing the investment in major building renovations.

The UW Plan's emphasis on Minor Repairs and Renewal of existing buildings and infrastructure represents acknowledgement of OFM's Comparable Framework Study Update 2010, our careful assessment of the UW capital assets, and mutual agreement on the critical need to reverse the deterioration of a wide range of buildings and infrastructure on the UW Seattle campus. The majority of major capital requests target the renovation of aging building and infrastructure. Over 75% of the

University of Washington 2011-13 Backlog Reduction Plan/Facility Assessment

University's 2011-2013 State Capital Request is directed towards backlog reduction and renewal projects.

Assessments taken from the Comparable Framework Study Update 2010 of state-owned educational and general buildings at the University of Washington (UW Seattle, UW Tacoma, and UW Bothell campuses) identifies a current total of \$795,000,000 in preservation backlog. The Comparable Framework analysis limits itself to repair/replacement and does not include renewal projects that address the costs of building code or other mandated life-safety improvements, nor does the preservation backlog total include the significant costs of renewal of the infrastructure between buildings. The UW Ten-Year Capital Plan includes both code-required and infrastructure repairs and improvements in a cost-effective integrated strategy over time.

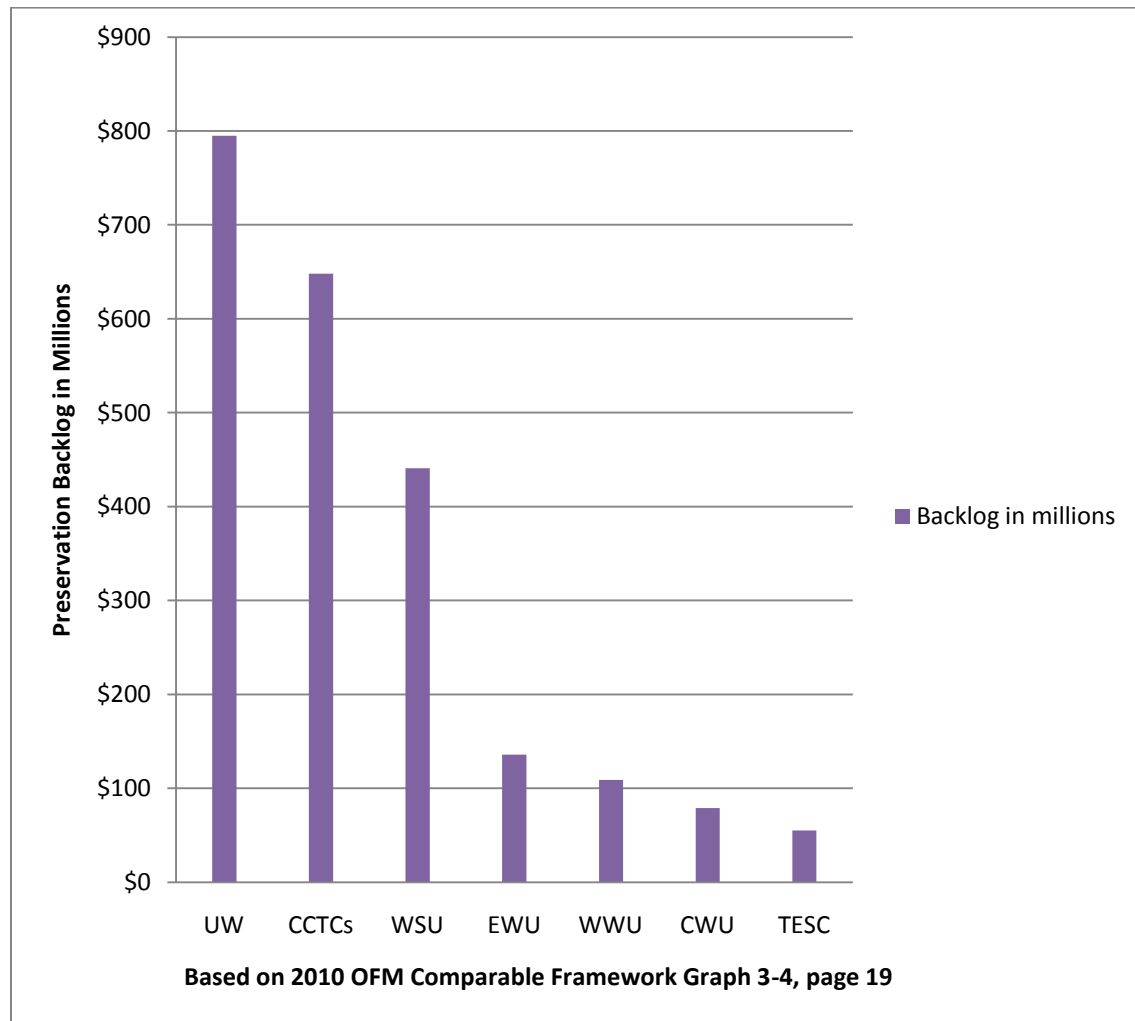
The process of transitioning towards the backlog reduction assessment program recommended in the Comparable Framework Study Update 2010 has begun at the University of Washington. In 2011-2013, the UW intends to accelerate the development of a more comprehensive and robust modeling tool for backlog reduction strategies. The University also wants to work with OFM in an effort to include the preservation and renewal of infrastructure between buildings into future Comparable Framework condition surveys, as all higher education institutions will increasingly rely on infrastructure improvements as a strategy to create more operationally cost effective and sustainable life cycle strategies to reduce costs.

The Ten-Year Capital Plan will significantly and cost-effectively reduce the deferred maintenance backlog, improve the condition and extend the life of the buildings, enhance health and safety, contribute to meeting sustainability and efficiency goals, and increase academic quality through the preservation of deteriorated facilities and modernization of facilities that are programmatically deficient. Our ten-year state capital funding request plan prioritizes a partnership with the State of Washington in backlog reduction and renewal projects.

The Challenge for the University of Washington

According to Comparable Framework Study Update 2010, the University of Washington has the largest number of older buildings and the largest preservation backlog of all higher education institutions including the combined total of all Community College and Technical Colleges (CCTCs).

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**



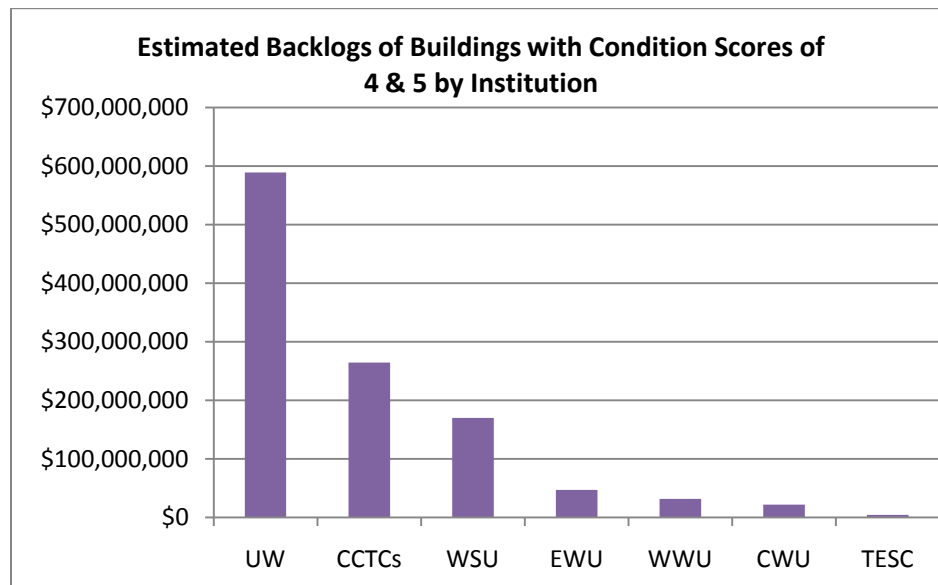
Comparable Framework Study Update 2010 utilizes a Condition Score and Condition Class criterion using numbers 1 -5. Score No. 5 represents the worst condition and No. 1 the best condition. From the Framework:

Condition Score 4 – Needs Improvement – Limited Functionality: A building with some major systems that are in poor condition, exceed expected life cycles, and require immediate attention to prevent or mitigate impacts on function.

Condition Score 5 – Needs Improvements – Marginal Functionality: A building with some major systems that are failing and significantly restrict continued use of the building.

The University of Washington has by far the greatest numbers of buildings with Condition Scores of 4 and 5 in the Comparable Framework Study Update 2010:

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**



Based on 2010 OFM Comparable Framework Graph 3-6, page 22

A UW Seattle campus map with all buildings color-coded to their Comparable Framework Study Update 2010 building condition class is included as an attachment in this section of the Capital Request. Recent capital investment levels have not been sufficient to keep pace with ongoing preservation needs and therefore the backlog has increased. The Comparable Framework Study Update 2010 states there was an increase of \$36,145,000 in the estimated preservation backlog between 2008 and 2010 at the University of Washington. This deterioration amplifies a negative trend that has been progressing over many biennia and is the basis for our request to begin to reduce the backlog.

Because the Comparable Framework Study Update 2010 does not include infrastructure between buildings, the actual capital costs of the backlog for the University of Washington and those higher education institutions with central energy and chilled water facilities with distribution networks cost-effectively serving a wide range of buildings is even greater. The University completed a Utilities Master Plan in 2006, and began a process in March 2010 with a University Provost-charged work group, which is now updating the Infrastructure Master Plans for all UW campuses. These efforts have brought to light the critical importance of including infrastructure in an integrated backlog reduction plan.

The UW Climate Action Plan, completed in September 2009, commits the UW to achieving the same greenhouse gases reduction goals as the state. (See the Governor's Executive Order 09-05 and the UW's Climate Action Plan (CAP) at <http://f2.washington.edu/oess/uw-climate-action-plan>). Because the largest share of greenhouse gases emissions results from the energy demands of existing buildings, CAP goals are unachievable without maintaining and making existing buildings and infrastructure more efficient.

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**

Why An Increased Funding Request in 2011-2013?

Although the backlog is large, the UW's 2011-13 Capital Budget Request prioritizes investment on the projects that will reverse the trend of building deterioration. The requested increase in state and appropriated UW building fee support for Minor Repairs request in the next biennium and over the next decade will support preservation and renewal projects in building and infrastructure systems – particularly those most likely to contribute to increasing even more the number of UW Condition No. 4 and 5 buildings.

Although comprehensive building renovation requests for buildings like Denny Hall, Odegaard Undergraduate Learning Center, Anderson Hall, Lewis Hall and Miller Hall are an extremely cost effective way to renew and reuse UW buildings, this Minor Repairs request systematically solves an even wider range of time-critical life safety, utility system, programmatic and accessibility conditions which, unless solved, result in a reduction of our existing space because it is unusable or unsafe. Expansion of Minor Repairs funding is key to turning around the worsening conditions in a systematic way for the University of Washington.

Numerous buildings can offer many more years of service with preservation improvements to their roofs, building shell, or plumbing systems. For example, many opportunities exist to maintain and renew existing building mechanical systems to improve their efficiency, thereby increasing the productivity of the occupants, lowering utility bills, and lowering carbon emissions. Targeted ongoing preservation and renewal projects increases the useful life of a building, extending the time until more costly and disruptive replacement or total renovation projects are necessary.

This multi-pronged approach that addresses preservation backlog in a wide range of buildings from increased funding of the Minor Repair program, in strategic association over time with funding for individual comprehensive building renovations, addresses the problem in a cost-effective manner. This dual strategy, we believe, is an effective and responsible strategy for the use of the public's resources to preserve and enhance the immensely valuable investment the public has already made in the buildings and infrastructure at the University of Washington.

Collaborative Funding for Backlog Reduction and Renewal Projects

UW Building Account and State Funding: The UW proposes partnering with the State of Washington on the goal of more than doubling Minor Repairs funding over the 2009-11 level by requesting the allocation of its entire available projected building fee for this purpose. Through use of our projection of approximately \$47,800,000 from the UW's Building Account with the UW's State Minor Repair request of \$61,150,000, a total of \$108,950,000 would be available to address the maintenance backlog and renewal challenges. The request represents a significant increase over the previous biennium's state

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**

funding. Over the next three biennia, we project that Minor Repairs funding from the UW's Building Account gradually increases while our request for state funding decreases.

Federal and State Energy Grants: The UW is stepping up its efforts to obtain capital grants, especially for energy efficiency projects. For example, the UW recently secured \$5,000,000 in funding from the U.S. Department of Energy and \$1,000,000 in utility rebates and from other third party sources to leverage its own investment for installing a smart grid on campus. Smart grids are electrical systems that track exactly how much power is being used at any given time to let the University view and manage consumption. This project will replace aging electrical equipment and install meters where none exist. The smart grid will provide data for building condition assessments and help determine where to best make the most cost effective energy efficiency investments. Another grant of \$2,210,000 obtained from the Washington State Department of Commerce will replace aging and inefficient heating system controls in the Odegaard Undergraduate Learning Center and Loew Hall along with other improvements. Both of these grants help contribute to backlog reduction. The grant supporting the Odegaard Learning Center allows us to do more with the funds requested in 2011-2013 for the Odegaard Learning Center Phase I project towards energy conservation and enhanced space utilization.

Energy Saving Performance Contract (ESCO) Energy and utility conservation projects are financed from UW general revenue bonds or the State Department of General Administration ESCO program. The loans are repaid from the resulting utility cost savings. From 2004 to 2008, the UW has completed twelve ESCO projects, totaling \$14,000,000 in capital improvements (\$9,700,000 funded by ESCO loans, \$1,800,000 by Seattle City Light rebate incentives, \$2,500,000 by state and local funding) saving more than 10 million kilowatt hours of electricity annually, saving \$1,000,000 in deferred utility costs and approximately \$100,000 in avoided maintenance costs. In the current 2009-11 biennium, the UW is in the process of completing three additional ESCO projects totaling approximately \$6,000,000 in capital improvements saving an additional 8 million kilowatt hours of electricity annually. The large majority of these projects replace aging equipment thereby also contributing to our preservation backlog reduction goals.

Preservation Backlog Reduction and Renewal Projects - Summary

For maximum cost efficiency the UW combines preservation backlog reduction projects with renewal projects. For example, during a major renovation project, replacing a sixty-year-old heating system is defined as a backlog reduction project while adding an elevator to a building where none had existed is defined as a renewal project. It would not be cost effective to do one without the other and including renewal needs is often a building code requirement. Similarly, for a minor repair project, it is often more cost effective to upgrade all utilities in an area while it is being demolished and rebuilt.

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**

Renewal projects are often necessary to make building functional for modern research and teaching. For example, communications upgrades are considered renewal projects but a building would not meet functional needs without modern communications systems.

OFM's Comparable Framework Study Update 2010 estimates the UW's current preservation backlog at about \$795,000,000. The UW Facilities Services estimates the total cost of renewal projects is \$969,000,000. The combined total estimate to bring all of the UW's existing buildings up to modern standards is \$1,764,000,000. Additional funds are needed to address aging infrastructure between buildings.

Infrastructure Preservation

OFM's Comparable Framework Study Update 2010 includes the preservation backlog costs for buildings but omits the cost of preserving the infrastructure between buildings and key infrastructure related facilities like the power plants, utility tunnels, sewer systems and communication fiber networks. Preserving the value and functionality of the infrastructure is equally important to preserving buildings. The UW Minor Request list includes numerous critical infrastructure backlog reduction and renewal projects.

The second priority for the University of Washington is the High Voltage Infrastructure Improvement Project. The University has observed an accelerated pace of existing high-voltage cable obsolescence and unreliable performance including three near-major-catastrophic failures in the past five years at key areas of the campus. This infrastructure preservation project will provide a much more reliable, up-to-date, safe, and code compliant high voltage cable, transformers, and switchgear to mitigate such potential events in future. Assessments are ongoing to identify the preservation backlog and renewal needs for infrastructure systems.

Facility Condition Auditing and Maintenance Planning

The University of Washington is in transition from a facilities condition audit tracking system called "FacMan" (Facilities Management) to the qualitative, systems-based condition reporting approach recommended in the 2010 Comparable Framework Report.

Currently a number of facilities were audited and scored with the same systems-based condition survey as used for the comparable framework audits. The remaining buildings were scored using the comparable framework format with whole building scores 1-5, by translating various building condition studies and reports as well as previous Comparable Framework conclusions to substantiate the results.

University of Washington 2011-13 Backlog Reduction Plan/Facility Assessment

Backlog items are input when maintenance employees familiar with UW Seattle buildings recognize critical need, the cyclic renewal schedule flags systems at the end of their useful life, or buildings undergo a complete audit. Items are removed once backlog is addressed or funded to proceed. Facilities Services continually reviews backlog lists and performs annual, comprehensive reviews to ensure items accurately reflect current campus conditions. In some cases, technical or specialized facilities, such as science labs or electrical vaults, are more specifically evaluated.

As part of operations, Facilities Services also performs daily building maintenance and manages a preventive maintenance program to maintain facilities and systems and help curb future backlog.

The UW is committed to working with the Washington State Office of Financial Management to implement the comparable framework approach to facility auditing, project prioritization, and cost estimating. The preservation and renewal of infrastructure between buildings is a critical component to add to future Comparable Framework condition surveys. Also important is a mutual understanding of the importance of integrating building and infrastructure renewal needs with maintenance backlog reduction efforts in a comprehensive preservation program.

The University of Washington On-Going Maintenance Performance

UW Facilities Services has a robust and efficient operation and maintenance program which assists management of maintenance backlog growth although it does not by itself solve the growth challenge. A computerized maintenance management system is used to schedule preventive maintenance and inspections of facilities and building equipment. In addition to performing routine maintenance which prolongs the life of the facilities and equipment, corrective maintenance and repairs are performed in order to avert degradation of facilities or failure of equipment. In fiscal year 2010, Facilities Services expended approximately \$22 million from operating funds for on-going maintenance.

Backlog Reduction Prioritization Process

The Minor Repair preservation prioritization process flows out of the ongoing facility condition auditing and maintenance planning described above. Capital Resource Planning personnel in the Office of Planning & Budgeting work in conjunction with representatives from Facilities Services, Environmental Health and Safety, and UW Information Technology to evaluate proposed projects. The Capital Projects Office provides additional technical assistance. Projects are reviewed and weighted with respect to such factors as backlog reduction, health, facility renewal, safety, security, protection of the campus environment, the promotion of effective and economical ongoing operations, and alignment with strategic goals.

The Major Capital Request preservation prioritization process is also grounded in the facility condition auditing process. The size and complexity of major capital projects involves additional information

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**

gathering and prioritization approval steps. Discussions with University Deans and other key academic leaders are often included because major building renovations create a unique opportunity for more significant academic program adjustments. The core principal is the cost efficient integration of a wide range of planning goals including but not limited to backlog reduction.

The UW has followed a disciplined program of major building renovations to make progress towards reducing the backlog of preservation and renewal needs. One primary source in that process is the *2004 Building Restoration and Renewal Prioritization Study* also known as the “Restore the Core” plan. Because major building renovations usually require moving the occupants during the construction phase, consideration is give to cost-efficient surge location options. Proposed capital plans are reviewed and approved by the Vice Provost for Planning & Budgeting, the Provost, the President, and the UW Board of Regents.

The UW’s Backlog Reduction Plan Outline

The UW’s backlog reduction plan includes the following components:

- Continued leveraged investment in Energy Saving Performance Contract (ESCO) and Energy Conservation and Innovation grant opportunities.
- Continual Review and Assessment Program
- Minor Works Capital Requests
 - 2011-13 Minor Works Capital Budget Request total \$108,950,000
 - Minor Repair request of \$61,150,000
 - UW’s Building Fee Account \$47,800,000
 - Six-year Minor Repair Capital Budget Request projection: Similar levels of funding are requested with increasing share provided by UW’s Building Account.
 - Funding Groups: (See Preservation projects for Group Descriptions)
 - Building Repair and Renewal
 - Mechanical and Electrical Systems Repair and Renewal
 - Fire and Life Safety Improvements
 - Data and Communications Infrastructure Improvements
 - Utilities and Site work Repair and Replacement.
 - Roads and Pathways Repair and Renewal
 - Contingency Projects for Emergency Repairs
- Major Capital Renovation projects
 - 2011-2013
 - Design & Const. High Voltage Upgrades
 - Construction Denny Hall
 - Design & Const. Odegaard Undergraduate Learning Center Phase 1
 - Design Anderson Hall
 - Design & Const. Lewis Hall
 - Pre Design/Design Miller Hall

**University of Washington
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- 2013-2015
 - Construction Anderson Hall
 - Construction Miller Hall
 - Design & Const. Seattle Campus Infrastructure-Multiple
 - Design & Const. Odegaard Undergraduate Learning Center Phase 2
 - Pre Design Tacoma Campus Infrastructure-Multiple
 - Pre Design Bothell Campus Infrastructure-Multiple
 - Design Hutchinson Hall
 - Design Engineering Academic Building

- 2015-2017
 - Design & Const. Seattle Campus Infrastructure-Multiple
 - Design & Const. Tacoma Campus Infrastructure-Multiple
 - Design & Const. Bothell Campus Infrastructure-Multiple
 - Construction Hutchinson Hall
 - Construction Engineering Academic Building
 - Construction Miller Hall

- 2017-2019
 - Design & Const. Seattle Campus Infrastructure-Multiple
 - Design & Const. Tacoma Campus Infrastructure-Multiple
 - Pre Design Bothell Campus Infrastructure-Multiple
 - Design Arts & Sciences Academic Building
 - Design Eagleson Hall

- 2019-2021
 - Design & Const. Seattle Campus Infrastructure-Multiple
 - Design & Const. Tacoma Campus Infrastructure-Multiple
 - Design & Const. Bothell Campus Infrastructure-Multiple
 - Construction Arts & Sciences Academic Building
 - Construction Eagleson Hall

**University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment**

Attachment A: Back Log Reduction Plan

Institutional Profile Information from the Office of Financial Management's Comparable Framework Study Update 2010 – (Note: Does not include Infrastructure)

SUMMARY	
Total Number of Owned Buildings	519
Total Amount of Owned Space (Gross Square Feet - GSF)	18,979,151
Total Number of State Capital-Supported Buildings over 1,999 GSF	225
Total Amount of State Capital-Supported Space over 1,999 GSF	12,862,052
State Capital Supported Space as % of Total Space	68%
Estimated Current Replacement Value (CRV) *	\$5,909,864,236
Average Building Age *	47 Years
Average Building Condition Score *	2.26
Estimated Total Preservation Backlog *	\$794,845,796
Facility Condition Index (FCI) *	13.45%

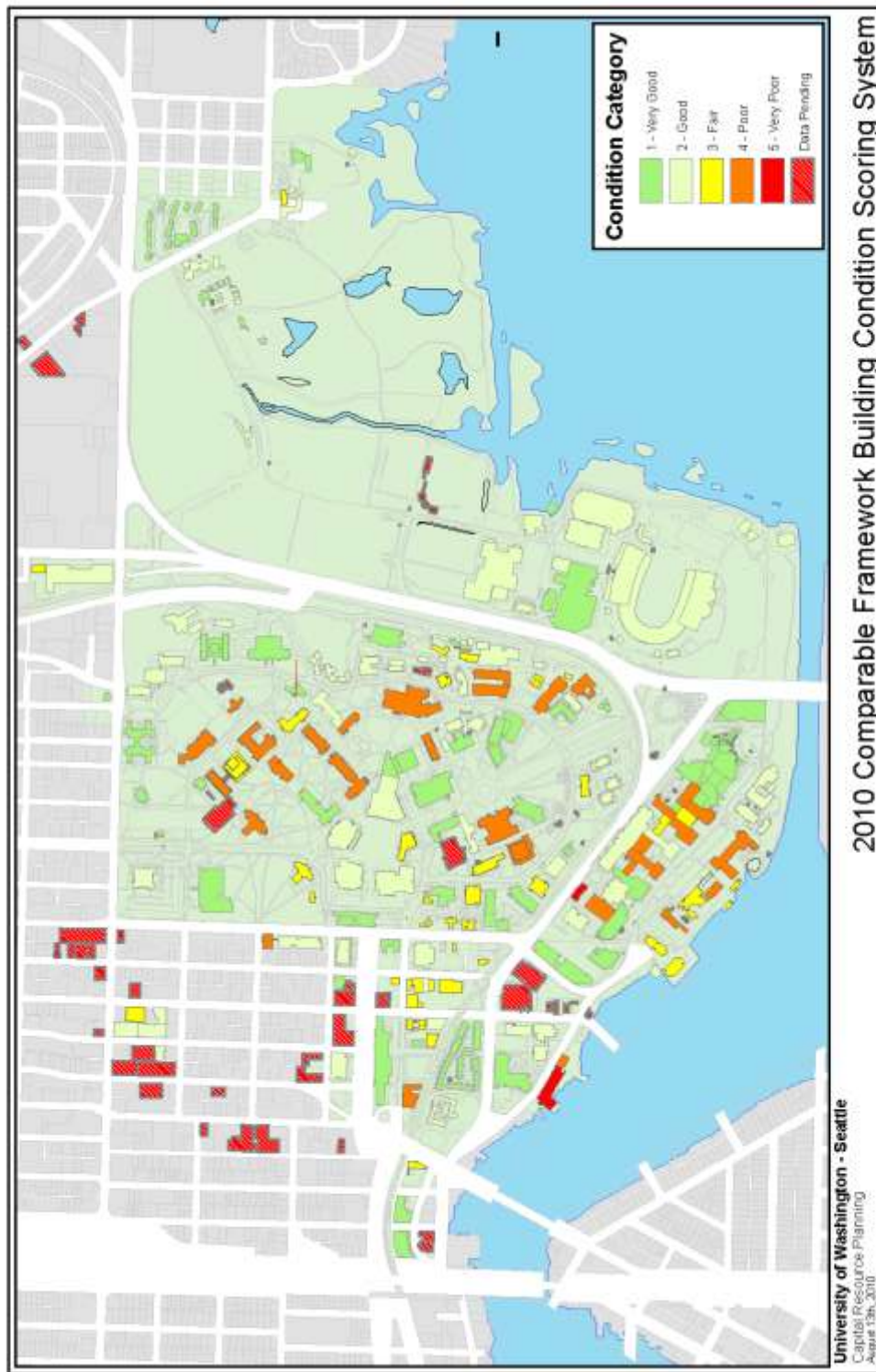
MAJOR CAMPUSES & SITES				
Campus or Site Name	TOTAL		STATE CAPITAL SUPPORTED BUILDINGS OVER 1,999 GSF	
	# BLDGS	GSF	# BLDGS	GSF
UW - Friday Harbor	73	99,791	16	59,052
UW Bothell	8	302,285	7	301,085
UW Seattle	294	16,149,628	166	11,137,749
UW Tacoma	16	587,735	10	525,129
UW Various Off Campus	128	1,839,712	26	839,037
TOTAL	519	18,979,151	225	12,862,052

BUILDING CONDITIONS & PRESERVATION BACKLOGS *				
Condition Category	# Bldgs	GSF	% of Total GSF	Estimated Preservation Backlog
1 - Superior	58	4,214,390	32.80%	\$19,604,810
2 - Adequate	68	4,247,061	33.00%	\$92,812,320
3 - Fair	50	1,362,354	10.60%	\$92,976,275
4 - Needs Improvement, Limited Functionality	43	2,888,172	22.50%	\$556,334,350
5 - Needs Improvement, Marginal Functionality	6	150,075	1.20%	\$33,118,041
TOTAL	225	12,862,052	100.00%	\$794,845,796

*State Capital Supported Buildings Over 1,999 GSF

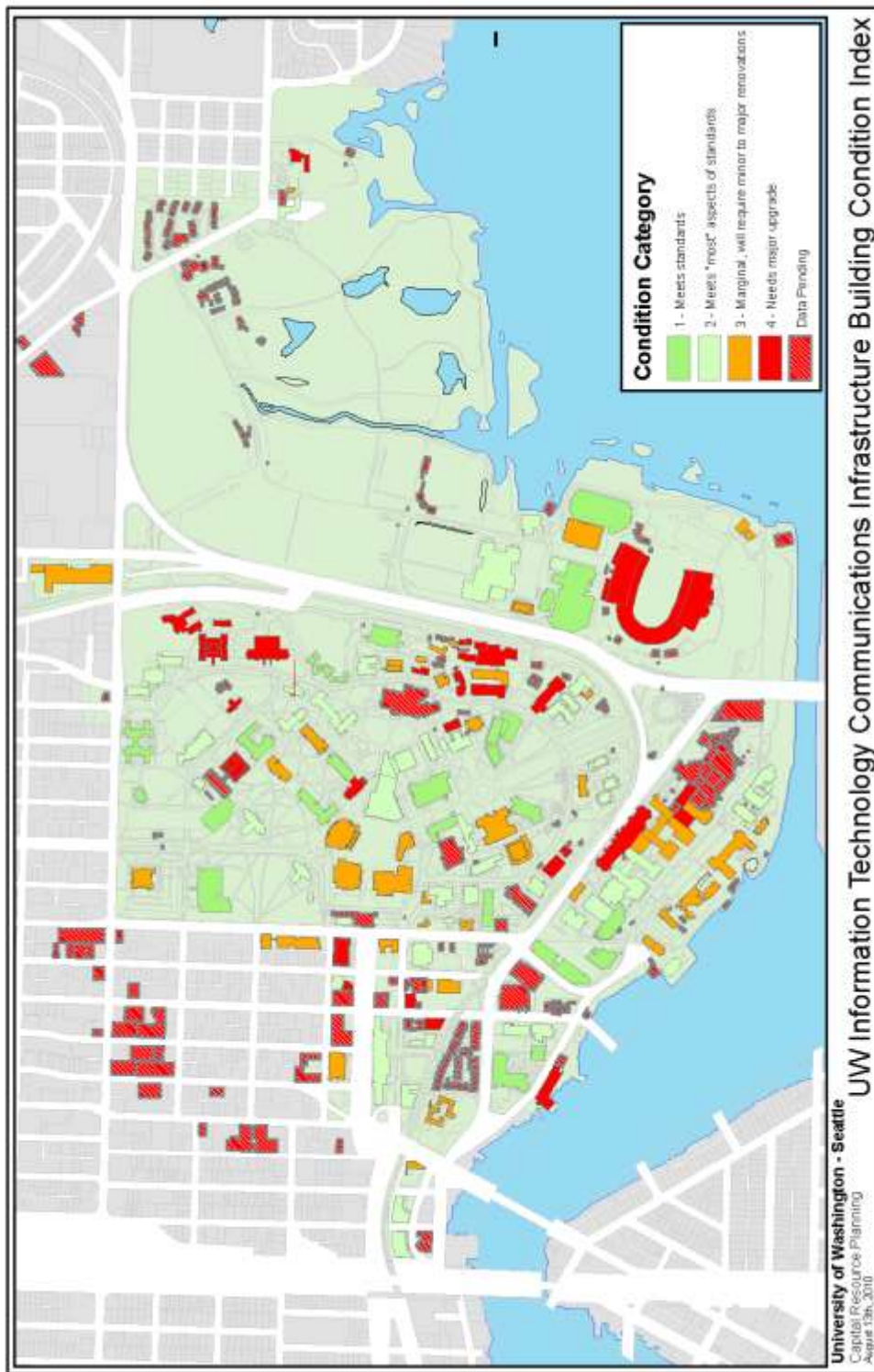
University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment

Attachment B: Back Log Reduction Plan – UW Seattle Building Conditions Scoring System
Source: Office of Financial Management’s Comparable Framework Study 2010 Update



University of Washington
2011-13 Backlog Reduction Plan/Facility Assessment

Attachment C: Back Log Reduction Plan – UW Information Technology Building Information
Technology Conditions – Source: University of Washington Information Technology – Planning &
Facilities



PRESERVATION PROJECTS

Pre Design Study Submissions

In accordance with the Office of Financial Management 2011-21 Capital Budget Instructions, the University of Washington submitted Pre Design Studies to the Office of Financial Management on July 1, 2010 for the following Preservation Projects:

- Anderson Hall Renovation
- Burke Museum of Natural History and Culture (UW Acting as Agent for the Burke Museum)

These Pre Design Studies are available on the UW Office of Planning and Budgeting website at the following address: <http://www.washington.edu/admin/pb/home/opb-capital.htm>.

Pre Design and Design Phase funding has been requested for the UW Seattle Miller Hall Renovation. The new Dean of the College of Education will, subject to the UW Board of Regents approval, begin work effective September 16, 2010. Given the Pre Design Study submission deadline of July 1, 2010 for Design Phase funding consideration in the 2011-2013 biennium, UW decided that a Pre Design study investment would not be cost-effective without the leadership of a Dean of Education, as Miller Hall is primarily occupied by the College of Education.



STATE OF WASHINGTON
OFFICE OF FINANCIAL MANAGEMENT

Insurance Building, PO Box 43113 • Olympia, Washington 98504-3113 • (360) 902-0555

September 1, 2010

TO: Colleen Pike
Director, Capital Resource Planning
University of Washington

FROM: Tom Saelid, Senior Budget Assistant *TOS*
Budget Division

SUBJECT: ANDERSON HALL RENOVATION

The Office of Financial Management has reviewed and approved the predesign document submitted for the Anderson Hall Renovation. Based on this review, you may submit the capital budget request for design funding.

If you have any questions regarding the approval of this project, please contact Jeanne Rynne, at (360) 902-3068.

TS:lc

cc: Jeanne Rynne, Office of Financial Management
Marc Webster, Office of Financial Management
Steve Masse, House Capital Budget Committee
Tim Yowell, Senate Ways and Means Committee



STATE OF WASHINGTON
OFFICE OF FINANCIAL MANAGEMENT

Insurance Building, PO Box 43113 • Olympia, Washington 98504-3113 • (360) 902-0555

September 1, 2010

TO: Colleen Pike
Director, Capital Resource Planning
University of Washington

FROM: Tom Saelid, Senior Budget Assistant *TS*
Budget Division

SUBJECT: BURKE MUSEUM RENOVATION

The Office of Financial Management has reviewed and approved the predesign document submitted for the Burke Museum Renovation. Based on this review, you may submit the capital budget request for design funding.

If you have any questions regarding the approval of this project, please contact Jeanne Rynne, at (360) 902-3068.

TS:lc

cc: Jeanne Rynne, Office of Financial Management
Marc Webster, Office of Financial Management
Steve Masse, House Capital Budget Committee
Tim Yowell, Senate Ways and Means Committee

PRESERVATION PROJECTS

Major Project Request Reports

The University of Washington submitted Project Proposals for the 2011-13 Higher Education Capital Evaluation process to the Office of Financial Management on August 1, 2010 for the following Preservation Projects:

- Anderson Hall Renovation
- Burke Museum of Natural History and Culture (UW Acting as Agent for the Burke Museum)
- High Voltage Infrastructure Improvement Project
- Miller Hall Renovation

A copy of the High Voltage Infrastructure Project Proposal is included in this Capital Budget Submission with the CBS002 and CBS003 budget forms. This documentation provides an overall summary of the project, scope and project description, justification, proposed schedule, site drawings and financial costs.

TAB C

Programmatic Projects

PROGRAMMATIC PROJECTS – Capital Project Request Summary

2011-2013 Request Background

The University of Washington 2011-2013 Capital Budget Request is based on our identification of those capital investments with public dollars which both cost-effectively renew our existing assets and support key programs most vital to the University's public mission. Our 2011-13 Capital Budget Request, particularly our Ten-Year Plan and Backlog Reduction Plan, represents a strategy for an accountable investment in preservation of existing assets as well as targeted teaching program improvements. The requested capital resources are also carefully targeted to increase existing space utilization and improve operational efficiencies by modernizing spaces and adding improvements that make the University of Washington more accessible and safer for the public.

Each unit of the University was provided the opportunity to submit a prioritized summary of key program preservation or modernization/efficiency projects to its assigned Office of Planning & Budgeting staff liaison. All submitted projects – including a large number of previously unfunded project requests from previous biennia – were evaluated in the context of the OFM-sponsored Facilities Condition Index and importance relative to each program's teaching mission, the time critical nature of the request, and, when available, a School/College or administrative group's long range strategic and space plan. Projects were included that supported the functional and strategic objectives of educational programs.

Minor Capital Repair – Program Renewal 2011-2013 Request

\$25.63M Total

The University of Washington requests \$25,630,000 from the UW Building Account to fund minor capital repair program projects. These projects have been organized by the categories: teaching laboratory modernization, classroom modernization, efficiency reconfigurations, innovative program development renovations, accessibility improvements, and access control improvements. Details of each are identified more fully in the CBS reports included in this Request submission. Each of these projects will utilize existing space to grow, improve programs or create new initiatives that assist the University of Washington in achieving our public mission to “educate a diverse student body to become responsible global citizens and future leaders through a challenging learning environment informed by cutting-edge scholarship.”

Teaching Lab Modernization: \$8.35M

Education at the UW uses the teaching laboratory in the sciences as a core component of the teaching and learning experience. The teaching laboratory provides the opportunity for key foundational learning through interaction with faculty and peers. This group of projects renovates functionally deficit teaching laboratories in order to provide the skills for the next generation of life and health sciences leaders. The UW is requesting \$8,350,000 to support teaching laboratory modernization.

PROGRAMMATIC PROJECTS – Capital Project Request Summary

Classroom Modernization: \$6.8M

These projects will modernize existing classrooms to provide universal access, increased efficiency of the use of rooms, and more current information technology hardware to provide teaching spaces which efficiently support the 21st century learner. The UW is requesting \$6,800,000 to support critically-needed classroom modernization.

Efficiency Reconfigurations: \$3.65M

The University of Washington continues to grow its student programs without sufficient additional space. These projects focus on a series of efficiency reconfigurations to increase density and the use of spaces. Many of these reconfigurations are capable through the use of technology, increasingly efficient processes, and creative design. The UW is requesting \$3,650,000 to support efficiency reconfigurations.

Innovative Program Improvements: \$1.785M

These renovations of existing marginally-utilized spaces will support the culture of innovative learning and teaching at the University of Washington by increasing efficiency of space utilization and creating more opportunities for collaborative learning spaces. The UW is requesting \$1,785,000 for innovative program improvements.

Accessibility Improvements: \$1.375M

The projects in this category will provide universal access to many long-under-served areas of campus outside of the classroom and teaching laboratories most frequented by students. The University of Washington is requesting \$1,375,000 for accessibility improvements.

Access Control Improvements: \$260,000

Students no longer just go to a classroom to participate in the learning process. They are learning inside and outside of the classroom and demanding support and access to spaces at many different hours of the day. These projects focus on access control to improve the safety and security of students, faculty, visitors, and staff. The UW is requesting \$260,000 to support these projects.

UW Bothell Program Renewal: \$1.67M

Although a relatively new campus, UW Bothell continues to grow rapidly and requires ongoing campus preservation and renewal projects including classroom improvements and facility renovations to provide the utilization and efficiencies required to meet the needs of increasing student enrollment and programs. The University of Washington is requesting approximately \$1,670,000 for UW Bothell minor repair and renewal projects.

PROGRAMMATIC PROJECTS – Capital Project Request Summary

UW Tacoma Program Renewal: \$1.74M

UW Tacoma continues to grow rapidly and requires ongoing campus preservation and renewal projects including effective utilization of space by repurposing existing spaces and minor facility renovations to meet the needs of increasing student enrollment and programs. The University of Washington is requesting \$1,740,000 for UW Tacoma minor repair and renewal projects.

House of Knowledge – 2011-2013 Request

\$2.7M Total Request: Design Phase (\$1.3M) & Construction Phase “Partnership Component” (\$1.4M)

The University of Washington requests \$2,700,000 for the Design Phase (\$1,300,000) and a portion of the Construction Phase (\$1,400,000) for the House of Knowledge (Intellectual House), a Coast Salish longhouse-style new building project on the University of Washington Seattle campus. This project is a collaborative effort founded on a strong partnership among Native American tribes, the State of Washington and the University of Washington. The total project cost is \$10.645M. \$300,000 was appropriated for the Pre Design Phase by the State Legislature in the 2009-11 biennium. The Pre Design Phase Study was submitted to the Office of Financial Management on July 1, 2010 as a requirement for this UW Capital Budget request. The remaining \$7.645M required to complete the project is to be funded by local funds including donor funding.

The building will support the University of Washington in its recruitment and retention of Native American students, faculty and staff. The 18,800 gross square foot project consists of three components: a gathering focused building, a student focused building, and several outdoor educational spaces with native northwest gardens and gathering areas. Similar to the impact seen with the completion of the Portland State University Longhouse on its Portland, Oregon campus, the University of Washington aims to increase Native American recruitment and retention by 35% over the next decade while increasing the educational opportunities on campus to learn and share with indigenous peoples and their cultures.

The UW anticipates requesting operation and maintenance dollars from the State with the successful completion of the project.

Odegaard Undergraduate Learning Center - Phase I - 2011-2013 Request

\$19.5M for Design and Construction Phases

The University of Washington requests \$19.5 million for the Design and Construction Phases of the Odegaard Undergraduate Learning Center – Phase I. The Center incorporates learning, teaching and discovery into one place. Phase I is anticipated to include improvements to existing building mechanical, electrical, and structural systems to extend the useful life of the building and increase its energy efficiency. Academic program changes are anticipated to include new and enhanced learning spaces which will provide improved utilization of existing space to meet undergraduate teaching requirements without the construction of a new building. Phase I, approximately 73,880 gross square feet, includes

PROGRAMMATIC PROJECTS – Capital Project Request Summary

the renovation of the ground and first floor. Phase II, to be requested in a future biennium, includes the renovation of the mezzanine, second and third floors. Due to the very high demand for the undergraduate teaching and learning activities within the current building, a comprehensive building renovation at one time is not feasible.

In August 2010, the State of Washington Department of Commerce awarded \$2,210,000 from the Energy and Operational Cost Savings Grant program for the University of Washington to improve energy efficiency in three buildings including the Odegaard Undergraduate Learning Center. This funding will be matched by an Energy Savings Performance Contract (ESCO) loan of approximately \$1.8 million and other University local funds. This project will install energy meters and controls in the HVAC system to improve air flow and optimize the heating system. Renovation of the Odegaard Undergraduate Learning Center within Phase I and a future Phase II will build on the work funded by this grant.

The Odegaard Undergraduate Learning Center, through energy conservation measures associated with the renovation, will reduce its annual operations and maintenance costs. In 2009 approximately \$1.3 million was expended in operations and maintenance support for the Odegaard Building – a quality level of maintenance and operations costs relatively consistent over many years. Although the focus of this project is program renewal, through the combination of the our success in with the Department of Commerce grant and support for our state funding request, the Odegaard Learning Center will move from “fair” to “superior” in the OFM Facilities Inventory System.

UW Bothell Phase 3 - 2011-2013 Request

\$62.85M for Completion of the Design and Construction Phases

The University of Washington requests \$62.85 million for completion of design and construction of UW Bothell Phase 3. A total of \$5.15 million was previously appropriated for the Pre Design and Design Phases, of which approximately \$1 million is requested as a re-appropriation for the Design Phase, resulting in a total project cost of \$68 million. Phase 3 includes new facilities to support expanded and new degree programs and will accommodate a minimum capacity increase of 600 FTE students. The increased capacity of the Phase 3 academic building will facilitate development of programs specifically targeted toward career paths needed to support the regional workforce including science, technology, engineering, math and health. The project will include instructional laboratories necessary to support science and technology programs, a 200 seat lecture hall, and classrooms that are sized and configured to meet the needs of the lower division curriculum that was initiated in 2006. Infrastructure and site improvements related to the building project are also key components of the project.

The current project scope of work includes a 74,800 gross square foot building (a minor revision from the approximately 72,000 gross square feet identified in the Pre Design Study), infrastructure improvements, site work, and conversion of the existing campus information technology server room into a classroom. Of the total project cost of \$68 million, \$56.3 million has been identified for the building portion of the project, with \$11.7 million required for campus infrastructure to support this third major phase of development of UW Bothell facilities. These infrastructure improvements include

PROGRAMMATIC PROJECTS – Capital Project Request Summary

drainage, site, and utilities work, as well as access improvements for emergency vehicles and deliveries. The project will also add a 1,000 ton capacity chiller plant that will cost-effectively support the Phase 3 building as well as future building capacity on the growing UW Bothell campus.

UW Tacoma Land Acquisition/Remediation - 2011-2013 Request

\$5M for Land Acquisition/Remediation

The University of Washington, in response to legislative mandate to transition the UW Tacoma campus to a 4-year curriculum, requests \$5 million for strategic land acquisition and to conduct activities associated with testing, monitoring and surveying land that requires soil-based remediation. The acquisition of additional parcels within the approved UW Tacoma 46-acre footprint will provide the critical land capacity for UW Tacoma to meet the building needs identified in the UW Tacoma Master Plan. To date, the University has acquired approximately 60% of the land within its designated-campus footprint.

The Department of Ecology has indicated that the campus (located in an area which previously served as an industrial site within the City of Tacoma) has additional sites of soil contamination within its designated-campus footprint. In partnership with the Department of Ecology, the University of Washington also requests utilizing a portion of the current \$5 million request to assist funding those activities required to identify, survey, analyze, and conduct other activities to determine the appropriate location and levels of potential remediation.

FUTURE BIENNIA REQUESTS

Odegaard Undergraduate Learning Center – Phase II – Future Biennia

\$19.5M for Design and Construction Phases

The University of Washington will request \$19.5M for Design and Construction Phases in one biennium for the Odegaard Undergraduate Learning Center – Phase II project. The Center incorporates learning, teaching and discovery into one place. Phase II, approximately 92,094 gross square feet, is anticipated to include improvements to existing building mechanical, electrical, and structural systems to increase energy efficiency and extend the useful life of the building. Phase II includes the renovation of the mezzanine, second and third floors as well as the entrances and elevators.

Academic program changes are anticipated to include new and enhanced learning spaces which will provide improved utilization of existing space to meet undergraduate teaching requirements without the construction of a new building. The University of Washington is requesting funding for Phase I in the 2011-13 biennium which includes the renovation of the ground and first floor. Phase II will build on the work achieved through the Energy and Operational Cost Savings Grant by the Department of Commerce Grant and UW matching funds.

PROGRAMMATIC PROJECTS – Capital Project Request Summary

In 2009 approximately \$1.3 million was expended in operations and maintenance support for the Odegaard Building – a quality level of maintenance and operations costs relatively consistent over many years. The Odegaard Undergraduate Learning Center, through energy conservation measures and this renovation, will reduce its annual operations and maintenance costs. Although the focus of this project is program renewal, through the combination of the UW’s successful Department of Commerce grant application and support for this state capital request, the Odegaard Learning Center will move from “fair” to “superior” in the OFM Facilities Inventory System.

Health Sciences Teaching Building – Future Biennia

\$135M for Pre Design, Design, and Construction Phases

The University of Washington will request approximately \$135M for the Pre Design, Design and Construction Phases in future biennia for an integrated Health Sciences Teaching Building. This project, projected at approximately 150,000 gross square feet, is expected to support the academic needs for undergraduate and graduate/professional students that enter the health sciences fields at the University of Washington – Dentistry, Medicine, Nursing, Pharmacy, Public Health, Social Work and other health and life sciences related-programs.

Key program elements are expected to include flexible learning laboratories, meeting spaces for local, regional, and global community dialogue in the health sciences, immersive learning centers including multiple simulation-based learning environments, digital and/or other library facilities, and state of the art classrooms. Currently, the majority of the teaching classrooms and learning laboratories for the Health Sciences are located within the Magnuson Health Sciences Building complex which was originally occupied in 1949 with the main teaching wing completed in 1972. All classrooms and laboratories are in great need of infrastructure, technology and programmatic improvements. This project proposes a consolidation of these teaching and learning spaces into a new state-of-the-art academic health sciences teaching building.

UW Bothell Phase 4 - Future Biennia

\$68M for Pre Design, Design, and Construction Phases

The University of Washington will request approximately \$68M for the Pre Design, Design and Construction Phases in future biennia for the UW Bothell Phase 4 project. UW Bothell’s goal is to develop the capacity to accommodate 6,000 student FTE enrollment. Phase 4 will provide additional student and academic space required for an integrated and comprehensive higher education campus. Anticipated growth at UW Bothell will require expanded academic facilities capacity to include a mix of instructional spaces such as general classrooms, lecture halls, seminar rooms, studio spaces, and faculty and administrative offices. Phase 4 will be planned to add capacity for at least an additional 800 student FTE in order to achieve the long range capacity goals of the State of Washington and the University of Washington.

PROGRAMMATIC PROJECTS – Capital Project Request Summary

Phase 4 is anticipated to include approximately 60,000 gross square feet of new academic space in a new freestanding academic building, and a 30,000 gross square foot addition to the existing UW Bothell Library. The Pre Design Phase will determine the final size of the addition to the central library. A library addition is required for UW Bothell to support lower-division-program-focused collections and services as the campus continues to meet the demands enrollment growth associated with the four-year curriculum.

UW Tacoma Phase 4 – Future Biennia

\$79.5M for Pre Design, Design, and Construction Phases

The University of Washington will request approximately \$79.5M for the Pre Design, Design and Construction Phases in future biennia for a UW Tacoma Phase 4 project. UW Tacoma's goal is to develop the capacity to accommodate enrollment of 5,800 FTE students over the next ten years. Phase 4 will provide the additional student and academic space required for an integrated and comprehensive higher education campus, and supports the legislative mandate to provide a 4-year curriculum. The 65,000 gross square feet of academic teaching space and 40,000 gross square feet of student study and group learning space will provide the space for the services required to accommodate the additional student FTE anticipated.

University of Washington
2011-13 Capital Budget Request
Minor Capital Repair - Program Renewal

30000451	Teaching Lab Modernization: Bagley Hall	\$ 2,000,000
30000452	Teaching Lab Modernization: Kincaid Hall	\$ 2,000,000
30000453	Teaching Lab Modernization: Civil Engineering	\$ 1,750,000
30000454	Teaching Lab Modernization: Multiple Buildings	\$ 1,400,000
30000455	Teaching Lab Modernization: Health Sciences	\$ 1,200,000
Teaching Lab Modernization		\$ 8,350,000
30000456	Classroom Modernization: Condon Hall	\$ 2,000,000
30000457	Classroom Modernization: Health Sciences	\$ 1,800,000
30000458	Classroom Modernization: Music Hall	\$ 1,500,000
30000459	Classroom Modernization: Smith Hall	\$ 1,500,000
Classroom Modernization		\$ 6,800,000
30000460	Efficiency Reconfiguration: Arts and Sciences, College of Engineering, and other academic departments	\$ 1,810,000
30000461	Efficiency Reconfiguration: Health Sciences	\$ 1,250,000
30000462	Efficiency Reconfiguration: Libraries	\$ 590,000
Efficiency Reconfiguration		\$ 3,650,000
30000463	Innovative Program Improvements (4 projects)	\$ 1,785,000
Innovative Program Improvements		\$ 1,785,000
30000464	Accessibility Improvements (15 projects)	\$ 1,375,000
Accessibility Improvements		\$ 1,375,000
30000465	Access Control Improvements (5 projects)	\$ 260,000
Access Control Improvements		\$ 260,000
UW Seattle Program Renewal Subtotal		\$ 22,220,000
30000466	UW Bothell Program Renewal (4 projects)	\$ 1,670,000
UW Bothell Program Renewal		\$ 1,670,000
30000467	UW Tacoma Program Renewal (12 projects)	\$ 1,740,000
UW Tacoma Program Renewal		\$ 1,740,000
Minor Capital Repair - Program Renewal Total		\$ 25,630,000

360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381

Project Title: UW Minors -Program

Description

Starting Fiscal Year: 2012
Project Class: Program
Agency Priority: 2

Project Summary

The University of Washington is requesting \$25,630,000 from the UW Building Account in the 2011-13 biennium to fund minor works program projects. These projects have been organized in the following areas: teaching laboratory modernization, classroom modernization, efficiency reconfigurations, innovative program development renovations, accessibility improvements, and access control improvements. Each of these projects will utilize existing space to grow, improve programs or create new initiatives that assist the University of Washington in reaching its vision to “educate a diverse student body to become responsible global citizens and future leaders through a challenging learning environment informed by cutting-edge scholarship.”

Project Description

These projects have been organized in the following areas: teaching laboratory modernization, classroom modernization, efficiency reconfigurations, innovative program development renovations, accessibility improvements, and access control improvements.

Teaching Lab Modernization:

Education at the UW uses the teaching laboratory in the sciences as a core component of the teaching and learning experience. The teaching laboratory provides the opportunity for key foundational learning through interaction with faculty and peers. This group of projects renovates critically deficit teaching laboratories in order to provide the skills for the next generation of life and health sciences leaders. **Classroom Modernization:**

The projects will modernize existing classrooms to provide universal access, increased efficiency use of the rooms[k1] , and more current information technology hardware to provide teaching spaces which efficiently support the 21st century learner.

Efficiency Reconfigurations:

The University of Washington continues to grow its student programs without sufficient additional space. These projects focus on a series of efficiency reconfigurations to increase density and the use of spaces. Many of these reconfigurations are capable through the use of technology, increasingly efficient processes, and creative design.

Innovative Program Improvements:

These renovations of existing marginally-utilized spaces will support the culture of innovative learning and teaching at the University of Washington by increasing efficiency of space utilization and creating more opportunities for collaborative learning spaces. These requests, approximately \$1,785,000, are for the funding program improvements.

Accessibility Improvements:

The projects in this category will provide universal access to many long-under-served areas of campus outside of the classroom and teaching laboratories most frequented by students.

Access Control Improvements:

Students no longer just go to a classroom to participate in the learning process. They are learning inside and outside of the classroom and demanding support and access to spaces at many different hours of the day. These projects focus on access control to improve the safety and security of students, faculty, visitors, and staff.

Location

City: Bothell

County: King

Legislative District: 001

City: Seattle

County: King

Legislative District: 043

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Program (Minor Works)

Growth Management impacts

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Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

Description

No Growth Management Impacts

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	128,150,000				25,630,000
	Total	128,150,000	0	0	0	25,630,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
064-1	UW Building Account-State	25,630,000	25,630,000	25,630,000	25,630,000
	Total	25,630,000	25,630,000	25,630,000	25,630,000

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 30000451
SubProject Title: Teaching Lab Modernization: Bagley Hall

Project Summary

This request is to continue updating chemistry laboratories with modern facilities, updated safety equipment, and provide universal access for students.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
064-1	UW Building Account-State	0	0	0	0
	Total	0	0	0	0

Operating Impacts

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Capital Project Request

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000451
SubProject Title: Teaching Lab Modernization: Bagley Hall
No Operating Impact

SubProject Number: 30000452
SubProject Title: Teaching Lab Modernization: Kincaid Hall

Project Summary

Teaching Lab Modernization: Kincaid Hall. This request is to update biology laboratories with modern facilities, updated safety equipment, and provide universal access for students.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000453
SubProject Title: Teaching Lab Modernization: Civil Engineering

Project Summary

This request is to update the civil engineering laboratories in More Hall and Harris Hydrolics Building with updated facilities including appropriate safety equipment, technology and access for all students.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,750,000				1,750,000

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Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000453
SubProject Title: Teaching Lab Modernization: Civil Engineering

Total	1,750,000	0	0	0	1,750,000
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Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000454
SubProject Title: Teaching Lab Modernization: Multiple Buildings

Project Summary

This request is to strategically renovate labs that serve significant number of students with modern facilities, safety equipment and technology.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,400,000	0	0	0	1,400,000
	Total	1,400,000	0	0	0	1,400,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000455
SubProject Title: Teaching Lab Modernization: Health Sciences

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000455
SubProject Title: Teaching Lab Modernization: Health Sciences

Project Summary

This request is to strategically update teaching labs within the Health Sciences to provide modern facilities with updated safety equipment, technology and universal access.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	1,200,000				1,200,000
	Total	1,200,000	0	0	0	1,200,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000456
SubProject Title: Classroom Modernization: Condon Hall

Project Summary

This request is to renovate Condon Hall Classrooms with update technology, ADA access, and to fire safety issues. Most of the classrooms will require abatement of hazardous materials.

Location

City: Seattle

County: King

Legislative District:

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21

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Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000456
SubProject Title: Classroom Modernization: Condon Hall
064-1 UW Building Account-State

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000457
SubProject Title: Classroom Modernization: Health Sciences

Project Summary

Classroom Modernization: Health Sciences. This request is to update classrooms in the health sciences such as replacing broken seating in auditoriums, install technology for distance learning education and upgrade rooms for ADA access.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,800,000				1,800,000
	Total	1,800,000	0	0	0	1,800,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000458
SubProject Title: Classroom Modernization: Music Hall

Project Summary

Classroom Modernization: Music Hall. This request is to update classrooms for life safety and ADA access code related items, improve acoustics, upgrade technology and increase utilization of the space.

Location

City: Seattle

County: King

Legislative District: 043

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Capital Project Request**

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Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000458
SubProject Title: Classroom Modernization: Music Hall

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000459
SubProject Title: Classroom Modernization: Smith Hall

Project Summary

Classroom Modernization: Smith Hall. This request is to provide technology, universal access, correct life safety related issues and provide updated learning spaces within one of the core academic buildings on campus.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Appropr</u>
064-1	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000
<u>Future Fiscal Periods</u>						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

OFM

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000460
SubProject Title: Efficiency Reconfiguration: Arts and Sci., Coll. of Engineer'g

Project Summary

Efficiency Reconfiguration: Arts and Sciences, College of Engineering, and other academic departments. This request is to increase the efficient use of space and density within academic apartments through reconfigurations, technology enhancements and innovative design.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,810,000				1,810,000
	Total	1,810,000	0	0	0	1,810,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000461
SubProject Title: Efficiency Reconfiguration: Health Sciences

Project Summary

This request is to increase density and the efficient use of space within the health sciences through reconfigurations.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,250,000				1,250,000
	Total	1,250,000	0	0	0	1,250,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21

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Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000461
SubProject Title: Efficiency Reconfiguration: Health Sciences
064-1 UW Building Account-State

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000462
SubProject Title: Efficiency Reconfiguration: Libraries

Project Summary

Efficiency Reconfiguration: Libraries. This request is to increase student use of library space through consolidation of books and microfilm and renovating those spaces for student academic support programs and study spaces.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	590,000				590,000
	Total	590,000	0	0	0	590,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000463
SubProject Title: Innovative Program Improvements (4 projects)

Project Summary

Innovative Program Improvements. This request is to support the innovative nature of the UW - to increase efficiency, opportunities and continuous improvements.

Location

City: Seattle

County: King

Legislative District: 043

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Capital Project Request

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Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000463
SubProject Title: Innovative Program Improvements (4 projects)

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Approps</u>
064-1	UW Building Account-State	1,785,000				1,785,000
	Total	1,785,000	0	0	0	1,785,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000464
SubProject Title: Accessibility Improvements (15 projects)

Project Summary

This request is to make the campus increasingly more accessible both inside and outside through door openers, handrails, accessible restrooms and other projects.

Location

City: Seattle

County: King

Legislative District: 043

<u>Funding</u>		<u>Expenditures</u>			<u>2011-13 Fiscal Period</u>	
<u>Acct Code</u>	<u>Account Title</u>	<u>Estimated Total</u>	<u>Prior Biennium</u>	<u>Current Biennium</u>	<u>Reappropriations</u>	<u>New Approps</u>
064-1	UW Building Account-State	1,375,000				1,375,000
	Total	1,375,000	0	0	0	1,375,000

		<u>Future Fiscal Periods</u>			
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
064-1	UW Building Account-State				
	Total	0	0	0	0

Operating Impacts

No Operating Impact

360 - University of Washington
Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000465
SubProject Title: Access Control Improvements (5 projects)

Project Summary

This request is to provide access control improvements to key buildings where students, faculty or staff use extends into the evening hours, especially those not in the core of campus.

Location

City: Seattle

County: King

Legislative District: 043

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	260,000				260,000
	Total	260,000	0	0	0	260,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000466
SubProject Title: UW Bothell Program Renewal

Project Summary

The building fee generated by UW Bothell is prioritized to support the Bothell campus preservation and renewal projects including classroom improvements and facility renovations to enhance the student experience.

Location

City: Unknown

County: Unknown

Legislative District:

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	1,670,000				1,670,000
	Total	1,670,000	0	0	0	1,670,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21

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Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381
Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000466
SubProject Title: UW Bothell Program Renewal
064-1 UW Building Account-State

Total	0	0	0	0
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Operating Impacts

No Operating Impact

SubProject Number: 30000467
SubProject Title: UW Tacoma Program Renewal

Project Summary

The building fee generated by UW Tacoma is prioritized to support the Tacoma campus preservation and renewal projects including repurposing existing spaces and facility renovations to enhance the student experience.

Location

City: Tacoma

County: Pierce

Legislative District: 027

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	1,740,000				1,740,000
	Total	1,740,000	0	0	0	1,740,000

Future Fiscal Periods

	2013-15	2015-17	2017-19	2019-21
064-1 UW Building Account-State				
Total	0	0	0	0

Operating Impacts

No Operating Impact

SubProject Number: 30000469
SubProject Title: Minor Capital Repairs- Program Renewal

Project Summary

These projects will utilize existing space to grow, improve programs or create new initiatives that assist the University of Washington in reaching its vision to "educate a diverse student body to become responsible global citizens and future leaders through a challenging learning environment informed by cutting-edge scholarship." These project target existing space to increase utilization and improve operational efficiencies by modernizing spaces and adding improvements that make the University of Washington more accessible and safer to the public.

360 - University of Washington
Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:24PM

Project Number: 30000381

Project Title: UW Minors -Program

SubProjects

SubProject Number: 30000469

SubProject Title: Minor Capital Repairs- Program Renewal

Location

City: Bothell

County: King

Legislative District: 001

City: Seattle

County: King

Legislative District: 043

City: Tacoma

County: Pierce

Legislative District: 027

Funding

Acct Code	Account Title	Expenditures			2011-13 Fiscal Period	
		Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State	102,520,000				
	Total	102,520,000	0	0	0	0

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
064-1	UW Building Account-State	25,630,000	25,630,000	25,630,000	25,630,000
	Total	25,630,000	25,630,000	25,630,000	25,630,000

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000381	30000381
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:35PM

Project Number: 30000021
Project Title: House of Knowledge Longhouse

Description

Starting Fiscal Year: 2010
Project Class: Program
Agency Priority: 5

Project Summary

University of Washington requests \$2,700,000 in the 2011-13 biennium for the Design Phase (\$1,300,000) and a portion of the Construction Phase (\$1,400,000) for the House of Knowledge (Intellectual House), a Coast Salish longhouse-style new building project. This project is a collaborative effort founded on partnership among Native American tribes, the State of Washington and the University of Washington. The total project cost is \$10.645 million. \$300,000 was appropriated in the 2009-11 biennium for the Pre Design Phase. The remaining \$7.645 million required to complete the project is to be funded by local funds including donor funding. The building will support the University of Washington in its recruitment and retention of Native American students, faculty and staff. The 18,800 gross square foot project consists of three components: a gathering focused building, a student focused building, and several outdoor educational spaces with native northwest gardens and gathering areas. Similar to the impact seen at the Portland State University longhouse, the University of Washington aims to increase Native American recruitment and retention by 35% over the next decade while increasing the educational opportunities on campus to learn about first nations people.

Project Description

The building will support the University of Washington in its recruitment and retention of Native American students, faculty and staff. The 18,800 gross square foot project consists of three components: a gathering focused building, a student focused building, and several outdoor educational spaces with native northwest gardens and gathering areas. The House of Knowledge is envisioned as a means to change Native American student enrollment and retention dynamics and improve the Native experience at the University of Washington. The House of Knowledge will be a place on campus that encourages tribes in Washington State and the Pacific Northwest to visit and actively participate in expanding the educational opportunities and achievements on campus. As a "home away from home" for Native students, faculty and staff, the House of Knowledge will foster a Coast Salish environment that sustains the indigenous traditions of welcoming, learning, sharing, and community through programs that promote Native academic success, while engaging, enhancing and disseminating indigenous knowledge to the broadest cross-section of people from the University community, the Pacific Northwest Tribes and the State of Washington. The House of Knowledge project will honor Coast Salish traditions in architecture and will meet the project goals through three main components: a student-learning focused building, a community-gathering focused building, and a Native Northwest inspired site that connects the two buildings, bringing together Natives and non-Natives in a welcoming, natural place that fosters stronger connections and deeper understanding throughout the entire UW community.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

See GMA Questionnaire.

New Facility: Yes

How does this fit in master plan

See UW master Plan link in GMA Questionnaire.

Funding

Expenditures

2011-13 Fiscal Period

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:35PM

Project Number: 30000021
Project Title: House of Knowledge Longhouse

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropr
057-1	State Bldg Constr-State	3,000,000		300,000		2,700,000
252-7	HI Ed N-Prop Lcl Cap-Private/Local	7,650,000				
Total		10,650,000	0	300,000	0	2,700,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State				
252-7	HI Ed N-Prop Lcl Cap-Private/Local	7,650,000			
Total		7,650,000	0	0	0

Schedule and Statistics

	Start Date	End Date
Pre-design	11/01/2009	05/01/2010
Design	7/1/2011	12/1/2012
Construction	1/1/2013	3/1/2014

	<u>Total</u>
Gross Square Feet:	18,800
Usable Square Feet:	14,152
Efficiency:	75.3%
Escalated MACC Cost per Sq. Ft.:	332
Construction Type:	Other Schedule B Projects
Is this a remodel?	No
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	233,103	2.2%
Construction Documents	350,286	3.3%
Extra Services	577,051	5.4%
Other Services	229,805	2.2%
Design Services Contingency	183,442	1.7%
Consultant Services Total	1,573,688	14.8%

Maximum Allowable Construction Cost(MACC) **6,250,000**

Site work	0	0.0%
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360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 8/27/2010 1:35PM

Project Number: 30000021
Project Title: House of Knowledge Longhouse

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Construction Contracts		
Related Project Costs	0	0.0%
Facility Construction	6,250,000	58.7%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	0	0.0%
Construction Contingencies	937,500	8.8%
Non Taxable Items	0	0.0%
Sales Tax	682,813	6.4%
Construction Contracts Total	7,870,313	73.9%
Equipment		
Equipment	307,496	2.9%
Non Taxable Items	0	0.0%
Sales Tax	29,212	0.3%
Equipment Total	336,708	3.2%
Art Work Total	31,250	0.3%
Other Costs Total	306,506	2.9%
Project Management Total	531,535	5.0%
Grand Total Escalated Costs	<u>10,650,000</u>	
Rounded Grand Total Escalated Costs	10,650,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000021	30000021
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 70
 Cost Estimate Title: UW House of Knowledge June 2010 Predesign
 Version: 02 FINAL
 Project Number: 30000021
 Project Title: House of Knowledge Longhouse
 Project Phase Title:

Report Number: CBS003
 Date Run: 8/27/2010 1:40PM

Agency Preferred: Yes

Contact Info Contact Name: John Wetzel Contact Number: 206.685.3856

Statistics

Gross Sq. Ft.: 18,800
 Usable Sq. Ft.: 14,152
 Space Efficiency: 75%
 MACC Cost per Sq. Ft.: 303
 Escalated MACC Cost per Sq. Ft.: 332
 Remodel? No
 Construction Type: Other Schedule B Projects
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	11-2009	05-2010
Design:	07-2011	12-2012
Construction:	01-2013	03-2014
Duration of Construction (Months):	14	

Cost Summary Escalated

Acquisition Costs Total		0
Pre-Schematic Design Services		233,103
Construction Documents		350,286
Extra Services		577,051
Other Services		229,805
Design Services Contingency		183,442
Consultant Services Total		1,573,688
Site work		0
Related Project Costs		0
Facility Construction		6,250,000
Construction Contingencies		937,500
Non Taxable Items		0
Sales Tax		682,813
Construction Contracts Total		7,870,313
Maximum Allowable Construction Cost(MACC)	6,250,000	
Equipment		307,496
Non Taxable Items		0
Sales Tax		29,212
Equipment Total		336,708
Art Work Total		31,250
Other Costs Total		306,506
Project Management Total		531,535
Grand Total Escalated Costs		10,650,000
Rounded Grand Total Escalated Costs		10,650,000

Additional Details

Alternative Public Works Project: No

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 70

Report Number: CBS003

Cost Estimate Title: UW House of Knowledge June 2010 Predesign

Date Run: 8/27/2010 1:40PM

Version: 02 FINAL

Agency Preferred: Yes

Project Number: 30000021

Project Title: House of Knowledge Longhouse

Project Phase Title:

Contact Info Contact Name: John Wetzel

Contact Number: 206.685.3856

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 70 **Analysis Date:** June 22, 2010
Cost Estimate Title: UW House of Knowledge June 2010 Predesign
Detail Title: House of Knowledge June 2010
Project Number: 30000021
Project Title: House of Knowledge Longhouse
Project Phase Title:
Location:
Contact Info **Contact Name:** John Wetzal **Contact Number:** 206.685.3856

Statistics

Gross Sq. Ft.: 18,800
 Usable Sq. Ft.: 14,152
 Rentable Sq. Ft.:
 Space Efficiency: 75%
 Escalated MACC Cost per Sq. Ft.: 332
 Escalated Cost per S. F. Explanation

Construction Type: Other Schedule B Projects
 Remodel? No
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 5.00%
 Projected Life of Asset (Years): 30
 Location Used for Tax Rate:
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: No

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	11-2009	05-2010
Design:	07-2011	12-2012
Construction:	01-2013	03-2014
Duration of Construction (Months):	14	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 5,691,131
MACC (Escalated):	\$ 6,250,000
Current Project Total:	\$ 9,801,429
Rounded Current Project Total:	\$ 9,801,000
Escalated Project Total:	\$ 10,649,999
Rounded Escalated Project Total:	\$ 10,650,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	17,172			
Pre-design Study	208,594			
SubTotal: Pre-Schematic Design Services		225,766	1.0325	233,103
<u>Construction Documents</u>				
A/E Basic Design Services	332,214			
SubTotal: Construction Documents		332,214	1.0544	350,286
<u>Extra Services</u>				
Civil Design (Above Basic Services)	25,000			
Geotechnical Investigation	20,000			
Commissioning (Systems Check)	20,000			
Site Survey	20,000			
Testing	50,000			
Leadership Energy & Environment Design List(LEED)	60,000			
Value Engineering Participation & Implementation	5,000			
Constructability Review Participation	20,000			
Environmental Mitigation Services (EIS)	30,000			
Landscape Consultant	25,000			
Acoustical Consultant	10,000			
Consultant Selection Cost	2,000			
Document Reproduction	20,000			
Graphics	15,000			
Hazardous Materials	15,000			
Interior Design/Furnishing Consultant	25,000			
Kitchen Consultant	10,000			
Permit Expiditor	15,000			
Renderings, Presentations, and models	20,000			
Specialty Consultant	140,279			
SubTotal: Extra Services		547,279	1.0544	577,051
<u>Other Services</u>				
Bid/Construction/Closeout	149,256			
HVAC Balancing	15,000			
Reimburables	10,000			
As Builts	10,000			
Cost and Scheduling Consultants	20,000			
Small COntracts (Attorney's DRB)	5,000			
SubTotal: Other Services		209,256	1.0982	229,805
<u>Design Services Contingency</u>				
Design Services Contingency	131,452			
Design Change Order Allowance	35,587			
SubTotal: Design Services Contingency		167,039	1.0982	183,442
Total: Consultant Services		1,481,554	1.0622	1,573,688
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	5,691,131			
SubTotal: Facility Construction		5,691,131	1.0982	6,250,000
Maximum Allowable Construction Cost (MACC)		5,691,131	1.1000	6,250,000
<u>Construction Contingencies</u>				
Management Reserve	284,557			
Allowance for Change Orders	569,113			
SubTotal: Construction Contingencies		853,670	1.0982	937,500

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
Sales Tax		621,756	1.0982	682,813
Total: Construction Contracts		7,166,557	1.0982	7,870,313
EQUIPMENT				
E10 - Equipment	80,000			
E20 - Furnishings	200,000			
SubTotal:		280,000	1.0982	307,496
Sales Tax		26,600	1.0982	29,212
Total: Equipment		306,600	1.0982	336,708
ART WORK				
Higher Ed Artwork	31,250			
Total: Art Work		31,250	1.0000	31,250
OTHER COSTS				
Fees and Permits	140,650			
Builders Risk	14,474			
Connectivity (Network)	50,000			
Temporary Utilities and Facilities	15,000			
Other	21,309			
In Plant Services	35,000			
Advertising	7,500			
Total: Other Costs		283,933	1.0795	306,506
PROJECT MANAGEMENT				
Agency Project Management	470,736			
Pre Active Project Management	60,799			
Total: Project Management		531,535	1.0000	531,535

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

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Cost Estimate Number: 70
Cost Estimate Title: UW House of Knowledge June 2010 Predesign

Report Number: CBS003
Date Run: 8/27/2010 1:40PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000021	30000021
Cost Estimate Number	70	70
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:58PM

Project Number: 30000370

Project Title: Odegaard Undergraduate Learning Center, Phase I

Description

Project Phase Title: Odegaard Undergraduate Learning Center, Phase I
Starting Fiscal Year: 2012
Project Class: Program
Agency Priority: 6

Project Summary

The Odegaard Undergraduate Learning Center was built on the vision of Charles Odegaard, University of Washington President from 1958-1973. Completed in 1972 as an undergraduate library, the building project is intended to be transformed to become the primary center on campus for undergraduate learning and research. The University proposes repurposing and extending the life of the Odegaard facility by providing non-traditional teaching and learning spaces to support the discovery of the next generation of students. Phase I of the Odegaard Undergraduate Learning Center is proposed as a renovation of the ground and first floors. Since the building was built in 1972 and has not undergone a major renovation, building systems will require improvement and/or replacement to reduce operations and energy costs. Phase I work is anticipated to include improvements to existing building mechanical, electrical, and structural systems. Academic program changes are anticipated to include new and enhanced learning spaces which will provide improved utilization of existing space to meet undergraduate teaching requirements without constructing new buildings.

Project Description

The Odegaard Undergraduate Learning Center project will:

- Incorporate formal learning spaces with informal learning spaces in one central core facility serving the undergraduate learning experience, creating an operationally-efficient one-stop center that supports the student educational experience and student success;
- Increase access for undergraduate students to technology, resources, opportunities and educational support;
- Provide highly flexible spaces to encourage the constantly changing learning environment and mitigate future capital investment and renovations;
- Reuse and improve utilization of existing buildings and spaces in order to enhance the educational environment;
- Improve existing building systems to extend the useful life of the building as a critical resource to the University;
- Eliminate the boundaries of discovery for the undergraduate learner;
- Provide an even more secure and safe working environment for students, faculty, and visitors; and
- Reutilize existing buildings to support UW and State of Washington high performance and sustainable building objectives.

Two phases are required due to the high utilization of the facility for student teaching and learning – it would not be possible to close the entire building for an extended period and provide equivalent temporary space on the UW Seattle campus. This is a reflection of how important this facility is to the teaching mission of the University of Washington.

The renovated center will support current and future generations of learners with flexible, individual and group learning and teaching space. Learning is no longer limited to inside the classroom but can spill out into group and individual spaces rich with technology, resources and opportunities.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

No impact to Growth Management Plan

New Facility: No

Funding

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360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:58PM

Project Number: 30000370

Project Title: Odegaard Undergraduate Learning Center, Phase I

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	19,500,000				19,500,000
	Total	19,500,000	0	0	0	19,500,000
Future Fiscal Periods						
		<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Pre-design	10/01/2009	06/01/2010
Design	7/1/2011	3/1/2012
Construction	4/1/2012	7/1/2013
	Total	
Gross Square Feet:	73,879	
Usable Square Feet:	59,936	
Efficiency:	81.1%	
Escalated MACC Cost per Sq. Ft.:	151	
Construction Type:	College Classroom Facilities	
Is this a remodel?	Yes	
A/E Fee Class:	B	
A/E Fee Percentage:	0.00%	

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	821,054	4.2%
Extra Services	452,315	2.3%
Other Services	461,817	2.4%
Design Services Contingency	209,761	1.1%
Consultant Services Total	1,944,947	10.0%
Maximum Allowable Construction Cost(MACC)	11,180,410	
Site work	411,762	2.1%
Related Project Costs	369,530	1.9%

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:58PM

Project Number: 30000370

Project Title: Odegaard Undergraduate Learning Center, Phase I

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Construction Contracts		
Facility Construction	10,399,118	53.3%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	1,317,365	6.8%
Construction Contingencies	1,399,364	7.2%
Non Taxable Items	0	0.0%
Sales Tax	1,354,971	7.0%
Construction Contracts Total	15,252,110	78.2%
Equipment		
Equipment	752,780	3.9%
Non Taxable Items	0	0.0%
Sales Tax	73,396	0.4%
Equipment Total	826,176	4.2%
Art Work Total	55,902	0.3%
Other Costs Total	342,189	1.8%
Project Management Total	1,078,606	5.5%
Grand Total Escalated Costs	<u>19,499,930</u>	
Rounded Grand Total Escalated Costs	19,500,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000370	30000370
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 74
 Cost Estimate Title: Odegaard Undergraduate Learning Center June 2010
 Version: 02 FINAL
 Project Number: 30000370
 Project Title: Odegaard Undergraduate Learning Center, Phase I
 Project Phase Title: Odegaard Undergraduate Learning Center, Phase I

Report Number: CBS003
 Date Run: 9/2/2010 4:59PM

Agency Preferred: Yes

Contact Info Contact Name: Kateri Schlessman Contact Number: 206.543.3542

Statistics

Gross Sq. Ft.:	73,879
Usable Sq. Ft.:	59,936
Space Efficiency:	81%
MACC Cost per Sq. Ft.:	141
Escalated MACC Cost per Sq. Ft.:	151
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	10-2009	06-2010
Design:	07-2011	03-2012
Construction:	04-2012	07-2013
Duration of Construction (Months):	15	

Cost Summary Escalated

Acquisition Costs Total		0
Pre-Schematic Design Services		0
Construction Documents		821,054
Extra Services		452,315
Other Services		461,817
Design Services Contingency		209,761
Consultant Services Total		1,944,947
Site work		411,762
Related Project Costs		369,530
Facility Construction		10,399,118
Construction Contingencies		1,399,364
Non Taxable Items		0
Sales Tax		1,354,971
Construction Contracts Total		15,252,110
Maximum Allowable Construction Cost(MACC)	11,180,410	
Equipment		752,780
Non Taxable Items		0
Sales Tax		73,396
Equipment Total		826,176
Art Work Total		55,902
Other Costs Total		342,189
Project Management Total		1,078,606
Grand Total Escalated Costs		19,499,930
Rounded Grand Total Escalated Costs		19,500,000

Additional Details

Alternative Public Works Project: Yes

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 74
Cost Estimate Title: Odegaard Undergraduate Learning Center June 2010
Version: 02 FINAL
Project Number: 30000370
Project Title: Odegaard Undergraduate Learning Center, Phase I
Project Phase Title: Odegaard Undergraduate Learning Center, Phase I

Report Number: CBS003
Date Run: 9/2/2010 4:59PM

Agency Preferred: Yes

Contact Info **Contact Name:** Kateri Schlessman **Contact Number:** 206.543.3542

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

OFM

360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

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Cost Estimate Number: 74 **Analysis Date:** June 24, 2010
Cost Estimate Title: Odegaard Undergraduate Learning Center June 2010
Detail Title: OUGL June 2010
Project Number: 30000370
Project Title: Odegaard Undergraduate Learning Center, Phase I
Project Phase Title: Odegaard Undergraduate Learning Center, Phase I
Location:
Contact Info **Contact Name:** Kateri Schlessman **Contact Number:** 206.543.3542

Statistics

Gross Sq. Ft.: 73,879
 Usable Sq. Ft.: 59,936
 Rentable Sq. Ft.:
 Space Efficiency: 81%
 Escalated MACC Cost per Sq. Ft.: 151
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years):
 Location Used for Tax Rate:
 Tax Rate: 9.75%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	10-2009	06-2010
Design:	07-2011	03-2012
Construction:	04-2012	07-2013
Duration of Construction (Months):	15	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 10,410,000
MACC (Escalated):	\$ 11,180,410
Current Project Total:	\$ 18,269,993
Rounded Current Project Total:	\$ 18,270,000
Escalated Project Total:	\$ 19,499,930
Rounded Escalated Project Total:	\$ 19,500,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Construction Documents</u>				
A/E Basic Design Services	787,355			
SubTotal: Construction Documents		787,355	1.0428	821,054
<u>Extra Services</u>				
Civil Design (Above Basic Services)	15,000			
Geotechnical Investigation	5,000			
Commissioning (Systems Check)	10,000			
Site Survey	10,000			
Testing	50,000			
Leadership Energy & Environment Design List(LEED)	20,000			
Voice/Data Consultant	7,500			
Landscape Consultant	30,000			
Hazardous Materials Consultant	40,000			
Document Reproduction	8,750			
Specialty Consultants	220,000			
GCCM Selection Review	2,500			
Thermal Scans	7,500			
Move Coordination	5,000			
Rendering, Presentations and Model	2,500			
SubTotal: Extra Services		433,750	1.0428	452,315
<u>Other Services</u>				
Bid/Construction/Closeout	321,937			
HVAC Balancing	20,000			
Staffing	50,000			
Small Contract (Attorneys & DRB)	10,000			
Reimbursables	20,000			
As Builts	7,500			
SubTotal: Other Services		429,437	1.0754	461,817
<u>Design Services Contingency</u>				
Design Services Contingency	165,054			
Change Order Design Allowance	30,000			
SubTotal: Design Services Contingency		195,054	1.0754	209,761
Total: Consultant Services		1,845,596	1.0538	1,944,947
CONSTRUCTION CONTRACTS				
<u>Site work</u>				
G20 - Site Improvements	390,000			
SubTotal: Site work		390,000	1.0558	411,762
<u>Related Project Costs</u>				
Stormwater Retention/Detention	75,000			
Hazardous Materials Remediation and Removal	275,000			
SubTotal: Related Project Costs		350,000	1.0558	369,530
<u>Facility Construction</u>				
B10 - Superstructure	1,150,000			
B20 - Exterior Closure	850,000			
C10 - Interior Construction	1,250,000			
C20 - Stairs	250,000			
C30 - Interior Finishes	1,250,000			
D20 - Plumbing Systems	320,000			
D30 - HVAC Systems	1,700,000			
D40 - Fire Protection Systems	20,000			
D50 - Electrical Systems	1,200,000			
F10 - Special Construction	50,000			
F20 - Selective Demolition	280,000			
Estimating Contingency	1,350,000			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
SubTotal: Facility Construction		9,670,000	1.0754	10,399,118
Maximum Allowable Construction Cost (MACC)		10,410,000	1.0700	11,180,410
<u>GCCM or Design Build Costs</u>				
GCCM Fee	350,000			
Bid General Conditions	425,000			
GCCM Preconstruction Services	250,000			
Negotiated Support Services	200,000			
SubTotal: GCCM or Design Build Costs		1,225,000	1.0754	1,317,365
<u>Construction Contingencies</u>				
Management Reserve	260,250			
Allowance for Change Orders	1,041,000			
SubTotal: Construction Contingencies		1,301,250	1.0754	1,399,364
Sales Tax		1,261,285	1.0743	1,354,971
Total: Construction Contracts		14,197,535	1.0743	15,252,110
EQUIPMENT				
E10 - Equipment	200,000			
E20 - Furnishings	500,000			
SubTotal:		700,000	1.0754	752,780
Sales Tax		68,250	1.0754	73,396
Total: Equipment		768,250	1.0754	826,176
ART WORK				
Total: Art Work		55,902	1.0000	55,902
OTHER COSTS				
Advertising	5,000			
Metro Connection Fees	10,000			
In Plant Services	65,000			
Temporary Facilities	16,500			
Permits	147,604			
Insurance (Builders Risk)	30,000			
Connectivity	50,000			
Total: Other Costs		324,104	1.0558	342,189
PROJECT MANAGEMENT				
Agency Project Management	1,078,606			
Total: Project Management		1,078,606	1.0000	1,078,606

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

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Cost Estimate Number: 74

Report Number: CBS003

Cost Estimate Title: Odegaard Undergraduate Learning Center June 2010

Date Run: 9/2/2010 4:59PM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000370	30000370
Cost Estimate Number	74	74
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:16PM

Project Number: 20082006
Project Title: UW Bothell

Description

Project Phase Title: UW Bothell Phase 3
Starting Fiscal Year: 2008
Project Class: Program
Agency Priority: 7

Project Summary

This is a re-appropriation request to complete the design and request state funds of \$62,850,000 for the construction of UW Bothell Phase 3. Enrollment growth at UW Bothell requires expanded academic facilities capacity. Phase 3 will provide facilities to address changes in program requirements and accommodate growth of at least an additional 600 FTE students . These facilities will support expanded and new degree programs and will serve to transition the campus to the 4-year curriculum. . The increased capacity of the Phase 3 academic building will facilitate development of programs specifically targeted toward career paths needed to support the regional workforce including science, technology, engineering, math and health. . The project will include instructional laboratories necessary to support science and technology programs, a 200 seat lecture hall, and classrooms that are sized and configured to meet the needs of the lower division curriculum that was initiated in 2006. Necessary infrastructure upgrades and site improvements are also included in this project.

Project Description

This is a re-appropriation request to complete design and a request for construction funding of UW Bothell Phase 3. This phase will address changes in program requirements stemming from the addition of a lower division program at the UW Bothell. The project will include instructional laboratories necessary to support science and technology programs, a 200 seat lecture hall, and classrooms that are sized and configured to meet the needs of the lower division curriculum that was initiated in 2006..Necessary infrastructure upgrades and site improvements are also included in this project. The current project scope includes a 74,700 gross square foot building (formerly estimated to be 71,000 in the predesign study), adjacent site work, necessary infrastructure improvements and conversion of the existing server room into a classroom.

Location

City: Bothell County: King Legislative District: 001

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

See attached GMA Questionnaire

New Facility: Yes

How does this fit in master plan

See attached GMA Questionnaire

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	68,000,000	106,242	4,043,758	1,000,000	62,850,000
	Total	68,000,000	106,242	4,043,758	1,000,000	62,850,000

Future Fiscal Periods

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:16PM

Project Number: 20082006
Project Title: UW Bothell

Funding

	<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1 State Bldg Constr-State				
Total	0	0	0	0

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Pre-design	08/01/2008	02/01/2010
Design	2/1/2010	6/1/2011
Construction	7/1/2011	7/1/2013

	<u>Total</u>
Gross Square Feet:	74,800
Usable Square Feet:	39,534
Efficiency:	52.9%
Escalated MACC Cost per Sq. Ft.:	464
Construction Type:	College Classroom Facilities
Is this a remodel?	No
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	656,574	1.0%
Construction Documents	3,091,980	4.6%
Extra Services	1,130,172	1.7%
Other Services	1,223,182	1.8%
Design Services Contingency	1,215,603	1.8%
Consultant Services Total	7,317,512	10.8%
Maximum Allowable Construction Cost(MACC)	34,687,070	
Site work	0	0.0%
Related Project Costs	332,450	0.5%
Facility Construction	34,354,620	50.5%
GCCM Risk Contingency	729,755	1.1%
GCCM or Design Build Costs	4,721,122	6.9%
Construction Contingencies	5,204,557	7.7%
Non Taxable Items	0	0.0%
Sales Tax	4,307,539	6.3%
Construction Contracts Total	49,650,043	73.0%

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 4:16PM

Project Number: 20082006
Project Title: UW Bothell

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Equipment		
Equipment	6,287,120	9.3%
Non Taxable Items	0	0.0%
Sales Tax	597,276	0.9%
Equipment Total	<u>6,884,396</u>	<u>10.1%</u>
Art Work Total	173,435	0.3%
Other Costs Total	1,940,200	2.9%
Project Management Total	2,034,414	3.0%
Grand Total Escalated Costs	<u><u>68,000,000</u></u>	
Rounded Grand Total Escalated Costs	68,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20082006	20082006
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 3:31PM

Project Number: 20082006
Project Title: UW Bothell

Description

Project Phase Title: UW Bothell Phase 3
Starting Fiscal Year: 2008
Project Class: Program
Agency Priority: 7

Project Summary

This is a re-appropriation request to complete the design and request state funds of \$62,850,000 for the construction of UW Bothell Phase 3. Enrollment growth at UW Bothell requires expanded academic facilities capacity. Phase 3 will provide facilities to address changes in program requirements and accommodate growth of at least an additional 600 FTE students . These facilities will support expanded and new degree programs and will serve to transition the campus to the 4-year curriculum. . The increased capacity of the Phase 3 academic building will facilitate development of programs specifically targeted toward career paths needed to support the regional workforce including science, technology, engineering, math and health. . The project will include instructional laboratories necessary to support science and technology programs, a 200 seat lecture hall, and classrooms that are sized and configured to meet the needs of the lower division curriculum that was initiated in 2006. Necessary infrastructure upgrades and site improvements are also included in this project.

Project Description

This is a re-appropriation request to complete design and a request for construction funding of UW Bothell Phase 3. This phase will address changes in program requirements stemming from the addition of a lower division program at the UW Bothell. The project will include instructional laboratories necessary to support science and technology programs, a 200 seat lecture hall, and classrooms that are sized and configured to meet the needs of the lower division curriculum that was initiated in 2006..Necessary infrastructure upgrades and site improvements are also included in this project. The current project scope includes a 74,700 gross square foot building (formerly estimated to be 71,000 in the predesign study), adjacent site work, necessary infrastructure improvements and conversion of the existing server room into a classroom.

Location

City: Bothell **County:** King **Legislative District:** 001

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

See attached GMA Questionnaire

New Facility: Yes

How does this fit in master plan

See attached GMA Questionnaire

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	68,000,000	106,242	4,043,758	1,000,000	62,850,000
	Total	68,000,000	106,242	4,043,758	1,000,000	62,850,000

Future Fiscal Periods

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 3:31PM

Project Number: 20082006
Project Title: UW Bothell

Funding

	<u>2013-15</u>	<u>2015-17</u>	<u>2017-19</u>	<u>2019-21</u>
057-1 State Bldg Constr-State				
Total	0	0	0	0

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	08/01/2008	02/01/2010
Design	2/1/2010	6/1/2011
Construction	7/1/2011	7/1/2013

	<u>Total</u>
Gross Square Feet:	74,800
Usable Square Feet:	39,534
Efficiency:	52.9%
Escalated MACC Cost per Sq. Ft.:	464
Construction Type:	College Classroom Facilities
Is this a remodel?	No
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	656,574	1.0%
Construction Documents	3,091,980	4.6%
Extra Services	1,130,172	1.7%
Other Services	1,223,182	1.8%
Design Services Contingency	1,215,603	1.8%
Consultant Services Total	7,317,512	10.8%
Maximum Allowable Construction Cost(MACC)	34,687,070	
Site work	0	0.0%
Related Project Costs	332,450	0.5%
Facility Construction	34,354,620	50.5%
GCCM Risk Contingency	729,755	1.1%
GCCM or Design Build Costs	4,721,122	6.9%
Construction Contingencies	5,204,557	7.7%
Non Taxable Items	0	0.0%
Sales Tax	4,307,539	6.3%
Construction Contracts Total	49,650,043	73.0%

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 3:31PM

Project Number: 20082006
Project Title: UW Bothell

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Equipment		
Equipment	6,287,120	9.3%
Non Taxable Items	0	0.0%
Sales Tax	597,276	0.9%
Equipment Total	<u>6,884,396</u>	<u>10.1%</u>
Art Work Total	173,435	0.3%
Other Costs Total	1,940,200	2.9%
Project Management Total	2,034,414	3.0%
Grand Total Escalated Costs	<u><u>68,000,000</u></u>	
Rounded Grand Total Escalated Costs	68,000,000	

Operating Impacts

No Operating Impact

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20082006	20082006
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation

***University of Washington
Tacoma Land Acquisition/Soils Remediation Project Proposal***



Institution		Agency Code
University of Washington		360
Project Title	Category of Project	Project Number
UW Tacoma Land Acquisition/Soils Remediation	LAND ACQUISITION	20022029
County	City	Legislative District
Pierce	Tacoma	027
Was this project included in a prior 10-year capital plan? If yes, when?		Previous Project Number
2007-09		20022029
Prepared By:	Phone Number	Analysis Date:
Colleen Pike	206-543-6277	July 27, 2010

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation**1. Project Schedule:**

	Start Date	Complete Date
Predesign		
Design		
Bid		
Construction/Occupancy/Acquisition	2011-13	2011-13

2. Problem Statement (short description of the project – the needs and the benefits):

The University of Washington Tacoma is responsible for providing increased access to higher education for students in the South Puget Sound. In response to legislative mandate, UW Tacoma transformed from a nontraditional, upper division/transfer and graduate student campus, to a four-year campus also serving traditional age, recent high school graduates in the fall of 2006. This required UW Tacoma to modify curriculum, expand student services, and modify classrooms and campus infrastructure to fit a dramatic change in mission. In 2008, UW Tacoma updated its campus master plan to respond to the additional needs of this undergraduate population to include student support services and facilities.

As a result of this change in mission, the number of FTE students served by UW Tacoma has increased by nearly 50% in only three years, from 1,862 FTE in Fall 2006 to 2,762 FTE in Fall 2009.¹ The campus plans continuing enrollment growth over the next decade. Enrollment growth from autumn 2010 to 2020 is expected to increase to over 5,800 FTE. This is a 117% increase in enrollment using a 7 – 9.9% annual growth rate. Meeting such dramatic increases in demand will severely strain the capital and space resources of the campus. Even after the completion of Phase 3 in the summer of 2012, the campus will still face a shortfall of over 1,500 classroom stations by 2017. Meeting this additional demand will require implementation of Phases 4 and 5 of the campus master plan which require the purchase of portions of the campus footprint not currently owned by the University.

Currently, the University owns approximately 60% of the entire 46-acre area shown in Appendix A and B. Approximately 7.5 acres of individual parcels remain to be acquired. The University has identified several parcels that will need to be acquired in the next biennium in order to expand facilities with Phases 4 and 5 of the master plan. The requested funding would be used to acquire parcels strategically.

Funding to continue to acquire properties within the campus footprint will provide critical flexibility in implementing the campus master plan, supporting the extension of infrastructure improvements and additions to the UW Tacoma campus. The purchase of these parcels is necessary for the implementation of infrastructure projects critical to the continued and sustainable growth of the campus. Improvements and additions would be guided by the campus master plan and would provide undergraduate and graduate program space, student life facilities, and student support spaces necessary for a public urban university.

¹ University of Washington Tacoma Office of Institutional Research and Planning Online Report, “Student FTE by Class Level and Program”

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation

Remediation

The University of Washington requests funding to conduct continuing remediation of groundwater and soil contamination on the campus. Currently two parcels, known as the Howe and Williams Oil Filter, have been identified by the Washington State Department of Ecology as two distinct sites under remediation in an interim action cleanup (maps included in Appendix C and D). The Department of Ecology has indicated that the campus (formerly a light-medium industrial site) has several other sites of contamination within the campus boundaries. The contaminants contain trichloroethene (TCE), petroleum hydrocarbons, perchloroethylene (PCE) and possibly other contaminants that will require further studies, analysis and remediation. The Department of Ecology and the UW are working together to survey and analyze the areas to develop appropriate action plans. A status report summarizing the results of the TCE investigation (prepared by URS Corporation) is included in Appendix E. This data indicates that there is TCE in the groundwater beneath most of the UW Tacoma campus. The Department of Ecology has verbally informed the UW that they are expanding the scope of the current Agreed Order cleanup action plan to cover the entire UW Tacoma 46 acre area shown in Appendix A. A portion of this funding request is for required surveys, analysis, consultant services, installation of monitors, and other activities required to support the remediation for the expanded scope of the Agreed Order for the 2011-13 biennium.

3. University programs addressed or encompassed by the project:

The current inventory of UW Tacoma facilities cannot meet projected space requirements and cannot be renovated to support planned enrollment growth and program development. The acquisition of land on the campus footprint will provide critical flexibility in planning, locating and constructing future academic facilities and student life facilities within the next 3 to 5 years. Finally, continued acquisition of land in the UW Tacoma footprint will ensure that the campus continues to meet the higher education access needs of the residents of the South Sound and the State of Washington.

The acquisition of additional parcels is required for the implementation of Phases 4 and 5 of the UW Tacoma campus master plan as well as an initial phase of a future 'green' power plant using sustainable strategies to serve the campus. Phases 4 and 5 will provide additional space to provide teaching, learning, and support space for over 3,000 additional FTE students. Land purchases will position UW Tacoma to provide:

- Undergraduate and graduate classrooms and seminar rooms;
- Specialized science facilities required for new and expanded science curricula, which may include a variety of traditional and non-traditional labs and systems to support study in microbiology, biochemistry, and psychology, as well as chemistry lab classrooms, multiple purpose science classrooms and associated support areas;
- Computer science facilities;
- Clinical nursing facilities; and
- High efficiency green heating, cooling, and power delivery to campus facilities.

The UW Tacoma's continued growth will include the expansion of academic programs or new degrees in all program areas. Consistent with the future capital projects outlined above, UW Tacoma estimates that approximately half of its FTE growth will be in high demand program areas, including those related

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation

to the sciences and health care. UW Tacoma also will build on its existing strengths by launching undergraduate programs in Criminal Justice, Writing Studies, Hispanic Studies, History, and Sustainable Urban Development, as well as a graduate degree in Community and Metropolitan Studies.

The acquisition of parcels in the UW Tacoma campus area footprint is also required for the construction of a planned condenser water loop system for heating and cooling campus infrastructure. A core recommendation of the 2009 UW Tacoma Infrastructure Master Plan, this system will have the capacity to provide carbon-neutral heating and cooling. The central plant for this system would also house a main electrical distribution center which will allow for more efficient power distribution and use, while affording opportunities for alternative power generation.

4. Supports Institutional Plans:

a. Describe the proposed project's relationship and relative importance to the institution's

(a) Campus/Facilities Master Plan

(b) Strategic Plan

Integral to Achieving Statewide Policy Goals

The acquisition of parcels on the UW Tacoma footprint will allow the campus to develop Phases 4 and 5 of the campus master plan and provide flexibility when planning future phases to accommodate continued enrollment and programmatic growth. This will result in:

- Increases in the number of bachelor's degrees awarded - Phase 4 of the campus master plan will support an increase of an additional estimated 600 FTE students upon its completion;
- Increases in the number of graduates in high demand fields - Phase 4 and 5 of the campus master plan will support an increase of high demand students upon the completion of each phase;
- Increases in number of advanced degrees awarded;
- Improved access to higher education in the underserved South Sound region through new and expanded programs;
- Strengthened regional economic development & innovation through education, research, and community engagement;
- Reduced carbon footprint and development of more energy efficient infrastructure systems that have a lower life cycle cost.

UW Tacoma will experience significant enrollment growth with increasing demands for more facilities. In turn, more undergraduate and graduate students will obtain degrees in all fields and particularly in areas of critical state need, e.g. science and health care. All of this will spur economic development for Tacoma and the surrounding region well into the next decade.

Campus Master Plan

The proposed project is consistent with the 2008 UW Tacoma Campus Master Plan. A copy of the current Master Plan can be downloaded from: http://www.tacoma.washington.edu/admin_services/csp/

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation

Additional land will support the State's long-term vision for the UW campus in Tacoma, enabling it to more practically accommodate needed facilities, and supporting its efforts to adhere to the following master plan guiding principles:

- Access to an exceptional university education;
- An interdisciplinary approach to knowledge and discovery in the 21st century; and
- A strong and mutually supportive relationship between the campus and its surrounding communities.

In addition, this request will achieve the following Master Plan goals:

- Enhance and Develop the Campus;
- Provide Access to an Exceptional University Education;
- Connect Knowledge Across Disciplines;
- Create Bonds with the Community; and
- Support Diversity.

Campus Facilities Plan

The proposed project is consistent with the UW Tacoma Infrastructure, Transportation, and Sustainability Plans, copies of which are available at http://www.tacoma.washington.edu/admin_services/csp/. The purchase of parcels in the UW Tacoma footprint is necessary for the implementation of a variety of infrastructure projects critical to the continued and sustainable growth of the campus. Most important of these is a high-efficiency central plant that will use traditional and novel technologies to provide green heating, cooling, and power delivery to all campus buildings. The campus has operated to date without the operating efficiency of a central plant.

The new central plant will service future campus development and existing campus facilities as existing units exceed their useful service life or as technological advances make their connection to the central plant (and its innovative technologies) fiscally and environmentally efficient. This plant would house the central pump station for the condenser loop water system as described in Option Two of the Mechanical portion of the November 2008 UW Tacoma infrastructure Master Plan. This option is recommended by the infrastructure master plan and provides the campus with the opportunity to incorporate a variety of energy sources ranging from traditional, existing boilers and chillers to the more innovative technologies including, but not limited to: geothermal heat exchange, heat reclamation, solar panels, bio-fuel boilers and sanitary sewer heat exchangers. In addition, this central plant would house the campus main electrical distribution center providing the ability to centrally control and manage the distribution of operational and emergency power. Finally, the plant will position the campus to take advantage of alternative power generating opportunities from wind, solar and new technologies. The construction of a central plant is a key element in the campus' ability to achieve carbon footprint neutrality by the targeted goal of 2030.

University of Washington Strategic Plan

The fundamental mission of the University of Washington is to provide education, research, and service at a nationally competitive level to the citizens of Washington State. The University of Washington's request for land acquisition funding will contribute to the growth of UW Tacoma which is consistent with several of the University of Washington core strategic goals:

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation

- Attract a diverse and excellent student body and provide a rich learning experience.
 - This proposal supports the legislatively directed student growth goals by providing the property needed for expansion.
- Strengthen interdisciplinary research and scholarship to tackle “grand challenge” problems that will benefit society and stimulate economic development.
 - Land Acquisition is the next step in a process that will ultimately provide campus spaces for education, research, collaboration and interaction.
- Expand the reach of the UW from our community and region across the world to enhance global competitiveness of our students and the region.
 - Enhancing the local community and economy with facilities and educational services has been a priority since the inception of UW Tacoma. Land Acquisition is needed to expand access to the high quality education which is a cornerstone of preparing students to succeed in a global economy.
- Maintain and build resources, infrastructure, and facilities to insure the highest level of integrity, compliance and stewardship.
 - Acquiring land/buildings and providing funding for soils remediation is key to meeting campus growth objectives with integrity, compliance and stewardship.

b. Identify whether the proposed project is the institution’s first, second, or third priority for state funding among all of Infrastructure, Land Acquisition, or Predesign Requests the institution is proposing for the 2011-13 biennium.

- First priority
- Second priority**
- Third priority

5. Reasonableness of Cost:

Provide as much detailed cost information as possible, including baseline comparison of costs per acre of 2 comparable properties in the same geographic region as the proposed land acquisition. For each comparison, identify how the selected parcel(s) is comparable.

Comparable Land Acquisition	Location	Total Acreage	Acquisition Cost	Cost per Acre
Comparable #1	910 Market Street	.21 (9,000 square feet)	\$550,000	\$2,662,000 (\$61.11 per square foot)
Comparable #2	2366 Tacoma Avenue South	.32 (13,800 square feet)	\$750,000	\$2,367,391 (\$54.35 per square foot)

Comparable properties were selected due to their geographic proximity to campus, size, and level of development as compared to several properties located in the UW Tacoma footprint, but not currently owned by the University. At this time, the estimated value of tracts under consideration is approximately 87% of the Comparable Land Cost per Acre.

Land Acquisition Category

2011-13 Biennium

Higher Education Project Proposal

University of Washington, Tacoma Land Acquisition/Soils Remediation**6. Intended Use:**

Funding would be used to purchase parcels located throughout the UW Tacoma campus footprint. The exact parcels to be purchased are unknown at this time. Their use would depend on their location in the campus footprint and the implementation of Phases 4 and 5 of the campus master plan.

7. Percentage of Buildable Area (*amended 9-1-2010 to reflect answer included in addendum*):

Funding would be used to purchase parcels located throughout the UW Tacoma campus footprint. The exact parcels to be purchased are unknown at this time and environmental review and engineering inspection are unavailable. The percentage of buildable area exceeds 75% for the sites considered in this project proposal.

8. Greenhouse Gas Emissions Reduction:

a. Provide documentation of institution's adopted policies to reduce greenhouse gas emissions in accordance with RCW 70.235.070 and to reduce annual per capita vehicle miles per RCW 47.01.440 or RCW 43.160.020 as applicable.

- The University has committed to reducing emissions by at least 15% below 2000 levels by 2020 as described in the UW Climate Action Plan. This reduction target meets its obligations under the American College and University Presidents Climate Commitment and the Washington State goals in RCW [70.235.020](#) . A copy of the UW climate action plan can be downloaded at <http://f2.washington.edu/oess/uw-climate-action-plan> The UW Climate Action Plan's executive summary and section on GHG reduction targets is included in the Appendix F.
- The UW's trip reduction policies involve a significant commitment of resources (~\$7.5M in FY2011) and are outlined in the Transportation Management Plan (http://www.washington.edu/community/cmp_site/cmpfinal/07_TMP_FP.pdf) and are operationalized through the U-PASS program (<http://www.washington.edu/admin/rules/APS/53.04.html>). Program results have been dramatic, reducing total daily trip generation by approximately 7,500 trips while campus population grew by 18,000 people. An overview of program results is available at http://www.washington.edu/facilities/transportation/commuterservices/files/reports/U-PASS_Profile2010.pdf.

In an effort to reduce vehicle miles traveled (VMT) from business travel, the University has reduced the size of its automotive fleet by approximately 20% and emphasized carsharing for business travel over assigned department vehicles.

Appendix Table of Contents:

- A. UW Tacoma Campus Master Plan
- B. Currently Owned Parcels in UW Tacoma Campus Footprint
- C. Howe and Williams Plumes
- D. Williams Plume Detail
- E. URS Status Report – Additional Investigation of Soils and Groundwater
- F. Capital Project Request CBS002 and Project Cost Estimate CBS003 reports (required for each project proposal)

Appendix A - UW Tacoma Campus Master Plan Introduction

Introduction

Executive Summary

In 1993, the University of Washington Tacoma's first Campus Master Plan was completed and set the initial vision for a new higher education campus located in the Warehouse District of downtown Tacoma. This location positioned UW Tacoma to be an active participant in the redevelopment of a vital urban district.

Two subsequent major construction phases created the campus' current learning spaces, faculty and staff offices, university library, and open space to support the University's mission to provide upper level degree programs to a population of 2,000 student FTEs. Anticipating steady growth of the campus, the University then completed a 2003 Master Plan that further developed the framework of the future campus and corresponding architectural and landscape guidelines.

UW Tacoma continues to expand its programs and services. In the Fall of 2008, UW Tacoma began to enroll freshmen and sophomores and receive requests from the student body to provide housing. With UW Tacoma's transition from a two-year, upper division and graduate commuter campus to a full, four-year institution

with student housing and associated support such as recreation and a student center, an update to the 2003 Master Plan is required. This includes an update to the long term plan as well as articulation of the next phases of development specific to meeting the new mission.

The major goals of the 2008 Campus Master Plan Update are to enhance the urban character of the existing campus and provide opportunities to strengthen a sense of community as a four-year, residential institution by providing:

- A central open space (the 'heart' of campus) and various smaller green spaces throughout the campus;
- Pedestrian connections up the hill and improved on north/south streets;
- An integration of uses (between residential, student life, and academics) that will accommodate at least 10,000 FTEs;
- Housing facilities accommodating approximately 12% of the student population;
- A pathway and open spaces aligned with a view of Mt. Rainier leading into the campus from the corner of 17th Street and Tacoma Avenues;

- Safer routing of vehicular traffic as Market Street remains open through the campus, and 19th Street between Market and Fawcett is closed to vehicular traffic. The plan accommodates Market Street remaining open, but also could respond to closing Market Street in the future, if appropriate;
- Careful consideration of accessibility on north-south walkways and east-west access through buildings by elevator; and
- Opportunities for retail and private development.

In conjunction with this master plan, an infrastructure master plan has been developed with a focus on identifying strategies for centralized or decentralized service, infrastructure upgrades as the campus grows, and sustainable strategies for energy, carbon, and water. The master plan integrates many of these strategies such as filtering stormwater with rain gardens and developing sustainability guidelines for buildings.

Introduction

Site Context

UW Tacoma is an urban campus which, along with the historic building fabric, establishes its unique character and sense of place. UW Tacoma is dedicated to interdisciplinary and innovative teaching and scholarship and to engaging the community in mutually beneficial partnerships.

Downtown Tacoma

The UW Tacoma campus is nestled within the varied and culturally rich fabric of Downtown Tacoma neighborhoods. To the south of campus is the Tacoma Dome District and the Brewery District, which through redevelopment of the historic brewery buildings and its direct adjacency to the Museum District, is becoming an active arts community. On its north side, the campus connects to the Upper Tacoma Business District, which is the City of Tacoma's civic and financial center. Residential neighborhoods and St. Joseph's Medical Center are located directly west of campus.

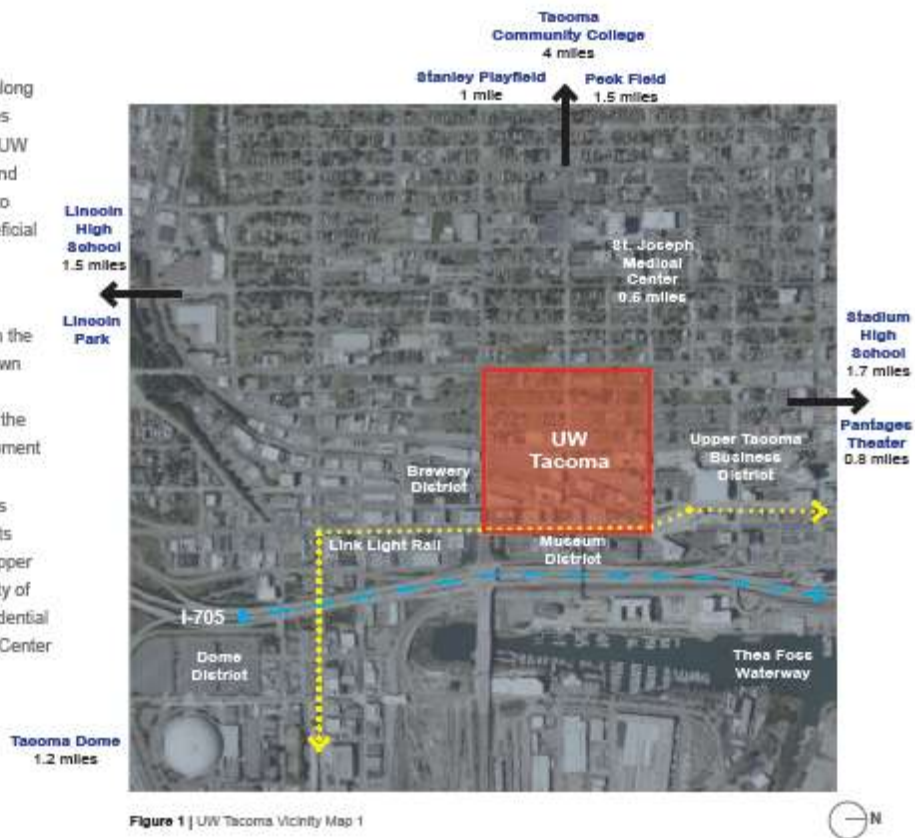


Figure 1 | UW Tacoma Vicinity Map 1



Introduction

Zoning

UW Tacoma is located within the DMU (Downtown Mixed Use) zone. This zone allows for a variety of activities to occur within buildings, including educational services, retail, residential, and industrial use.

There are historic and conservation overlay zones east of Market Street, and the University will continue to respect the historic buildings and features on its site. The existing height limit for the overlays is 85 feet.

The following are the existing height limits for Downtown Tacoma zones:

Downtown Commercial Core	400 feet
<i>Downtown Mixed Use</i>	<i>100 feet</i>
Downtown Residential	90 feet
Hospital/Medical	150 feet
Residential Commercial Mixed Use	60 feet
Multiple Family R4	60 feet
Multiple Family R5	150 feet
Combined Shoreline	100 feet
Warehouse Residential	100 feet
Urban Center Mixed Use	120 feet

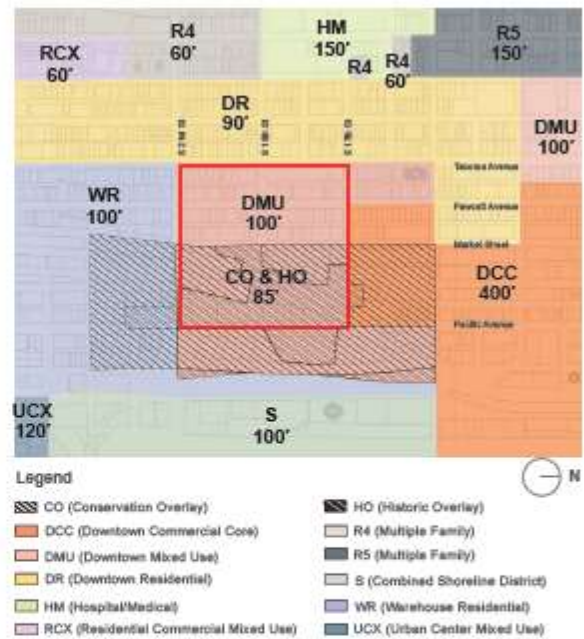


Figure 2 | UW Tacoma Zoning Map

Introduction

The Campus

As stated in the 2003 Campus Master Plan, "The eight block, downtown site of the UW Tacoma Campus is unified by its orthogonal downtown street grid and steep east to west topography. Its upper and lower halves are sharply contrasted by their differing uses and character. The lower, core area is located across Pacific Avenue from the city's restored Beaux Arts railroad station and the new State Historical Museum and is part of the Union Depot/Warehouse Special Review District. An inactive diagonal rail right-of-way, located to achieve a relatively flat rail road gradient, further accentuates the tough, industrial feel of the lower site. Note that this right-of-way has since been designated for a future bicycle and pedestrian path. The upper site is essentially open and undeveloped. Together, the two halves afford remarkable opportunities to create a unique and exciting urban educational institution for the 21st century."

Topography

Also from the 2003 Campus Master Plan: "The 46-acre overall site area is sloped significantly with an east-facing orientation. This slope facilitates dramatic views and presents challenges for building design as well as vehicular and pedestrian accessibility. Generally

the fairly uniform slope equates to two building stories per east-west block, or one-story to mid-block court. This grade change offers a variety of opportunities in the stacking of functions by creating two potential entry levels in each building, as well as allowing for stepped, terraced buildings and mixed uses to exist."



UW Tacoma Campus Boundary

Figure 3 | UW Tacoma Vicinity Map 2

Introduction

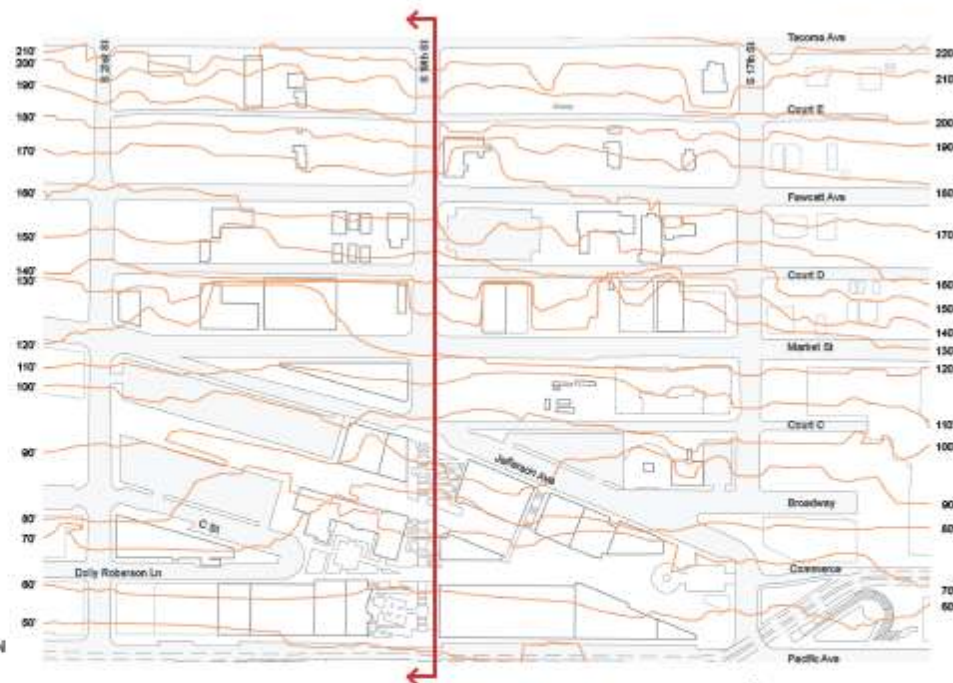


Figure 4 | Topographical Site Plan
Scale: 1"=100'-0"

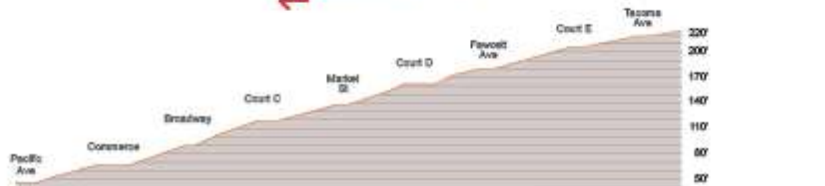


Figure 5 | Topographical Section
Horizontal Scale: 1"=100'-0"
Vertical Scale: 1"= 50'-0"

Introduction

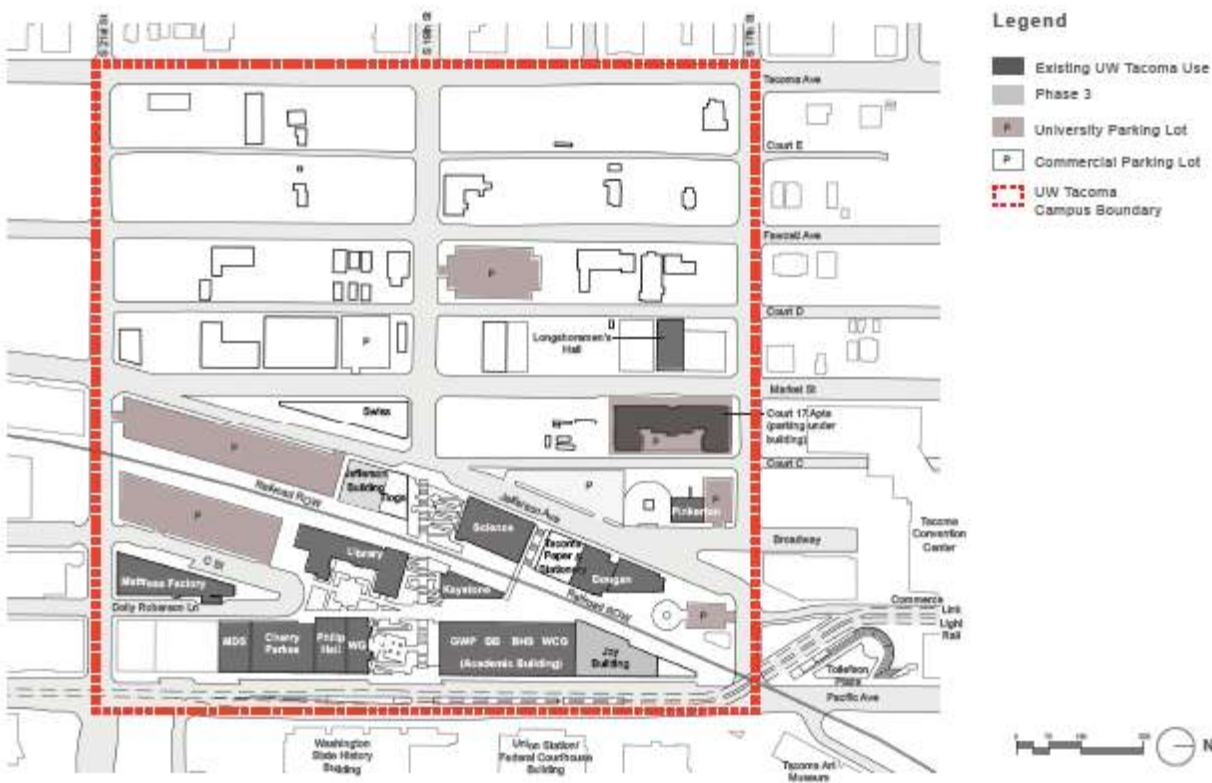


Figure 6 | UW Tacoma Campus Map

Introduction

Campus Facilities

Many of the buildings on the UW Tacoma campus are repurposed warehouses and industrial buildings adapted for academic use. The character of these buildings is highly valued, and as new buildings are constructed on the campus, careful attention must be paid to how the new buildings integrate with the existing campus context. Between 1993-2003, the campus grew to include 12 buildings.

Since the 2003 Master Plan was completed, three buildings have been added to the campus. The following buildings have been brought online to address UW Tacoma's growing need for student activity and community spaces.

Longshoremen's Hall

The Longshoremen's Hall, located on Market Street across from the Court 17 apartments, is approximately 10,000 square feet and features a collaborative learning space, a large event and recreation area, a gaming center, outdoor recreation courts, and an on-line gaming room.

This building is an interim accommodation responding to an immediate need for student activity and recreation space on the UW Tacoma

campus. When a new student recreation center is built, Longshoremen's Hall may be used for other university functions, and in the long term, will be replaced by new development.

William W. Philip Hall

William W. Philip Hall is a 20,000 square foot assembly hall that meets UW Tacoma's need for a large multi-purpose gathering space. The site is east of the library, flanked on the south by the Cherry Parkes Building, to the north by the Walsh Gardner Building and to the east by Pacific Avenue. The building was designed to function as an assembly space for lecture events, banquets, career fairs, student exhibits, and various gatherings for approximately 350 to

500 people. When event space is not needed, the space is used as a student commons.

McDonald & Smith Building

The McDonald & Smith Building (MDS) was purchased by UW Tacoma in 2006, and is a 36,000-square-foot building with residential apartments and three retail tenants, including the Clover Park Technical College Downtown Center.

Media Services and the Student Multimedia Lab have moved to this building, and the upper two floors will be converted into upper-division student housing.



Longshoremen's Hall



William W. Philip Hall

Introduction

Phase 3

A predesign has been completed for the next construction phase (Phase 3) at UW Tacoma, and the schematic design process has begun for two new academic buildings, scheduled for completion of construction in 2012. The images shown to the right are schematic renderings of each building.

Joy Building Renovation

The Joy Building is located on Pacific Avenue directly adjacent to UW Tacoma's West Coast Grocery Building (WCG). Constructed in 1992, it is a three-story building with approximately 47,700 square feet. This building renovation will provide UW Tacoma with a mix of classroom, office, and retail space.



Joy Building, courtesy of THAArchitecture Inc.

Jefferson Avenue Building

The Jefferson Avenue Building will be located south of the Tioga Building and across the railroad right-of-way from the existing Library. It will provide 37,000 square feet of classroom, office, and library expansion space.



Jefferson Avenue Building, courtesy of THAArchitecture Inc.

Process

UW Tacoma's Building Advisory and Design Review Committee guided the master plan team through three phases to develop the 2008 Campus Master Plan Update.

Phase One: Information Gathering

1. Meet with the following UW Tacoma campus representatives and stakeholders to learn what is valued about the campus, what needs to be improved, and the future vision of UW Tacoma
 - UW Tacoma students, faculty, and staff
 - Neighboring community members
 - The City of Tacoma and municipal service providers (transit, utilities, etc.)
 - Regional higher education institutions
2. Define square footage needs for the full build-out of the campus (10,000 student FTEs)

Phase Two: Master Plan Alternatives

1. Develop Master Plan Alternatives
2. Present options to UW Tacoma campus representatives and stakeholders



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Phase Three: Master Plan Refinement and Documentation

1. Prepare Master Plan Update based on the feedback received in Phase 2
2. Present the Master Plan Update to all stakeholders (Campus, Community, City of Tacoma and UW Board of Regents)

Community Involvement

Because of UW Tacoma's prominent role in downtown Tacoma and its impact on the city (i.e. relative to transportation, circulation, etc.), the master planning process included a wide variety of community participation. The following is a list of groups who provided valuable input:

City of Tacoma

City of Tacoma Mayor and City Manager
 City of Tacoma City Council
 City of Tacoma Landmarks Review Committee
 City of Tacoma Planning Commission
 VIA Architecture – planning consultants for the City of Tacoma Downtown Plan

Tacoma Community

Clover Park Technical College
 Downtown Merchants Group
 Hillside Development Council

Historic Tacoma
 Metro Parks
 New Tacoma Council
 Pierce Transit
 Sound Transit
 South Downtown/Dome District Group
 Tacoma Avenue Coalition
 Tacoma Community College
 Tacoma-Pierce Chamber of Commerce
 Tacoma School of the Arts
 Tacoma Streetcar Advisory Committee
 Tacoma Power
 Tollefson Plaza/Century Park Group
 UW Tacoma Community Advisory Committee

UW Seattle

UW Regents, President, Provost, and Sr. Vice President for Finance and Facilities
 UW Architecture Commission
 UW Landscape Committee
 UW Capital Projects Office
 UW Capital and Space Planning Office
 UW Campus Engineering
 UW Environmental Health and Safety
 UW Environmental Stewardship Advisory Committee

UW Tacoma

UW Tacoma Administrative Services
 UW Tacoma Chancellor's Leadership Council
 UW Tacoma Campus-wide Open Forum
 UW Tacoma Faculty Forum
 UW Tacoma Facilities Services
 UW Tacoma Staff Association
 UW Tacoma Real Estate Office
 UW Tacoma Campus Safety
 UW Tacoma Community Advisory Board

City of Tacoma Planning Projects

Downtown Tacoma Economic Development Strategic Plan

"The City of Tacoma would like to increase commercial investment in the city and provide more job opportunities for the region's residents. In order to provide a blueprint for increased investment, the City of Tacoma's Community and Economic Development Department is partnering with AngelouEconomics, an economic development consulting firm, to develop an economic development strategic plan for downtown Tacoma.

As an additional component, The Community and Economic Development Department's Planning Division has contracted with VIA

Introduction

Architects to review the long-range planning and zoning of the downtown. The overall vision for downtown will be defined consistently for both plans and will be supported by a combined public outreach effort.”

Source: <http://www.cityoftacoma.org/Page.aspx?cid=7905>

Concurrent UW Tacoma Planning Projects

Infrastructure Master Plan

A new plan for campus infrastructure was required to support the goals and vision for the full build out of the campus. Mechanical, electrical, and civil engineers worked with UW Tacoma and Engineering Services at UW Seattle to develop strategies for the growth of the campus and the application of sustainable systems, and provide life-cycle cost assessments. See page 81 for more information.

Library Master Plan

The UW Tacoma Library was originally designed to support a 2,000 FTE campus. With the growth of student enrollment and the additional charge of supporting freshmen and sophomores, the library must expand and organize itself to

best support the future of UW Tacoma. See page 43 for more information.

Evaluation of Transportation Needs

Enrollment growth, expansion of the campus, and increased development of downtown Tacoma will greatly impact parking demand and traffic patterns. These studies identify strategies for parking and transportation systems that support travel by auto, bicycles, pedestrians, and public transit. See page 74 and document supplement for more information.

Campus Life Study

Under the guidance of UW Tacoma's Division of Student Affairs and the Campus Life Advisory Committee, a comprehensive study of the existing and potential campus life facilities at UW Tacoma was implemented to provide direction over the next 5-10 years as more lower division students enroll and the university develops student housing facilities.

Through analysis of student surveys, focus groups, market research, and projected costs, this study makes recommendations for the appropriate type, make-up, size, function and operation of campus life facilities on the UW

Tacoma campus. This study will be posted on the UW Tacoma website in 2009.

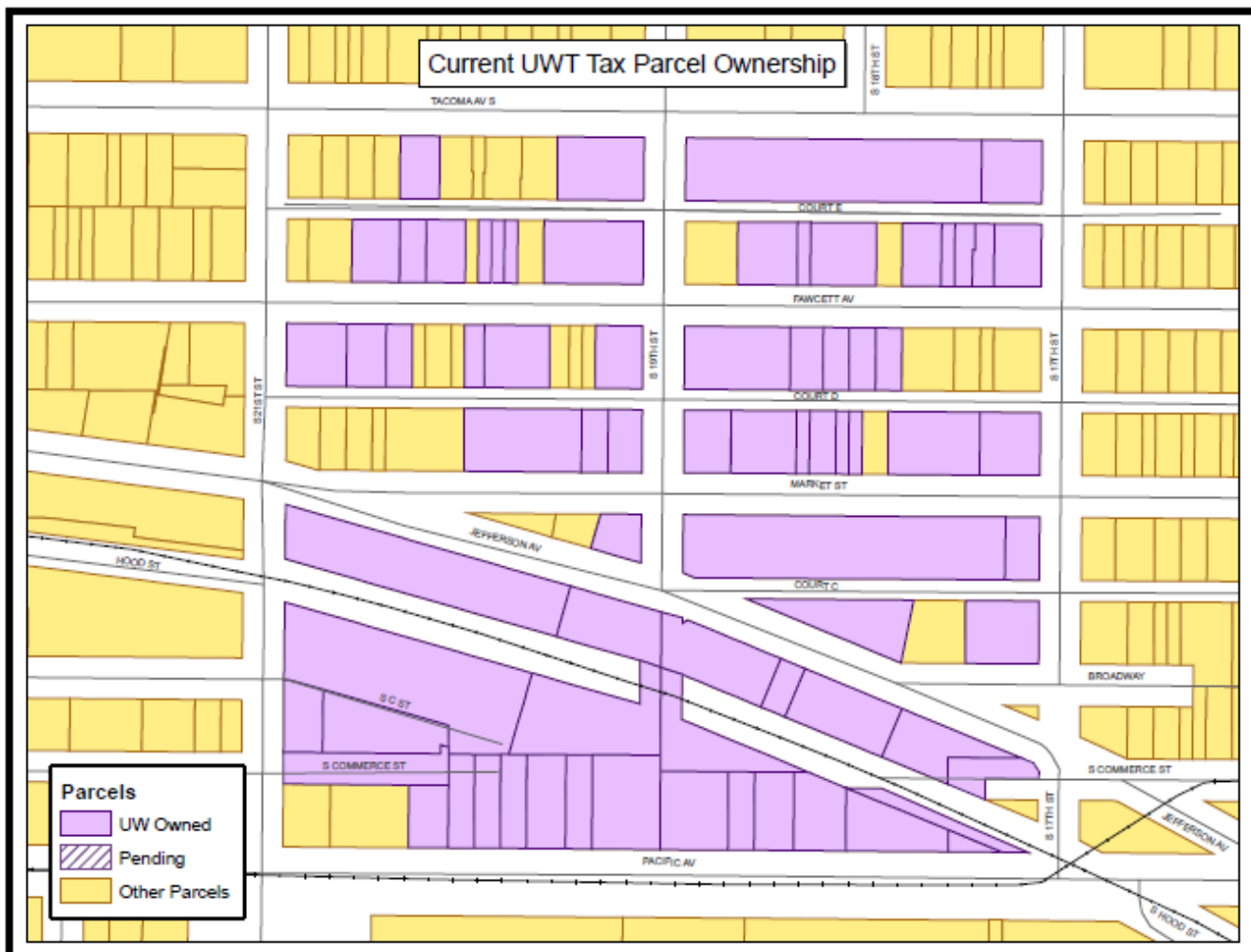
Accessibility Study

The campus-wide accessibility study provides a detailed evaluation of UW Tacoma's campus buildings, grounds, pathways, and university managed parking lots to confirm that these adequately meet the accessibility needs of all individuals and that the University is in compliance with all applicable, local, state, and federal statutes. It also provides a prioritized list of recommended improvements that include wayfinding aids, non-mandated items, and accessibility guidelines for use in the planning and design of future campus expansions and renovations. This study will be completed in Spring 2009.



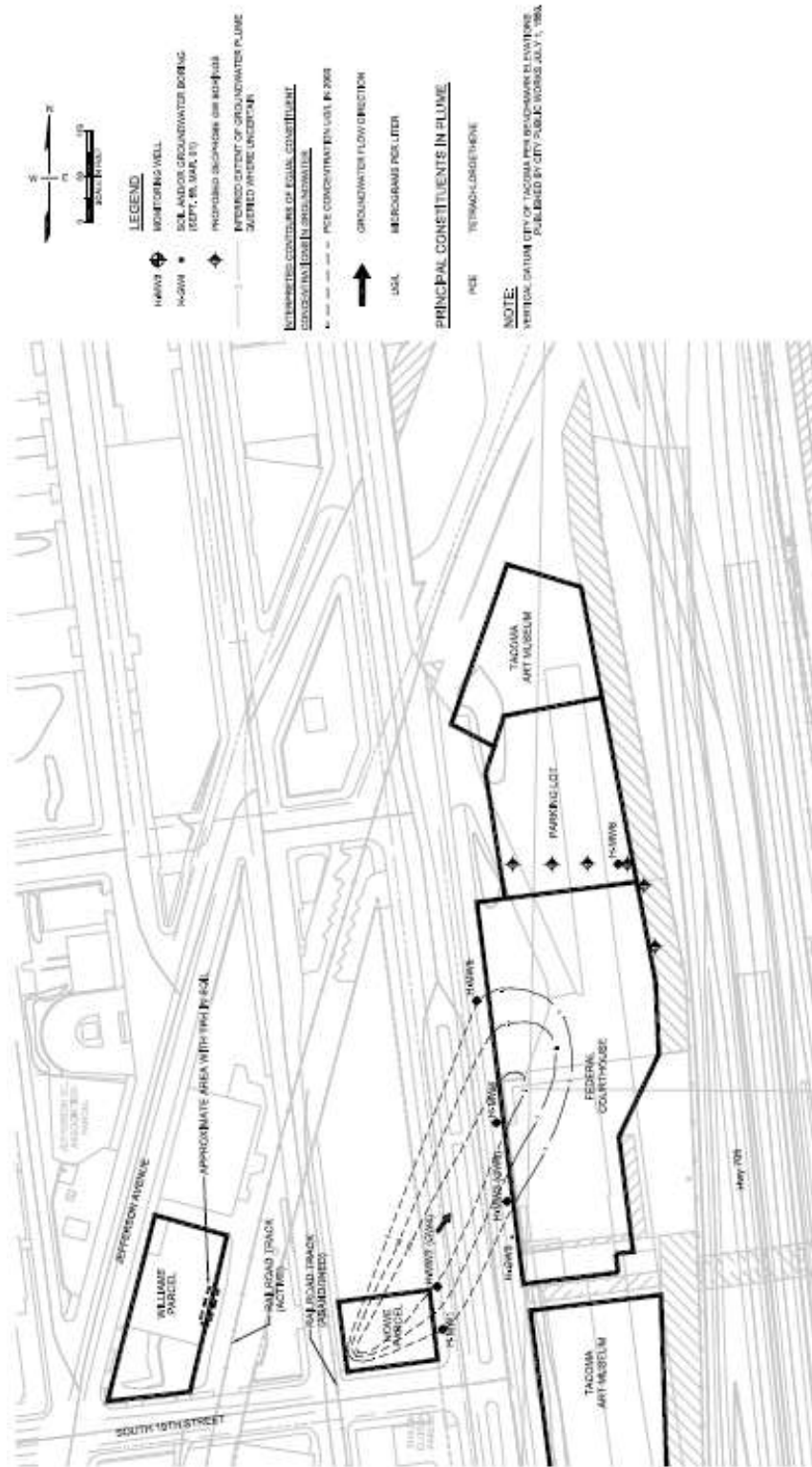
Appendix B:
Currently Owned Parcels

Appendix B - Currently Owned Parcels in UW Tacoma Campus Footprint



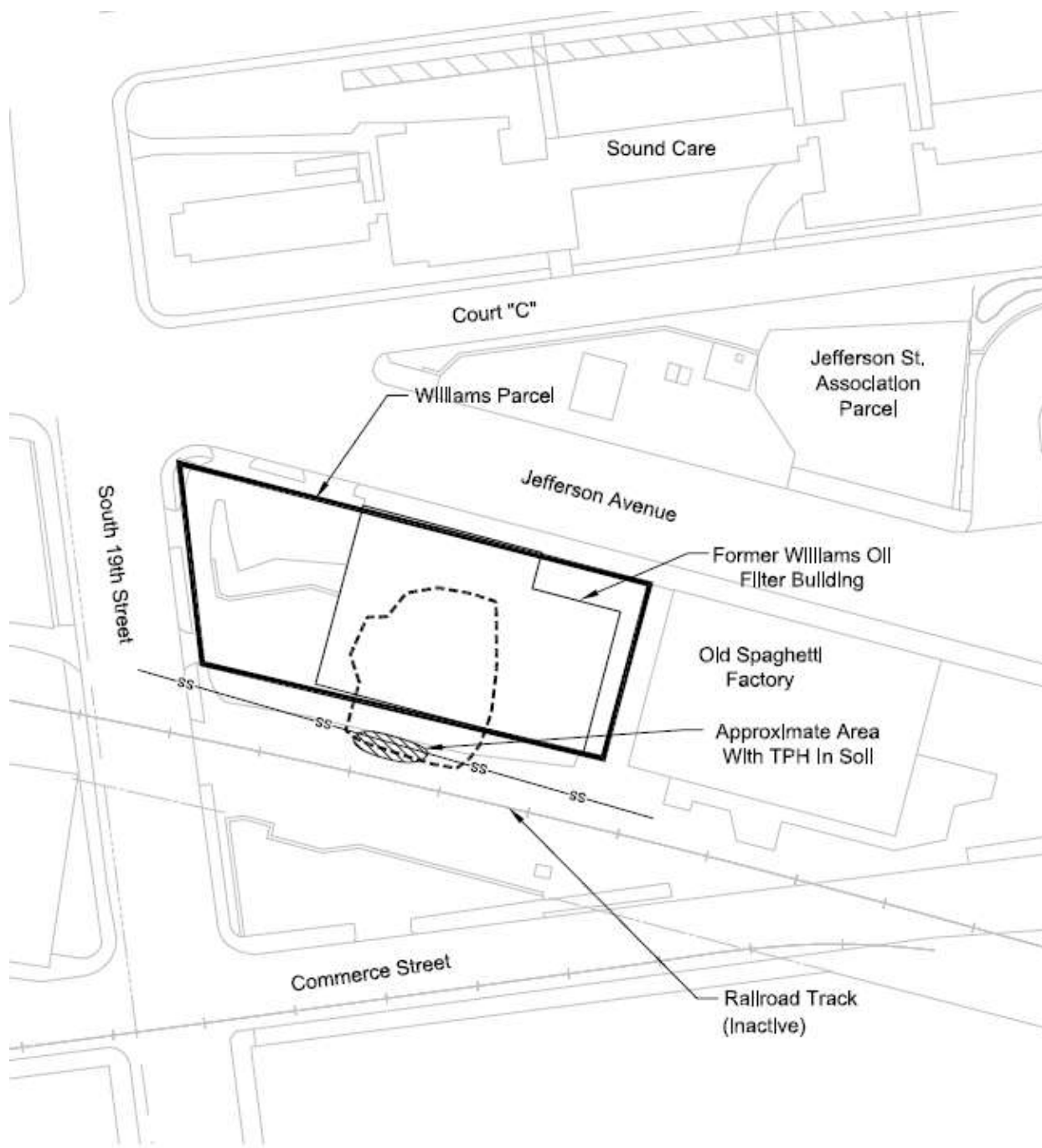
Appendix C:
Howe and Williams Plumes

Appendix C – Howe and Williams Plumes



Appendix D:
Williams Plume Detail

Appendix D - Williams Plume Detail



LEGEND



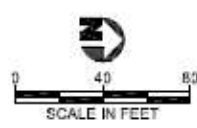
Estimated Area of TPH In Soil



Limits of May 2000 Excavation



Sanitary Sewer





1501 4th Ave, Suite 1400
 Seattle, Washington 98101-1616
 (206) 438-2700
 FAX (206) 438-2699

Memorandum

Appendix E:
 URS Status Report

To: Ashley Kangas, UW Capital Projects From: Mark Molinari
 Cc: David Ogrodnik, UW Facility Services, Job No.: 33761575
 Campus Engineering
 Erin McKeown, UW EH&S Date: June 9, 2009
 Chris Matthews, Ecology

Subject: Status Report: Additional Investigation of Market Street and Tacoma Avenue S.
 Groundwater TCE Plumes, UW Tacoma Campus

Presented in this memorandum is a brief summary of the analytical results for groundwater samples collected from seven new and one existing monitoring wells located between Tacoma Avenue S. and Market Street in Tacoma, Washington (Figure 1). The wells were installed to assess the extent of previously identified trichloroethene (TCE) in groundwater associated with the Market Street and Tacoma Avenue contaminant plumes in the vicinity of the University of Washington (UW) Tacoma Campus. This work was performed consistent with our proposal dated April 23, 2009. A formal report will be submitted when a decision is made by UW regarding whether additional wells or sampling should be conducted.

Drilling was conducted May 4 - 6, 2009 by Cascade Drilling, Inc. using a rotary drilling rig equipped with hollow-stem auger. Soil samples were collected for visual classification and field screened for organic vapors. The newly installed monitoring wells were developed the day of installation using a small submersible pump. The locations of new and existing wells in the Market Street and Tacoma Avenue area are shown on Figures 2 and 3. Groundwater level data are summarized in Table 1.

Monitoring wells UG-MW16 and UG-MW17 were installed in a UW-owned parking lot near the location of a former motorcycle shop (Figure 2). UG-MW16 was installed and screened approximately 7 feet to 22 feet bgs and UG-MW17 from 3 feet to 18 feet bgs. Both wells are screened in coarse sand and gravel. Field screening indicated the presence of organic vapors and solvent odor in soils between approximately 5 and 15 feet bgs at UG-MW16. Field screening did not indicate the presence of organic vapors, odor or staining in soils in UG-MW17.

Monitoring wells UG-MW18 through UG-MW22 were installed in UW-owned vacant lots east of Tacoma Avenue S., and south of S. 19th Street. The wells were located cross-gradient and downgradient of the Madsen and Merlino parcels. TCE was previously detected in groundwater samples from temporary monitoring wells on the Merlino parcel. These samples (from locations KSB-16, -17, -22, -24, and -25 on Figure 2) were collected in 2008



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Market St. and Tacoma Ave. Groundwater TCE
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by Kane Environmental (Figure 2). Field screening indicated organic vapors were present between approximate 10 feet bgs and 20 feet bgs, and below the groundwater interface at 39 feet bgs in UG-MW18. Elevated organic vapors, or evidence of odors or staining were not detected in any of the other well borings. Wells UG-MW18 through UG-MW22 were completed with 15 feet of well screen in variable soils ranging from sandy silt and silt, fine to medium sand, and gravelly sand.

Groundwater samples were collected from the new wells and existing well UG-MW14 on May 14, 2009 and May 15, 2009 and submitted to Test America located in Bothell, Washington for analysis for volatile organic compounds (VOCs) by EPA method 8260B and 8260B-SIM, and for total petroleum hydrocarbons (TPH) in gasoline and diesel ranges by methods NWTPH-Gx and NWTPH-Dx, respectively. The previous (2007-2008) and new groundwater analytical results are summarized in Table 2 and TCE results are shown on Figure 2. Copies of the laboratory analytical reports and data validation memos will be transmitted with the full report. A map showing the interpreted groundwater elevation contours is presented on Figure 3.

TCE was detected in groundwater in all seven newly installed monitoring wells and UG-MW14 at concentrations above the MTCA Method A (5 ug/L) groundwater cleanup level. The highest TCE concentrations were detected in the westernmost (upgradient) wells UG-MW18 (1,170 ug/L) and UG-MW19 (500 ug/L). TCE concentrations in UG-MW16, UG-MW17, UG-MW18, UG-MW19 and UG-MW-20 samples are greater than or similar to the TCE concentrations previously detected in groundwater beneath Market St. downgradient of well UG-MW14. Tetrachloroethene (PCE) was detected in groundwater in five of the newly installed monitoring wells (UG-MW-16, UG-MW-17, UG-MW18, UG-MW19 and UG-MW20) at concentrations above the MTCA Method A (5 ug/L) or B (0.081 ug/L) groundwater cleanup levels. Other VOCs detected in one or more May 2009 groundwater samples include 1,1-dichloroethene, 1,1-dichloroethane, chloroform cis-1,2-dichloroethene, 1,1,1-trichloroethane, trans-1,2-dichloroethene, chlorobenzene and vinyl chloride (Table 2).



We appreciate the opportunity to assist UW on the project and trust this memorandum meets your current needs. Please contact Mark Molinari at (206) 438-2235 if you have questions or require additional information.



UW Tacoma Campus
Market St. and Tacoma Ave. Groundwater TCE
June 9, 2009
Page 3

Attachments:

Table 1 – Summary Groundwater Elevations
Table 2 – Summary of Groundwater Analytical Results
Figure 1 – Site Location
Figure 2 – May 2009 TCE Concentrations in Groundwater
Figure 3 – May 2009 Groundwater Elevation

Table 1
Summary of Groundwater Elevations
Market St. and Tacoma Ave Groundwater TCE
UW Tacoma Campus

Well I.D.	Top of Casing Elevation (feet)	Approximate Well Depth (feet)	Screen Length (feet)	Approximate Screen Elevation (ft MSL) Top to Bottom	DTW (feet)				Groundwater Elevation (feet)					
					5/17/2007	5/29/2007	8/20/2008	5/15/2009	Apr-07	5/17/2007	5/29/2007	8/20/2008	5/15/2009	
UG-MW7	123.97	70	15	69 to 54	35.33	35.76	--	36.98	34.92	88.64	88.21	--	86.99	89.05
UG-MW8	123.50	70	15	69 to 54	32.14	32.50	--	34.03	32.02	91.36	91.00	--	89.47	91.48
UG-MW9	123.80	65	15	74 to 59	30.09	30.35	--	NA	29.56	93.71	93.45	--	--	94.24
UG-MW13	122.96	44	20	99 to 79	--	20.25	--	22.50	19.66	--	102.71	--	100.46	103.30
UG-MW14	133.75	37.5	15	96 to 81	--	--	--	22.96	22.18	--	--	--	110.79	111.57
UG-MW16	150.99	22	15	144 to 129	--	--	--	--	10.71	--	--	--	--	140.28
UG-MW17	155.46	18	15	152 to 137	--	--	--	--	3.39	--	--	--	--	152.07
UG-MW18	203.95	49	15	170 to 155	--	--	--	--	34.22	--	--	--	--	169.73
UG-MW19	191.75	39.5	15	166 to 151	--	--	--	--	24.56	--	--	--	--	167.19
UG-MW20	169.64	22	15	163 to 148	--	--	--	--	3.40	--	--	--	--	166.24
UG-MW21	196.31	38.25	15	173 to 158	--	--	--	--	24.68	--	--	--	--	171.63
UG-MW22	158.82	30	15	144 to 129	--	--	--	--	17.76	--	--	--	--	141.06
DD-MW1	122.12	60	15	77 to 62	23.47	24.19	--	25.74	24.6	98.65	97.93	--	96.38	97.52
BA-MW2	124.28	60	15	79 to 64	29.23	28.96	--	NA	27.11	95.05	95.32	--	--	97.17

Notes:

DTW - Depth to Water

MSL = Mean Sea Level

-- = Not Measured

^a Wells gauged April 11, 12, or 19, 2007.

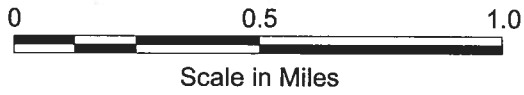
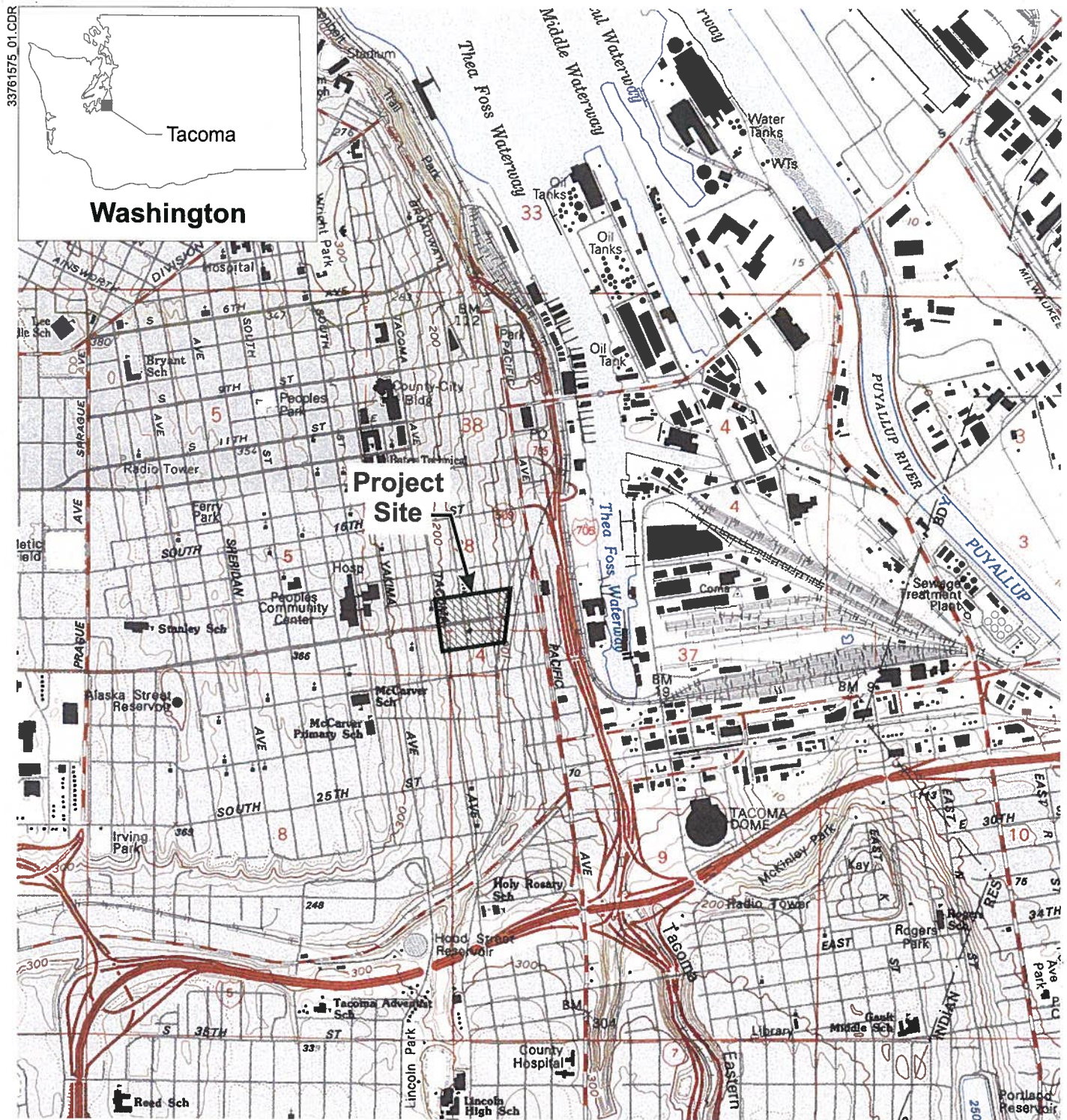
Vertical Datum: NGVD-29 / City of Tacoma per benchmark elevations published by City Public Works, July 1, 1990

Table 2
Summary of Groundwater Analytical Results
2009 TCE Assessment

Sample ID	Sample Date	Volatile Organic Compounds (ug/L)													TPHs (mg/L)				
		Benzene	Carbon disulfide	Chlorobenzene	Chloroform	1,2-Dichloro benzene	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	PCE	Toluene	1,1,1-TCA	TCE	Vinyl chloride	Gasoline-Range	Diesel-Range	Labile Oil-Range
UG-MW7	4/12/2007	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.0500 U	0.0200 U	NA	NA	NA
UG-MW8	4/11/2007	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW9	4/19/2007	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW13	5/17/2007	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW14	8/7/2008	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW14	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW-16	5/15/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.128	0.236 U	0.472 U
UG-MW-17	5/15/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.162	0.238 U	0.476 U
UG-MW-18	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.180	NA	NA	NA
UG-MW-19	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
(DUP)	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW-20	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW-21	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
UG-MW-22	5/14/2009	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
BA-MW2	4/11/2007	0.200 U	0.500 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	NA	NA	NA
MTCA Method A Groundwater Cleanup Level		5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	5	0.2	0.8/1.0*	500	500
MTCA Method B Groundwater Cleanup Level		0.8	800	160	7.2	720	1,600	400	80	800	0.081	640	7,200	0.49	0.029	NE	NE	NE	

Notes:
Values in bold font indicate that the reported result is equal to or exceeds a MTCA cleanup level
Model Toxics Control Act (MTCA) Cleanup Regulation, WAC 173-340. MTCA Method A and B values are from Ecology website CLARC tables downloaded as of June 2009. (https://forress.wa.gov/ency/clear/reporting/CLARCReporting.aspx).
(A) - MTCA Method A
(B) - MTCA Method B
(DUP) - Field Duplicate
NA - Not analyzed
ND* - Not detected during previous sampling events.
NE - Not established
J - Estimated value
U - Compound was analyzed for, but not detected above the reporting limit shown. Result is an estimated value.
LJ - Compound was analyzed for, but not detected above the reporting limit shown. Result is an estimated value.
* The groundwater cleanup level is 1.0 mg/L if benzene is not present and the total of ethylbenzene, toluene, and xylene is less than 1% of the gasoline mixture. The cleanup level for all other gasoline mixtures is 0.8 mg/L.

1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
1,1-DCA = 1,1-Dichloroethane
TCE = Trichloroethene
PCE = Tetrachloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
TPHs = Total Petroleum Hydrocarbons



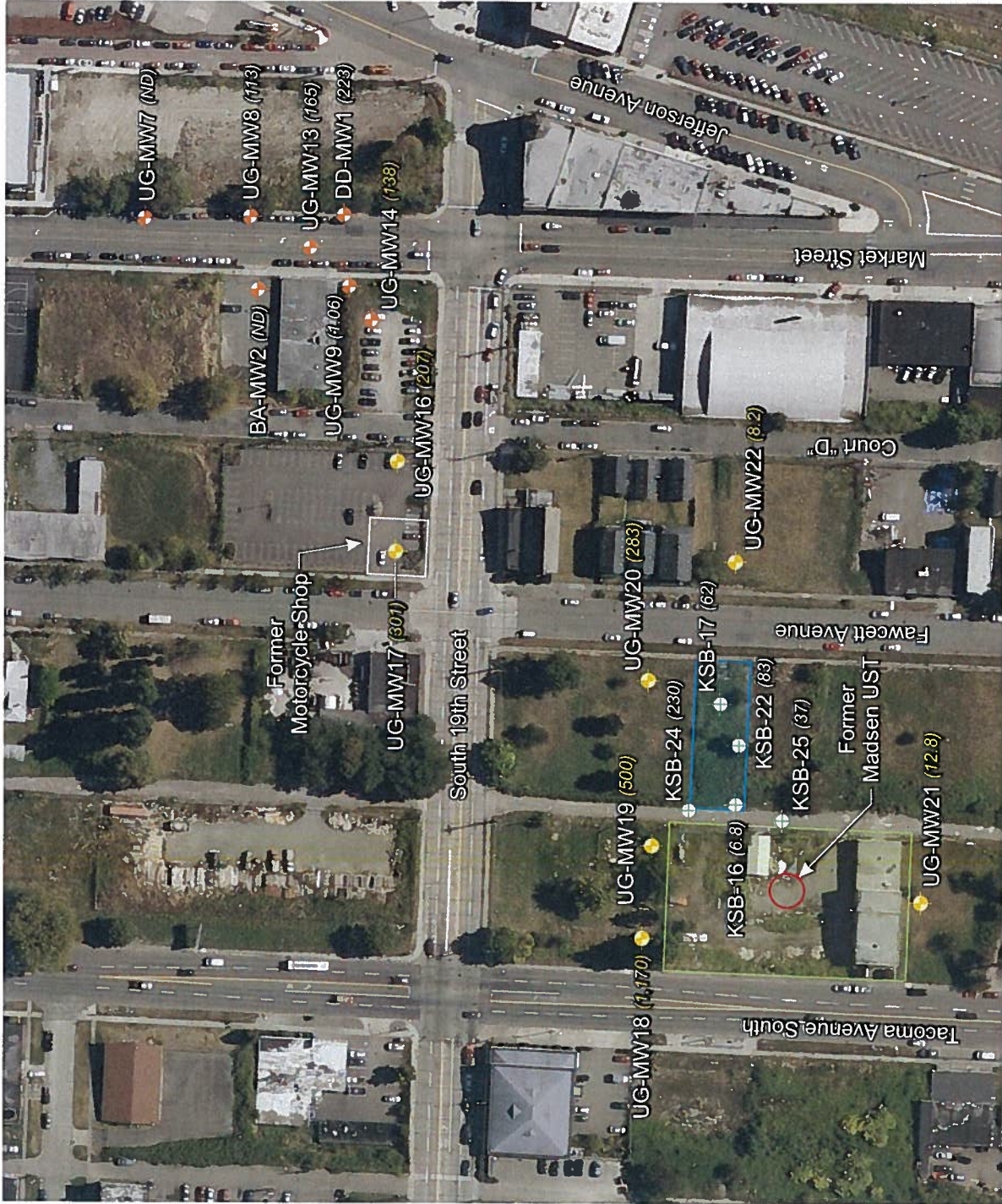
SOURCE: USGS Topographic maps; Tacoma North and Tacoma South, Washington; dated 1994

Job No. 33761575

Figure 1
Site Location



University of Washington Tacoma Campus
Tacoma Avenue South – Market Street Area



LEGEND

- Madsen parcels
- Merino parcel
- Existing monitoring well and historical TCE concentration (August 2008)
- Temporary monitoring well and historical TCE concentration (Kane Environmental, 2008)
- New monitoring well and May 2009 TCE concentration

NOTE: TCE concentrations in µg/L



SOURCE: Google Earth Pro, Tele Atlas

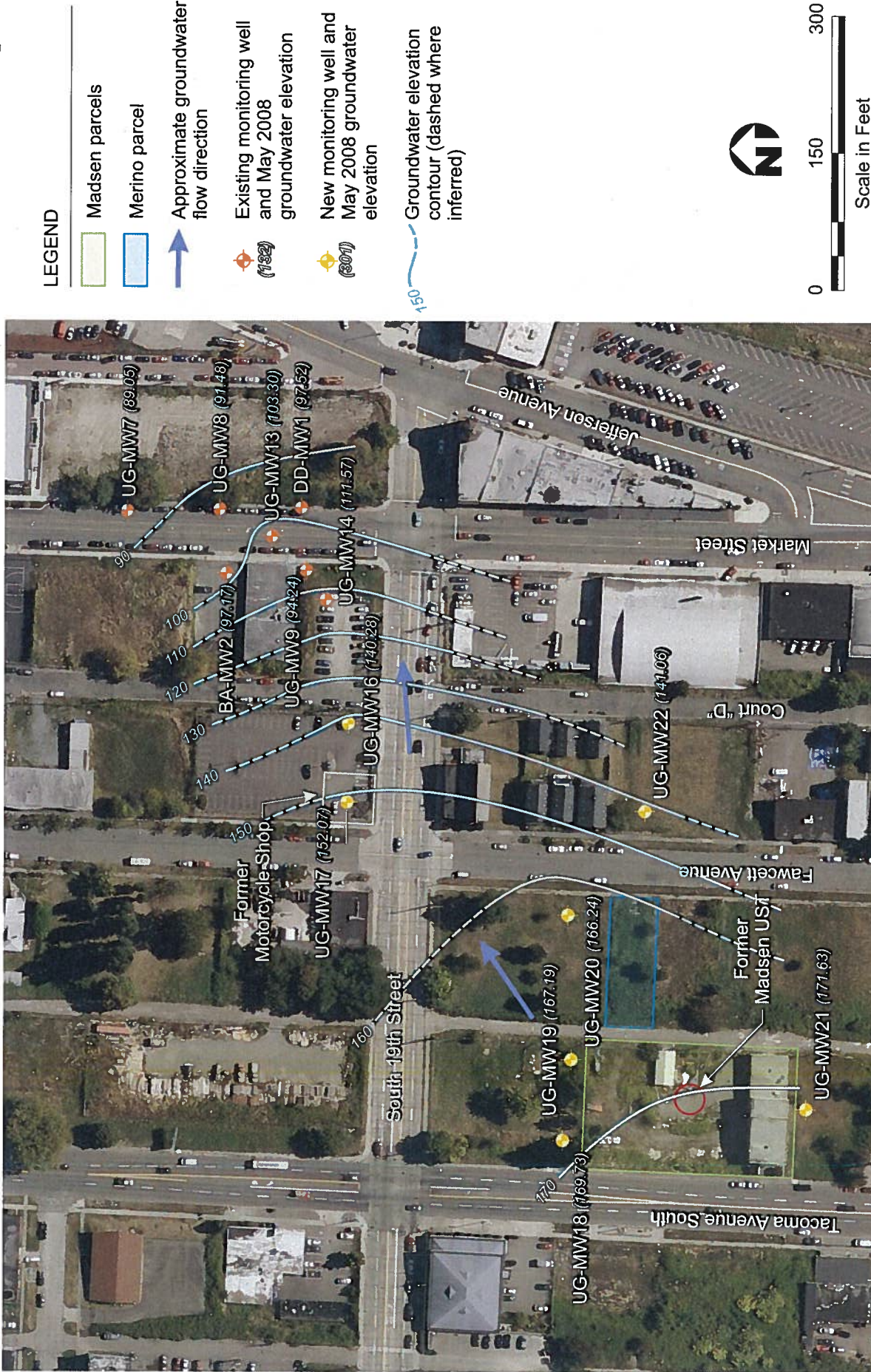
Figure 2

May 2009 TCE Concentrations in Groundwater

Job No. 33761575



University of Washington Tacoma Campus
Tacoma Avenue South – Market Street Area



SOURCE: Google Earth Pro, Tele Atlas

Job No. 33761575



Figure 3
May 2009 Groundwater Elevations

University of Washington Tacoma Campus
 Tacoma Avenue South – Market Street Area

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 10:12AM

Project Number: 20092003
Project Title: UW Tacoma-Land Acquisition

Description

Starting Fiscal Year: 2009
Project Class: Program
Agency Priority: 8

Project Summary

Land Acquisition: The University of Washington Tacoma is responsible for providing increased access to higher education for students in the South Puget Sound. In response to legislative mandate, UW Tacoma transformed from a nontraditional, upper division/transfer and graduate student campus, to a four-year campus also serving traditional age, recent high school graduates in the fall of 2006. This required UW Tacoma to modify curriculum, expand student services, and modify classrooms and campus infrastructure to fit a dramatic change in mission. As a result of this change in mission, the number of FTE served by UW Tacoma has increased by nearly 50% in only three years, from 1,862 FTE in Fall 2006 to 2,762 FTE in Fall 2009. The campus plans continuing enrollment growth over the next decade. Enrollment growth from autumn 2010 to 2020 is expected to increase to over 5,800 FTE. Meeting such dramatic increases in demand will severely strain the capital and space resources of the campus. Meeting this additional demand will require implementation of Phases 4 and 5 of the campus master plan which require the purchase of portions of the campus footprint not currently owned by the University.

Remediation: The Department of Ecology has indicated that the campus (formerly a light medium industrial site) has other sites of contamination within the campus boundaries. The contaminants contain trichloroethane (TCE), petroleum hydrocarbons, perchloroethylene (PCE) and possibly other contaminants that will require further studies, analysis and remediation. The TCE investigation prepared by URS Consultants indicates that there is TCE in the groundwater beneath most of the UW Tacoma campus. The Department of Ecology has informed the UW that the scope of the current clean-up action plan will be expanded. The Department of Ecology and the UW are working together to survey and analyze the areas to develop appropriate action plans. This request is for state funds required for surveys, analysis, consultant services, installation of monitors, and other activities required to support the remediation

Project Description

Continued land acquisition and soils remediation is consistent with the UW Tacoma Master Plan. Land acquisitions will be within the campus footprint as described in the UW Tacoma Master Plan. Continued acquisition will provide the campus with the land required to develop and meet the needs of growing enrollment.

The acquisition of additional parcels is required for the implementation of Phases 4 and 5 of the UW Tacoma campus master plan as well as for an initial phase of a 'green' power plant using sustainable strategies to serve the UW Tacoma campus. The current inventory of UW Tacoma facilities will not meet the projected enrollment-driven space requirements. The acquisition of land on the campus footprint will provide critical flexibility in planning, locating and constructing future academic facilities and student life facilities within the next 3 to 5 years. Finally, continued acquisition of land in the UW Tacoma footprint will ensure that the campus continues to meet the higher education access needs of the residents of the South Sound and the State of Washington.

The Department of Ecology has indicated that the campus (formerly a light medium industrial site) has other sites of contamination within the campus boundaries. The contaminants contain petroleum hydrocarbons, perchloroethylene (PCE) and possibly other contaminants that will require further studies, analysis and remediation. The Department of Ecology and the UW are working together to survey, analyze the impact areas, and develop appropriate action plans. This request is for the funds required for surveys, analyses, installation of monitors, and the other activities required to support the remediation.

Location

City: Tacoma

County: Pierce

Legislative District: 027

Project Type

Acquisition - Land

Growth Management impacts

See GMA Questionnaire

New Facility: No

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 10:12AM

Project Number: 20092003
Project Title: UW Tacoma-Land Acquisition

Description

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	25,000,000				5,000,000
064-1	UW Building Account-State	2,469,000		2,469,000		
253-1	Education Constr-State	4,000,000	1,531,000		2,469,000	
Total		31,469,000	1,531,000	2,469,000	2,469,000	5,000,000

		Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	5,000,000	5,000,000	5,000,000	5,000,000
064-1	UW Building Account-State				
253-1	Education Constr-State				
Total		5,000,000	5,000,000	5,000,000	5,000,000

Schedule and Statistics

	Start Date	End Date
Predesign		
Design	10/1/2009	10/1/2009
Construction	10/1/2009	10/1/2009

	Total
Gross Square Feet:	50,000
Usable Square Feet:	0
Efficiency:	0.0%
Escalated MACC Cost per Sq. Ft.:	0
Construction Type:	College Classroom Facilities
Is this a remodel?	No
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	Escalated Cost	% of Project
Acquisition Costs Total	4,300,000	86.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	0	0.0%
Extra Services	700,000	14.0%
Other Services	0	0.0%
Design Services Contingency	0	0.0%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 10:12AM

Project Number: 20092003

Project Title: UW Tacoma-Land Acquisition

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Consultant Services Total	700,000	14.0%
Maximum Allowable Construction Cost(MACC)	0	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	0	0.0%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	0	0.0%
Construction Contingencies	0	0.0%
Non Taxable Items	0	0.0%
Sales Tax	0	0.0%
Construction Contracts Total	0	0.0%
Equipment		
Equipment	0	0.0%
Non Taxable Items	0	0.0%
Sales Tax	0	0.0%
Equipment Total	0	0.0%
Art Work Total	0	0.0%
Other Costs Total	0	0.0%
Project Management Total	0	0.0%
Grand Total Escalated Costs	<u>5,000,000</u>	
Rounded Grand Total Escalated Costs	5,000,000	

Operating Impacts

No Operating Impact

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Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20092003	20092003
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 67
 Cost Estimate Title: 2009 Tacoma Land Acquisition
 Version: 02 FINAL
 Project Number: 20092003
 Project Title: UW Tacoma-Land Acquisition
 Project Phase Title:

Report Number: CBS003
 Date Run: 9/2/2010 10:13AM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685.9963

Statistics

Gross Sq. Ft.:	50,000
Usable Sq. Ft.:	0
Space Efficiency:	0%
MACC Cost per Sq. Ft.:	0
Escalated MACC Cost per Sq. Ft.:	0
Remodel?	No
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:		
Design:	10-2009	10-2009
Construction:	10-2009	10-2009
Duration of Construction (Months):	0	

Cost Summary Escalated

Acquisition Costs Total		4,300,000
Pre-Schematic Design Services		0
Construction Documents		0
Extra Services		700,000
Other Services		0
Design Services Contingency		0
Consultant Services Total		700,000
Site work		0
Related Project Costs		0
Facility Construction		0
Construction Contingencies		0
Non Taxable Items		0
Sales Tax		0
Construction Contracts Total		0
Maximum Allowable Construction Cost(MACC)	0	
Equipment		0
Non Taxable Items		0
Sales Tax		0
Equipment Total		0
Art Work Total		0
Other Costs Total		0
Project Management Total		0
Grand Total Escalated Costs		5,000,000
Rounded Grand Total Escalated Costs		5,000,000

Additional Details

Alternative Public Works Project: No

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 67
Cost Estimate Title: 2009 Tacoma Land Aquisition
Version: 02 FINAL
Project Number: 20092003
Project Title: UW Tacoma-Land Acquisition
Project Phase Title:

Report Number: CBS003
Date Run: 9/2/2010 10:13AM

Agency Preferred: Yes

Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	10-2009
Project Administration By:	GA
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 67 **Analysis Date:** October 22, 2009
Cost Estimate Title: 2009 Tacoma Land Aquisition
Detail Title: 10-22-09 TLA
Project Number: 20092003
Project Title: UW Tacoma-Land Acquisition
Project Phase Title:
Location:
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Statistics

Gross Sq. Ft.: 50,000
 Usable Sq. Ft.:
 Rentable Sq. Ft.: 50,000
 Space Efficiency:
 Escalated MACC Cost per Sq. Ft.: 0
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? No
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 0.00%
 Contingency Explanation

Management Reserve: 0.00%
 Projected Life of Asset (Years):
 Location Used for Tax Rate:
 Tax Rate:
 Art Requirement Applies: No
 Project Administration by: GA
 Higher Education Institution?: No
 Alternative Public Works?: No

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:		
Design:	10-2009	10-2009
Construction:	10-2009	10-2009
Duration of Construction (Months):	0	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	10-2009	

Project Cost Summary

MACC:	\$ 0
MACC (Escalated):	\$ 0
Current Project Total:	\$ 5,000,000
Rounded Current Project Total:	\$ 5,000,000
Escalated Project Total:	\$ 5,000,000
Rounded Escalated Project Total:	\$ 5,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
ACQUISITION COSTS				
Purchase/Lease Cost	4,300,000			
Total: Acquisition Costs		4,300,000	1.0000	4,300,000
CONSULTANT SERVICES				
<u>Extra Services</u>				
Hazardous Material Monitoring and Consulting	700,000			
SubTotal: Extra Services		700,000	1.0000	700,000
Total: Consultant Services		700,000	1.0000	700,000

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Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 67
Cost Estimate Title: 2009 Tacoma Land Aquisition

Report Number: CBS003
Date Run: 9/2/2010 10:13AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20092003	20092003
Cost Estimate Number	67	67
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 5:01PM

Project Number: 30000373

Project Title: Odegaard Undergraduate Learning Center- Phase 2

Description

Starting Fiscal Year: 2012
Project Class: Program
Agency Priority: 13

Project Summary

Odegaard Undergraduate Library has served the students of the University of Washington as a critical academic facility since it was first constructed in 1972. Almost forty years later, it remains the most utilized student study and research space on campus with more than 10,000 students per day passing through its doors and has become more than a traditional library building.

Project Description

Phase II will be a complete renovation of the building's second and third floors, and will provide additional improvements to the building site, building infrastructure, and entrances.
Two phases are required due to the high utilization of the facility for student teaching and learning – it would not be possible to close the entire building for an extended period and provide equivalent temporary space on the UW Seattle campus. This is a reflection of how important this facility is to the teaching mission of the University of Washington.
The renovated center will support current and future generations of learners with flexible, individual and group learning and teaching space. Learning is no longer limited to inside the classroom but can spill out into group and individual spaces rich with technology, resources and opportunities.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

No Growth Management Impact

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	19,500,000				
	Total	19,500,000	0	0	0	0
Future Fiscal Periods						
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State	19,500,000				
	Total	19,500,000	0	0	0	

Schedule and Statistics

	Start Date	End Date
Pre-design	11/01/2012	06/01/2013

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 5:01PM

Project Number: 30000373

Project Title: Odegaard Undergraduate Learning Center- Phase 2

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Design	7/1/2013	3/1/2014
Construction	6/1/2014	9/1/2015

Total

Gross Square Feet:	92,094
Usable Square Feet:	73,600
Efficiency:	79.9%
Escalated MACC Cost per Sq. Ft.:	123
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	743,567	3.8%
Extra Services	410,349	2.1%
Other Services	415,033	2.1%
Design Services Contingency	161,098	0.8%
Consultant Services Total	1,730,047	8.9%
Maximum Allowable Construction Cost(MACC)	11,313,526	
Site work	438,984	2.3%
Related Project Costs	309,540	1.6%
Facility Construction	10,565,002	54.2%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	1,375,920	7.1%
Construction Contingencies	1,415,936	7.3%
Non Taxable Items	0	0.0%
Sales Tax	1,340,010	6.9%
Construction Contracts Total	15,445,392	79.2%
Equipment		
Equipment	699,426	3.6%
Non Taxable Items	0	0.0%
Sales Tax	66,445	0.3%
Equipment Total	765,871	3.9%

OFM

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

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Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 5:01PM

Project Number: 30000373

Project Title: Odegaard Undergraduate Learning Center- Phase 2

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	56,568	0.3%
Other Costs Total	359,382	1.8%
Project Management Total	1,142,698	5.9%
Grand Total Escalated Costs	<u>19,499,958</u>	
Rounded Grand Total Escalated Costs	19,500,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000373	30000373
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 78

Report Number: CBS003

Cost Estimate Title: Odegaard LC Phase II Renovation

Date Run: 9/3/2010 8:25AM

Version: 02 FINAL

Agency Preferred: Yes

Project Number: 30000373

Project Title: Odegaard Undergraduate Learning Center- Phase 2

Project Phase Title:

Contact Info

Contact Name: Kateri Schlessman

Contact Number: 206.543.3542

Statistics

Gross Sq. Ft.:	92,094
Usable Sq. Ft.:	73,600
Space Efficiency:	80%
MACC Cost per Sq. Ft.:	107
Escalated MACC Cost per Sq. Ft.:	123
Remodel?	Yes
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	11-2012	06-2013
Design:	07-2013	03-2014
Construction:	06-2014	09-2015
Duration of Construction (Months):	15	

Cost Summary Escalated

Acquisition Costs Total

Pre-Schematic Design Services	0	0
Construction Documents	743,567	
Extra Services	410,349	
Other Services	415,033	
Design Services Contingency	161,098	

Consultant Services Total

Site work	438,984	1,730,047
Related Project Costs	309,540	
Facility Construction	10,565,002	
Construction Contingencies	1,415,936	
Non Taxable Items	0	
Sales Tax	1,340,010	

Construction Contracts Total

Maximum Allowable Construction Cost(MACC)	11,313,526	15,445,392
Equipment	699,426	
Non Taxable Items	0	
Sales Tax	66,445	

Equipment Total

765,871

Art Work Total

56,568

Other Costs Total

359,382

Project Management Total

1,142,698

Grand Total Escalated Costs

19,499,958

Rounded Grand Total Escalated Costs

19,500,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 78

Report Number: CBS003

Cost Estimate Title: Odegaard LC Phase II Renovation

Date Run: 9/3/2010 8:25AM

Version: 02 FINAL

Agency Preferred: Yes

Project Number: 30000373

Project Title: Odegaard Undergraduate Learning Center- Phase 2

Project Phase Title:

Contact Info

Contact Name: Kateri Schlessman

Contact Number: 206.543.3542

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	06-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

OFM

360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 78 **Analysis Date:** August 23, 2010
Cost Estimate Title: Odegaard LC Phase II Renovation
Detail Title: Odegaard Phase II July 2010
Project Number: 30000373
Project Title: Odegaard Undergraduate Learning Center- Phase 2
Project Phase Title:
Location:
Contact Info **Contact Name:** Kateri Schlessman **Contact Number:** 206.543.3542

Statistics

Gross Sq. Ft.: 92,094
 Usable Sq. Ft.: 73,600
 Rentable Sq. Ft.:
 Space Efficiency: 80%
 Escalated MACC Cost per Sq. Ft.: 123
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years):
 Location Used for Tax Rate:
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	11-2012	06-2013
Design:	07-2013	03-2014
Construction:	06-2014	09-2015
Duration of Construction (Months):	15	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	6-2010	

Project Cost Summary

MACC:	\$ 9,879,200
MACC (Escalated):	\$ 11,313,526
Current Project Total:	\$ 17,215,945
Rounded Current Project Total:	\$ 17,216,000
Escalated Project Total:	\$ 19,499,958
Rounded Escalated Project Total:	\$ 19,500,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Construction Documents</u>				
A/E Basic Design Services	672,121			
SubTotal: Construction Documents		672,121	1.1063	743,567
<u>Extra Services</u>				
Civil Design (Above Basic Services)	15,000			
Geotechnical Investigation	4,800			
Commissioning (Systems Check)	50,000			
Testing	50,000			
Leadership Energy & Environment Design List(LEED)	20,000			
Voice/Data Consultant	7,500			
Hazardous Materials Consultant	40,000			
Interior Design/Furnishing Consultant	50,000			
Specialty Consultants	122,420			
Document Reproduction	8,700			
Renderings, Presentations, and Models	2,500			
SubTotal: Extra Services		370,920	1.1063	410,349
<u>Other Services</u>				
Bid/Construction/Closeout	301,968			
HVAC Balancing	20,000			
Reimbursables	20,000			
As Builts	10,000			
Small Contracts (Attorney's, DRB)	10,000			
SubTotal: Other Services		361,968	1.1466	415,033
<u>Design Services Contingency</u>				
Design Services Contingency	140,501			
SubTotal: Design Services Contingency		140,501	1.1466	161,098
Total: Consultant Services		1,545,510	1.1194	1,730,047
CONSTRUCTION CONTRACTS				
<u>Site work</u>				
G20 - Site Improvements	390,000			
SubTotal: Site work		390,000	1.1256	438,984
<u>Related Project Costs</u>				
Hazardous Materials Remediation and Removal	275,000			
SubTotal: Related Project Costs		275,000	1.1256	309,540
<u>Facility Construction</u>				
B20 - Exterior Closure	150,000			
B30 - Roofing	1,080,000			
C10 - Interior Construction	1,015,200			
C30 - Interior Finishes	1,225,000			
D10 - Conveying	750,000			
D20 - Plumbing Systems	320,000			
D30 - HVAC Systems	1,700,000			
D40 - Fire Protection Systems	20,000			
D50 - Electrical Systems	1,200,000			
F10 - Special Construction	60,000			
F20 - Selective Demolition	300,000			
Estimating Contingency	1,394,000			
SubTotal: Facility Construction		9,214,200	1.1466	10,565,002
Maximum Allowable Construction Cost (MACC)		9,879,200	1.1500	11,313,526
<u>GCCM or Design Build Costs</u>				
GCCM Fee	350,000			
Bid General Conditions	425,000			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
GCCM Preconstruction Services	250,000			
Other	175,000			
SubTotal: GCCM or Design Build Costs		1,200,000	1.1466	1,375,920
<u>Construction Contingencies</u>				
Management Reserve	246,980			
Allowance for Change Orders	987,920			
SubTotal: Construction Contingencies		1,234,900	1.1466	1,415,936
Sales Tax		1,169,839	1.1455	1,340,010
Total: Construction Contracts		13,483,939	1.1455	15,445,392
EQUIPMENT				
E10 - Equipment	110,000			
E20 - Furnishings	500,000			
SubTotal:		610,000	1.1466	699,426
Sales Tax		57,950	1.1466	66,445
Total: Equipment		667,950	1.1466	765,871
ART WORK				
Total: Art Work		56,568	1.0000	56,568
OTHER COSTS				
Advertising	5,000			
In Plant Services	65,000			
Utilities/Temporary Facilities	17,500			
Building and Other Permits	136,780			
Builders Risk	30,000			
Connectivity	50,000			
Metro Connection Fee	15,000			
Total: Other Costs		319,280	1.1256	359,382
PROJECT MANAGEMENT				
Agency Project Management	1,142,698			
Total: Project Management		1,142,698	1.0000	1,142,698

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 78
Cost Estimate Title: Odegaard LC Phase II Renovation

Report Number: CBS003
Date Run: 9/3/2010 8:25AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000373	30000373
Cost Estimate Number	78	78
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 1:46PM

Project Number: 30000380
Project Title: Health Science Teaching Building

Description

Starting Fiscal Year: 2012
Project Class: Program
Agency Priority: 18

Project Summary

The University of Washington will request approximately \$135 million for pre design, design and construction in future biennia for an integrated Health Sciences Teaching Building. Currently, the majority of the teaching classrooms and learning laboratories for the Health Sciences are located within the Magnuson Health Sciences Building complex which was originally occupied in 1949 with the main teaching wing completed in 1972. All classrooms and laboratories are in great need of infrastructure, technology and programmatic improvements. This project proposes a consolidation of these teaching and learning spaces into a new 150,000 gross square foot state-of-the-art academic health sciences teaching building. This project is expected to support the academic needs for undergraduate and graduate/professional students that enter the health sciences fields at the University of Washington – Dentistry, Medicine, Nursing, Pharmacy, Public Health and other health and life sciences related-programs.

Project Description

This project will consolidate teaching and learning spaces for undergraduate and graduate/professional students that enter the health sciences fields at the University of Washington – Dentistry, Medicine, Nursing, Pharmacy, Public Health and other health and life sciences related-programs. The integrated Health Sciences Teaching Building will be approximately 150,000 gross square feet. Program elements are expected to include flexible learning laboratories, meeting spaces for local, regional, and global community dialogue in the health sciences, immersive learning centers including multiple simulation-based learning environments, digital and/or other library facilities, and state of the art classrooms.

Location

City: Seattle County: King Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

Addressed in the Growth Management Act questionnaire.

New Facility: Yes

How does this fit in master plan

Addressed in the UW Plan and when submitted to the City of Seattle for permitting.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	135,000,000				
	Total	135,000,000	0	0	0	0
			Future Fiscal Periods			
			2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	500,000	9,000,000	125,500,000		
	Total	500,000	9,000,000	125,500,000	0	0

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 1:46PM

Project Number: 30000380

Project Title: Health Science Teaching Building

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	08/01/2013	06/01/2014
Design	7/1/2015	8/1/2016
Construction	7/1/2017	7/1/2019

Total

Gross Square Feet:	150,000
Usable Square Feet:	94,000
Efficiency:	62.7%
Escalated MACC Cost per Sq. Ft.:	508
Construction Type:	Research Facilities
Is this a remodel?	No
A/E Fee Class:	A
A/E Fee Percentage:	0.00%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	503,078	0.4%
Construction Documents	3,298,266	2.4%
Extra Services	2,206,438	1.6%
Other Services	1,713,608	1.3%
Design Services Contingency	818,307	0.6%
Consultant Services Total	8,539,697	6.3%
Maximum Allowable Construction Cost(MACC)	76,239,198	
Site work	11,034,276	8.2%
Related Project Costs	1,300,620	1.0%
Facility Construction	63,904,302	47.3%
GCCM Risk Contingency	1,950,296	1.4%
GCCM or Design Build Costs	9,868,572	7.3%
Construction Contingencies	9,576,142	7.1%
Non Taxable Items	0	0.0%
Sales Tax	9,275,250	6.9%
Construction Contracts Total	106,909,458	79.2%
Equipment		
Equipment	12,721,259	9.4%
Non Taxable Items	0	0.0%
Sales Tax	1,208,520	0.9%
Equipment Total	13,929,779	10.3%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 8/29/2010 1:46PM

Project Number: 30000380

Project Title: Health Science Teaching Building

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	381,196	0.3%
Other Costs Total	1,581,377	1.2%
Project Management Total	3,658,500	2.7%
Grand Total Escalated Costs	<u>135,000,007</u>	
Rounded Grand Total Escalated Costs	135,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000380	30000380
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

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Cost Estimate Number: 79
 Cost Estimate Title: Health Sciences Teaching Building
 Version: 02 FINAL
 Project Number: 30000380
 Project Title: Health Science Teaching Building
 Project Phase Title:

Report Number: CBS003
 Date Run: 9/2/2010 10:15AM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685.9963

Statistics

Gross Sq. Ft.: 150,000
 Usable Sq. Ft.: 94,000
 Space Efficiency: 63%
 MACC Cost per Sq. Ft.: 404
 Escalated MACC Cost per Sq. Ft.: 508
 Remodel? No
 Construction Type: Research Facilities
 A/E Fee Class: A
 A/E Fee Percentage: 0.00%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	08-2013	06-2014
Design:	07-2015	08-2016
Construction:	07-2017	07-2019
Duration of Construction (Months):	24	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	503,078	
Construction Documents	3,298,266	
Extra Services	2,206,438	
Other Services	1,713,608	
Design Services Contingency	818,307	

0

Consultant Services Total

Site work	11,034,276	
Related Project Costs	1,300,620	
Facility Construction	63,904,302	
Construction Contingencies	9,576,142	
Non Taxable Items	0	
Sales Tax	9,275,250	

8,539,697

Construction Contracts Total

106,909,458

Maximum Allowable Construction Cost(MACC)

76,239,198

Equipment	12,721,259	
Non Taxable Items	0	
Sales Tax	1,208,520	

Equipment Total

13,929,779

Art Work Total

381,196

Other Costs Total

1,581,377

Project Management Total

3,658,500

Grand Total Escalated Costs

135,000,007

Rounded Grand Total Escalated Costs

135,000,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 79
Cost Estimate Title: Health Sciences Teaching Building
Version: 02 FINAL
Project Number: 30000380
Project Title: Health Science Teaching Building
Project Phase Title:

Report Number: CBS003
Date Run: 9/2/2010 10:15AM

Agency Preferred: Yes

Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 79 **Analysis Date:** August 23, 2010
Cost Estimate Title: Health Sciences Teaching Building
Detail Title: Health Sciences Building Aug 2010
Project Number: 30000380
Project Title: Health Science Teaching Building
Project Phase Title:
Location: King County, Seattle
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Statistics

Gross Sq. Ft.: 150,000
 Usable Sq. Ft.: 94,000
 Rentable Sq. Ft.:
 Space Efficiency: 63%
 Escalated MACC Cost per Sq. Ft.: 508
 Escalated Cost per S. F. Explanation

Construction Type: Research Facilities
 Remodel? No
 A/E Fee Class: A
 A/E Fee Percentage: 0.00%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years): 40
 Location Used for Tax Rate: King County, Seattl
 Tax Rate: 9.50%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	08-2013	06-2014
Design:	07-2015	08-2016
Construction:	07-2017	07-2019
Duration of Construction (Months):	24	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2010	

Project Cost Summary

MACC:	\$ 60,618,092
MACC (Escalated):	\$ 76,239,198
Current Project Total:	\$ 108,387,310
Rounded Current Project Total:	\$ 108,387,000
Escalated Project Total:	\$ 135,000,007
Rounded Escalated Project Total:	\$ 135,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	435,000			
SubTotal: Pre-Schematic Design Services		435,000	1.1565	503,078
<u>Construction Documents</u>				
A/E Basic Design Services	2,806,557			
SubTotal: Construction Documents		2,806,557	1.1752	3,298,266
<u>Extra Services</u>				
Civil Design (Above Basic Services)	45,000			
Geotechnical Investigation	90,000			
Commissioning (Systems Check)	100,000			
Site Survey	35,000			
Testing	150,000			
Leadership Energy & Environment Design List(LEED)	120,000			
Voice/Data Consultant	10,000			
Value Engineering Participation & Implementation	25,000			
Constructability Review Participation	40,000			
Environmental Mitigation Services (EIS)	250,000			
Landscape Consultant	150,000			
Hospital/Lab Consultant	400,000			
Documant Reproduction	20,000			
Equipment Coordination and Design	15,000			
Specialty Consultants	402,500			
Travel & PerDiem	20,000			
Renderings, Presentations, and Models	5,000			
SubTotal: Extra Services		1,877,500	1.1752	2,206,438
<u>Other Services</u>				
Bid/Construction/Closeout	1,260,917			
HVAC Balancing	20,000			
As Builts	25,000			
Reimbursables	40,000			
Small Contracts (Attorney's DRB)	10,000			
SubTotal: Other Services		1,355,917	1.2638	1,713,608
<u>Design Services Contingency</u>				
Design Services Contingency	647,497			
SubTotal: Design Services Contingency		647,497	1.2638	818,307
Total: Consultant Services		7,122,471	1.1990	8,539,697

CONSTRUCTION CONTRACTS

<u>Site work</u>				
G10 - Site Preparation	1,843,000			
G20 - Site Improvements	2,707,500			
G30 - Site Mechanical Utilities	1,406,000			
G40 - Site Electrical Utilities	1,119,670			
G60 - Other Site Construction	1,916,720			
SubTotal: Site work		8,992,890	1.2270	11,034,276
<u>Related Project Costs</u>				
Telecommunications Cable Plant	750,000			
Hazardous Materials	300,000			
Other	10,000			
SubTotal: Related Project Costs		1,060,000	1.2270	1,300,620
<u>Facility Construction</u>				
A10 - Foundations	3,911,815			
B10 - Superstructure	6,392,455			
B20 - Exterior Closure	3,942,643			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
B30 - Roofing	3,209,575			
C10 - Interior Construction	4,639,705			
C20 - Stairs	1,285,493			
C30 - Interior Finishes	3,030,975			
D10 - Conveying	1,724,605			
D20 - Plumbing Systems	4,666,020			
D30 - HVAC Systems	4,629,635			
D40 - Fire Protection Systems	2,488,050			
D50 - Electrical Systems	4,982,560			
F10 - Special Construction	3,328,803			
F20 - Selective Demolition	356,250			
General Conditions	1,976,618			
SubTotal: Facility Construction		50,565,202	1.2638	63,904,302
Maximum Allowable Construction Cost (MACC)		60,618,092	1.2600	76,239,198
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	1,543,200			
SubTotal: GCCM Risk Contingency		1,543,200	1.2638	1,950,296
<u>GCCM or Design Build Costs</u>				
GCCM Fee	2,437,320			
Bid General Conditions	3,796,580			
GCCM Preconstruction Services	408,500			
Negotiated Support Services	1,000,000			
Other	166,250			
SubTotal: GCCM or Design Build Costs		7,808,650	1.2638	9,868,572
<u>Construction Contingencies</u>				
Management Reserve	1,515,452			
Allowance for Change Orders	6,061,809			
SubTotal: Construction Contingencies		7,577,261	1.2638	9,576,142
Sales Tax		7,366,985	1.2590	9,275,250
Total: Construction Contracts		84,914,188	1.2590	106,909,458
EQUIPMENT				
E10 - Equipment	4,781,380			
E20 - Furnishings	3,992,500			
Movable Equipment	1,292,000			
SubTotal:		10,065,880	1.2638	12,721,259
Sales Tax		956,259	1.2638	1,208,520
Total: Equipment		11,022,139	1.2638	13,929,779
ART WORK				
Higher Ed Artwork	381,386			
Total: Art Work		381,196	1.0000	381,196
OTHER COSTS				
In Plant Services	175,000			
Building & Other Permits	844,397			
Builders Risk Insurance	269,419			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
OTHER COSTS				
Total: Other Costs		1,288,816	1.2270	<u>1,581,377</u>
PROJECT MANAGEMENT				
Agency Project Management	<u>3,658,500</u>			
Total: Project Management		3,658,500	1.0000	<u>3,658,500</u>

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 79
Cost Estimate Title: Health Sciences Teaching Building

Report Number: CBS003
Date Run: 9/2/2010 10:15AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000380	30000380
Cost Estimate Number	79	79
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:07AM

Project Number: 30000378
Project Title: UW Bothell Phase 4

Description

Starting Fiscal Year: 2012
Project Class: Program
Agency Priority: 19

Project Summary

The University of Washington will request approximately \$68M for the Pre Design, Design and Construction Phases in future biennia for the UW Bothell Phase 4 project. UW Bothell's goal is to develop the capacity to accommodate 6,000 student FTE enrollment. Phase 4 will provide additional student and academic space required for an integrated and comprehensive higher education campus. Anticipated growth at UW Bothell will require expanded academic facilities capacity to include a mix of instructional spaces such as general classrooms, lecture halls, seminar rooms, studio spaces, and faculty and administrative offices. Phase 4 will be planned to add capacity for at least an additional 800 student FTE in order to achieve the long range capacity goals of the State of Washington and the University of Washington.

Project Description

UW Bothell's goal is to develop the capacity to accommodate 6,000 student FTE enrollment. Phase 4 will provide additional student and academic space required for an integrated and comprehensive higher education campus. Anticipated growth at UW Bothell will require expanded academic facilities capacity to include a mix of instructional spaces such as general classrooms, lecture halls, seminar rooms, studio spaces, and faculty and administrative offices. Phase 4 will be planned to add capacity for at least an additional 800 student FTE in order to achieve the long range capacity goals of the State of Washington and the University of Washington.

Phase 4 is anticipated to include approximately 60,000 gross square feet of new academic space in a new freestanding academic building, and a 30,000 gross square foot addition to the existing UW Bothell Library. This phase is intended to provide additional student and academic space required for an integrated and comprehensive higher education campus. The Pre Design Phase will determine the final size of the addition to the central library. A library addition is required for UW Bothell to support lower-division-program-focused collections and services as the campus continues to meet the demands enrollment growth associated with the four-year curriculum.

Project Type

New Facilities/Additions (Major Projects)

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	68,000,000				
	Total	68,000,000	0	0	0	0
Future Fiscal Periods						
		2013-15	2015-17	2017-19	2019-21	
057-1	State Bldg Constr-State	350,000	5,650,000	62,000,000		
	Total	350,000	5,650,000	62,000,000	0	

Schedule and Statistics

OFM

360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:07AM

Project Number: 30000378

Project Title: UW Bothell Phase 4

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2013	05/01/2014
Design	8/1/2015	12/1/2016
Construction	7/1/2017	7/1/2019

Total

Gross Square Feet:	90,000
Usable Square Feet:	63,000
Efficiency:	70.0%
Escalated MACC Cost per Sq. Ft.:	389
Construction Type:	College Classroom Facilities
Is this a remodel?	No
A/E Fee Class:	B
A/E Fee Percentage:	6.67%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	637,670	0.9%
Construction Documents	1,773,750	2.6%
Extra Services	2,873,120	4.2%
Other Services	1,597,701	2.4%
Design Services Contingency	838,645	1.2%
Consultant Services Total	7,720,886	11.4%
Maximum Allowable Construction Cost(MACC)	35,032,119	
Site work	2,128,845	3.1%
Related Project Costs	0	0.0%
Facility Construction	32,903,274	48.4%
GCCM Risk Contingency	1,194,291	1.8%
GCCM or Design Build Costs	4,296,920	6.3%
Construction Contingencies	4,386,996	6.5%
Non Taxable Items	0	0.0%
Sales Tax	4,311,390	6.3%
Construction Contracts Total	49,221,716	72.4%
Equipment		
Equipment	6,508,570	9.6%
Non Taxable Items	0	0.0%
Sales Tax	624,823	0.9%
Equipment Total	7,133,393	10.5%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:07AM

Project Number: 30000378

Project Title: UW Bothell Phase 4

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	175,161	0.3%
Other Costs Total	1,933,224	2.8%
Project Management Total	1,815,610	2.7%
Grand Total Escalated Costs	<u>67,999,990</u>	
Rounded Grand Total Escalated Costs	68,000,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

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<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000378	30000378
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 80
 Cost Estimate Title: UW Bothell Phase 4 Aug. 2010

Report Number: CBS003
 Date Run: 9/2/2010 9:36AM

Version: 02 FINAL
 Project Number: 30000378
 Project Title: UW Bothell Phase 4
 Project Phase Title:

Agency Preferred: Yes

Contact Info Contact Name: Catherine Vogt Contact Number: 206.543.0545

Statistics

Gross Sq. Ft.:	90,000
Usable Sq. Ft.:	63,000
Space Efficiency:	70%
MACC Cost per Sq. Ft.:	309
Escalated MACC Cost per Sq. Ft.:	389
Remodel?	No
Construction Type:	College Classroom Facilities
A/E Fee Class:	B
A/E Fee Percentage:	6.67%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2013	05-2014
Design:	08-2015	12-2016
Construction:	07-2017	07-2019
Duration of Construction (Months):	24	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	637,670
Construction Documents	1,773,750
Extra Services	2,873,120
Other Services	1,597,701
Design Services Contingency	838,645

0

Consultant Services Total

Site work	2,128,845
Related Project Costs	0
Facility Construction	32,903,274
Construction Contingencies	4,386,996
Non Taxable Items	0
Sales Tax	4,311,390

7,720,886

Construction Contracts Total

49,221,716

Maximum Allowable Construction Cost(MACC) 35,032,119

Equipment	6,508,570
Non Taxable Items	0
Sales Tax	624,823

Equipment Total

7,133,393

Art Work Total

175,161

Other Costs Total

1,933,224

Project Management Total

1,815,610

Grand Total Escalated Costs

67,999,990

Rounded Grand Total Escalated Costs

68,000,000

Additional Details

Alternative Public Works Project: Yes

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360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 80
Cost Estimate Title: UW Bothell Phase 4 Aug. 2010

Report Number: CBS003
Date Run: 9/2/2010 9:36AM

Version: 02 FINAL
Project Number: 30000378
Project Title: UW Bothell Phase 4
Project Phase Title:

Agency Preferred: Yes

Contact Info **Contact Name:** Catherine Vogt **Contact Number:** 206.543.0545

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 80 **Analysis Date:** August 23, 2010
Cost Estimate Title: UW Bothell Phase 4 Aug. 2010
Detail Title: UWB Phase 4 Aug 2010
Project Number: 30000378
Project Title: UW Bothell Phase 4
Project Phase Title:
Location: King County Seattle
Contact Info **Contact Name:** Catherine Vogt **Contact Number:** 206.543.0545

Statistics

Gross Sq. Ft.: 90,000
 Usable Sq. Ft.: 63,000
 Rentable Sq. Ft.:
 Space Efficiency: 70%
 Escalated MACC Cost per Sq. Ft.: 389
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? No
 A/E Fee Class: B
 A/E Fee Percentage: 6.67%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years): 40
 Location Used for Tax Rate: King County Seattle
 Tax Rate: 9.60%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2013	05-2014
Design:	08-2015	12-2016
Construction:	07-2017	07-2019
Duration of Construction (Months):	24	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2010	

Project Cost Summary

MACC:	\$ 27,770,191
MACC (Escalated):	\$ 35,032,119
Current Project Total:	\$ 54,621,000
Rounded Current Project Total:	\$ 54,621,000
Escalated Project Total:	\$ 67,999,990
Rounded Escalated Project Total:	\$ 68,000,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	550,000			
SubTotal: Pre-Schematic Design Services		550,000	1.1594	637,670
<u>Construction Documents</u>				
A/E Basic Design Services	1,500,000			
SubTotal: Construction Documents		1,500,000	1.1825	1,773,750
<u>Extra Services</u>				
Civil Design (Above Basic Services)	71,000			
Geotechnical Investigation	190,000			
Commissioning (Systems Check)	164,700			
Site Survey	45,000			
Testing	300,000			
Leadership Energy & Environment Design List(LEED)	200,000			
Voice/Data Consultant	35,000			
Value Engineering Participation & Implementation	30,000			
Environmental Mitigation Services (EIS)	40,000			
Landscape Consultant	165,000			
Accoustical Consultant	60,000			
Elevator Consultants	35,000			
Graphics	39,000			
Interior Design	320,000			
Specialty Consultants	375,000			
Reimbursables/ Document Reproduction	260,000			
Other	100,000			
SubTotal: Extra Services		2,429,700	1.1825	2,873,120
<u>Other Services</u>				
Bid/Construction/Closeout	574,204			
HVAC Balancing	180,000			
Staffing	500,000			
Small Contracts	10,000			
SubTotal: Other Services		1,264,204	1.2638	1,597,701
<u>Design Services Contingency</u>				
Design Services Contingency	574,390			
Change Order Allowance	89,200			
SubTotal: Design Services Contingency		663,590	1.2638	838,645
Total: Consultant Services		6,407,494	1.2050	7,720,886

CONSTRUCTION CONTRACTSSite work

G10 - Site Preparation	700,000			
G20 - Site Improvements	570,000			
G40 - Site Electrical Utilities	225,000			
G60 - Other Site Construction	240,000			
SubTotal: Site work		1,735,000	1.2270	2,128,845

Facility Construction

A10 - Foundations	841,350			
A20 - Basement Construction	905,137			
B10 - Superstructure	3,354,422			
B20 - Exterior Closure	4,399,944			
B30 - Roofing	900,000			
C10 - Interior Construction	2,265,897			
C20 - Stairs	353,400			
C30 - Interior Finishes	1,643,291			
D10 - Conveying	425,000			
D20 - Plumbing Systems	946,750			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
D30 - HVAC Systems	3,565,000			
D40 - Fire Protection Systems	360,000			
D50 - Electrical Systems	2,695,000			
F10 - Special Construction	2,500,000			
F20 - Selective Demolition	250,000			
General Conditions	300,000			
Estimating Contingency	330,000			
SubTotal: Facility Construction		26,035,191	1.2638	32,903,274
Maximum Allowable Construction Cost (MACC)		27,770,191	1.2600	35,032,119
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	945,000			
SubTotal: GCCM Risk Contingency		945,000	1.2638	1,194,291
<u>GCCM or Design Build Costs</u>				
GCCM Fee	1,100,000			
Bid General Conditions	1,000,000			
GCCM Preconstruction Services	400,000			
Negotiated Support Services	900,000			
SubTotal: GCCM or Design Build Costs		3,400,000	1.2638	4,296,920
<u>Construction Contingencies</u>				
Management Reserve	694,255			
Allowance for Change Orders	2,777,019			
SubTotal: Construction Contingencies		3,471,274	1.2638	4,386,996
Sales Tax		3,416,300	1.2620	4,311,390
Total: Construction Contracts		39,002,765	1.2620	49,221,716
EQUIPMENT				
E10 - Equipment	1,850,000			
E20 - Furnishings	3,300,000			
SubTotal:		5,150,000	1.2638	6,508,570
Sales Tax		494,400	1.2638	624,823
Total: Equipment		5,644,400	1.2638	7,133,393
ART WORK				
Total: Art Work		175,161	1.0000	175,161
OTHER COSTS				
Mitigation Costs	225,000			
Permits	740,000			
Connectivity	240,000			
In Plant Services	52,000			
Advertising	3,570			
Metro Connection	250,000			
Builders Risk Insurance	65,000			
Total: Other Costs		1,575,570	1.2270	1,933,224
PROJECT MANAGEMENT				

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
Agency Project Management	1,815,610			
Total: Project Management		1,815,610	1.0000	1,815,610

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 80
Cost Estimate Title: UW Bothell Phase 4 Aug. 2010

Report Number: CBS003
Date Run: 9/2/2010 9:36AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	30000378	30000378
Cost Estimate Number	80	80
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

**360 - University of Washington
Capital Project Request**

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:16AM

Project Number: 20102002
Project Title: UW Tacoma

Description

Project Phase Title: Phase 4
Starting Fiscal Year: 2010
Project Class: Program
Agency Priority: 20

Project Summary

The University of Washington will request approximately \$79.5 million in future biennia for the design and construction of UW Tacoma Phase 4. UW Tacoma Phase 4 intends to fulfill the legislative mandate to provide a 4-year curriculum. In order to accommodate the projected increase of students and to provide services tailored to a four-year institution, UW Tacoma will need to continue to grow. This project intends to provide space for academic classrooms, student services, and other related program elements need to efficiently serve the needs of the growing student population relying upon UW Tacoma to provide their higher education opportunities.

Project Description

Phase 4 is anticipated to include approximately 65,000 gross square feet of new teaching space and another 40,000 gross square feet which will include dedicated student undergraduate research and study spaces - including potential additional campus library capacity - in a new academic building.

Location

City: Tacoma County: Pierce Legislative District: 027

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

See Growth Management Act form

New Facility: No

How does this fit in master plan

Yes. See Master Plan link in GMA questionnaire attachment.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2011-13 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropr	New Appropr
057-1	State Bldg Constr-State	79,500,000				
	Total	79,500,000	0	0	0	0

Acct Code	Account Title	Future Fiscal Periods			
		2013-15	2015-17	2017-19	2019-21
057-1	State Bldg Constr-State	350,000	6,650,000	72,500,000	
	Total	350,000	6,650,000	72,500,000	0

Schedule and Statistics

Start Date End Date

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:16AM

Project Number: 20102002
Project Title: UW Tacoma

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	07/01/2013	12/01/2013
Design	7/1/2015	12/1/2016
Construction	7/1/2017	7/1/2019

	<u>Total</u>
Gross Square Feet:	105,000
Usable Square Feet:	63,000
Efficiency:	60.0%
Escalated MACC Cost per Sq. Ft.:	436
Construction Type:	College Classroom Facilities
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	8.35%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	346,950	0.4%
Construction Documents	2,669,060	3.4%
Extra Services	1,936,840	2.4%
Other Services	1,769,320	2.2%
Design Services Contingency	897,298	1.1%
Consultant Services Total	7,619,468	9.6%
Maximum Allowable Construction Cost(MACC)	45,812,750	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	45,812,750	57.6%
GCCM Risk Contingency	1,213,248	1.5%
GCCM or Design Build Costs	5,194,943	6.5%
Construction Contingencies	5,726,594	7.2%
Non Taxable Items	0	0.0%
Sales Tax	5,215,279	6.6%
Construction Contracts Total	63,162,814	79.5%
Equipment		
Equipment	3,538,640	4.5%
Non Taxable Items	0	0.0%
Sales Tax	318,478	0.4%
Equipment Total	3,857,118	4.9%

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360 - University of Washington Capital Project Request

2011-13 Biennium

*

Version: 02 FINAL

Report Number: CBS002

Date Run: 9/2/2010 9:16AM

Project Number: 20102002
Project Title: UW Tacoma

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Art Work Total	229,064	0.3%
Other Costs Total	1,111,662	1.4%
Project Management Total	3,519,874	4.4%
Grand Total Escalated Costs	<u>79,500,000</u>	
Rounded Grand Total Escalated Costs	79,500,000	

Operating Impacts

No Operating Impact

OFM

Capital Project Request

2011-13 Biennium

*

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20102002	20102002
Sort Order	Priority	Priority
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 86
 Cost Estimate Title: UW Tacoma Phase 4 Aug 2010
 Version: 02 FINAL
 Project Number: 20102002
 Project Title: UW Tacoma
 Project Phase Title: Phase 4

Report Number: CBS003
 Date Run: 9/2/2010 9:18AM

Agency Preferred: Yes

Contact Info Contact Name: Bruce Abe Contact Number: 206.685.9963

Statistics

Gross Sq. Ft.: 105,000
 Usable Sq. Ft.: 63,000
 Space Efficiency: 60%
 MACC Cost per Sq. Ft.: 345
 Escalated MACC Cost per Sq. Ft.: 436
 Remodel? Yes
 Construction Type: College Classroom Facilities
 A/E Fee Class: B
 A/E Fee Percentage: 8.35%

Schedule

	<u>Start Date</u>	<u>End Date</u>
Predesign:	07-2013	12-2013
Design:	07-2015	12-2016
Construction:	07-2017	07-2019
Duration of Construction (Months):	24	

Cost Summary Escalated**Acquisition Costs Total**

Pre-Schematic Design Services	346,950	
Construction Documents	2,669,060	
Extra Services	1,936,840	
Other Services	1,769,320	
Design Services Contingency	897,298	

0

Consultant Services Total

Site work	0	
Related Project Costs	0	
Facility Construction	45,812,750	
Construction Contingencies	5,726,594	
Non Taxable Items	0	
Sales Tax	5,215,279	

7,619,468

Construction Contracts Total

63,162,814

Maximum Allowable Construction Cost(MACC) 45,812,750

Equipment	3,538,640	
Non Taxable Items	0	
Sales Tax	318,478	

Equipment Total

3,857,118

Art Work Total

229,064

Other Costs Total

1,111,662

Project Management Total

3,519,874

Grand Total Escalated Costs

79,500,000

Rounded Grand Total Escalated Costs

79,500,000

Additional Details

Alternative Public Works Project: Yes

OFM

360 - University of Washington

Cost Estimate Summary

2011-13 Biennium

*

Cost Estimate Number: 86
Cost Estimate Title: UW Tacoma Phase 4 Aug 2010
Version: 02 FINAL
Project Number: 20102002
Project Title: UW Tacoma
Project Phase Title: Phase 4

Report Number: CBS003
Date Run: 9/2/2010 9:18AM

Agency Preferred: Yes

Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Additional Details

State Construction Inflation Rate:	3.00%
Base Month and Year:	08-2010
Project Administration By:	AGY
Project Admin Impact to GA that is NOT Included in Project Total:	\$0

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360 - University of Washington

Cost Estimate Detail

2011-13 Biennium

*

Cost Estimate Number: 86 **Analysis Date:** July 31, 2008
Cost Estimate Title: UW Tacoma Phase 4 Aug 2010
Detail Title: Tacoma Ph 4 Aug 2010
Project Number: 20102002
Project Title: UW Tacoma
Project Phase Title: Phase 4
Location: Seattle
Contact Info **Contact Name:** Bruce Abe **Contact Number:** 206.685.9963

Statistics

Gross Sq. Ft.: 105,000
 Usable Sq. Ft.: 63,000
 Rentable Sq. Ft.:
 Space Efficiency: 60%
 Escalated MACC Cost per Sq. Ft.: 436
 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities
 Remodel? Yes
 A/E Fee Class: B
 A/E Fee Percentage: 8.35%
 Contingency Rate: 10.00%
 Contingency Explanation

Management Reserve: 2.50%
 Projected Life of Asset (Years):
 Location Used for Tax Rate: Seattle
 Tax Rate: 9.00%
 Art Requirement Applies: Yes
 Project Administration by: AGY
 Higher Education Institution?: Yes
 Alternative Public Works?: Yes

Project Schedule

	<u>Start Date</u>	<u>End Date</u>
Pre-design:	07-2013	12-2013
Design:	07-2015	12-2016
Construction:	07-2017	07-2019
Duration of Construction (Months):	24	
State Construction Inflation Rate:	3.00%	
Base Month and Year:	8-2010	

Project Cost Summary

MACC:	\$ 36,250,000
MACC (Escalated):	\$ 45,812,750
Current Project Total:	\$ 63,995,427
Rounded Current Project Total:	\$ 63,995,000
Escalated Project Total:	\$ 79,500,000
Rounded Escalated Project Total:	\$ 79,500,000

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSULTANT SERVICES				
<u>Pre-Schematic Design Services</u>				
Programming/Site Analysis	300,000			
SubTotal: Pre-Schematic Design Services		300,000	1.1565	346,950
<u>Construction Documents</u>				
A/E Basic Design Services	2,260,000			
SubTotal: Construction Documents		2,260,000	1.1810	2,669,060
<u>Extra Services</u>				
Civil Design (Above Basic Services)	90,000			
Geotechnical Investigation	200,000			
Commissioning (Systems Check)	150,000			
Site Survey	30,000			
Testing	170,000			
Leadership Energy & Environment Design List(LEED)	150,000			
Voice/Data Consultant	25,000			
Environmental Mitigation Services (EIS)	120,000			
Landscape Consultant	50,000			
Acoustical Consultant	50,000			
Haz Mat Consultant	30,000			
Elevator Consultant	25,000			
Graphics	25,000			
Interior Design	150,000			
Specialty Consultants	170,000			
Phasing/Early Bid Packages	30,000			
Electronic AudioVisual	50,000			
Reimbursables/Doc Repro	100,000			
Transportation Consultant	25,000			
SubTotal: Extra Services		1,640,000	1.1810	1,936,840
<u>Other Services</u>				
Bid/Construction/Closeout	940,000			
HVAC Balancing	100,000			
On-site Representative	255,000			
Reimbursables	50,000			
As Builts	40,000			
Small Contracts	15,000			
SubTotal: Other Services		1,400,000	1.2638	1,769,320
<u>Design Services Contingency</u>				
Design Services Contingency	560,000			
Change Order Design Allowance	150,000			
SubTotal: Design Services Contingency		710,000	1.2638	897,298
Total: Consultant Services		6,310,000	1.2075	7,619,468
CONSTRUCTION CONTRACTS				
<u>Facility Construction</u>				
Complete Facilities	36,250,000			
SubTotal: Facility Construction		36,250,000	1.2638	45,812,750
Maximum Allowable Construction Cost (MACC)		36,250,000	1.2600	45,812,750
<u>GCCM Risk Contingency</u>				
GCCM Risk Contingency	960,000			
SubTotal: GCCM Risk Contingency		960,000	1.2638	1,213,248
<u>GCCM or Design Build Costs</u>				
GCCM Fee	1,450,104			
Bid General Conditions	1,058,000			
GCCM Preconstruction Services	400,000			

<u>ITEM</u>	<u>Base Amount</u>	<u>Sub Total</u>	<u>Escalation Factor</u>	<u>Escalated Cost</u>
CONSTRUCTION CONTRACTS				
Construction Support Services	1,202,470			
SubTotal: GCCM or Design Build Costs		4,110,574	1.2638	5,194,943
<u>Construction Contingencies</u>				
Management Reserve	906,250			
Allowance for Change Orders	3,625,000			
SubTotal: Construction Contingencies		4,531,250	1.2638	5,726,594
Sales Tax		4,126,665	1.2638	5,215,279
Total: Construction Contracts		49,978,489	1.2638	63,162,814
EQUIPMENT				
E10 - Equipment	1,650,000			
E20 - Furnishings	1,150,000			
SubTotal:		2,800,000	1.2638	3,538,640
Sales Tax		252,000	1.2638	318,478
Total: Equipment		3,052,000	1.2638	3,857,118
ART WORK				
Higher Ed Artwork	222,784			
Total: Art Work		229,064	1.0000	229,064
OTHER COSTS				
Permit, Insurance, Connectivity	906,000			
Total: Other Costs		906,000	1.2270	1,111,662
PROJECT MANAGEMENT				
Agency Project Management	3,458,250			
Preactive PM Fees	61,624			
Total: Project Management		3,519,874	1.0000	3,519,874

OFM

Cost Estimate Summary and Detail

2011-13 Biennium

*

Cost Estimate Number: 86
Cost Estimate Title: UW Tacoma Phase 4 Aug 2010

Report Number: CBS003
Date Run: 9/2/2010 9:18AM

<u>Parameter</u>	<u>Entered As</u>	<u>Interpreted As</u>
Associated or Unassociated	Associated	Associated
Biennium	2011-13	2011-13
Agency	360	360
Version	02-A	02-A
Project Classification	*	All Project Classifications
Capital Project Number	20102002	20102002
Cost Estimate Number	86	86
Sort Order	Number	Number
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

PROGRAMMATIC PROJECTS

Pre Design Study Submissions

In accordance with the Office of Financial Management 2011-21 Capital Budget Instructions, the University of Washington submitted Pre Design Studies to the Office of Financial Management on July 1, 2010 for the following Programmatic Projects:

- House of Knowledge
- Odegaard Undergraduate Learning Center Phase 1

These Pre Design Studies are available on the UW Office of Planning and Budgeting website at the following address: <http://www.washington.edu/admin/pb/home/opb-capital.htm> .



STATE OF WASHINGTON
OFFICE OF FINANCIAL MANAGEMENT

Insurance Building, PO Box 43113 • Olympia, Washington 98504-3113 • (360) 902-0555

September 1, 2010

TO: Colleen Pike
Director, Capital Resource Planning
Washington State University

FROM: Tom Saelid, Senior Budget Assistant *TS*
Budget Division

SUBJECT: HOUSE OF KNOWLEDGE GROWTH PROJECT

The Office of Financial Management has reviewed and approved the predesign document submitted for the House of Knowledge Growth Project. Based on this review, you may submit the capital budget request for design funding.

If you have any questions regarding the approval of this project, please contact Jeanne Rynne, at (360) 902-3068.

TS:lc

cc: Jeanne Rynne, Office of Financial Management
Marc Webster, Office of Financial Management
Steve Masse, House Capital Budget Committee
Tim Yowell, Senate Ways and Means Committee




STATE OF WASHINGTON
OFFICE OF FINANCIAL MANAGEMENT

Insurance Building, PO Box 43113 • Olympia, Washington 98504-3113 • (360) 902-0555

September 1, 2010

TO: Colleen Pike
Director, Capital Resource Planning
University of Washington

FROM: Tom Saelid, Senior Budget Assistant 
Budget Division

SUBJECT: ODEGARD LIBRARY RENOVATION

The Office of Financial Management has reviewed and approved the predesign document submitted for the Odegard Library Renovation. Based on this review, you may submit the capital budget request for design funding.

If you have any questions regarding the approval of this project, please contact Jeanne Rynne, at (360) 902-3068.

TS:lc

cc: Jeanne Rynne, Office of Financial Management
Marc Webster, Office of Financial Management
Steve Masse, House Capital Budget Committee
Tim Yowell, Senate Ways and Means Committee

PROGRAMMATIC PROJECTS

Major Project Request Reports

The University of Washington submitted Project Proposals for the 2011-13 Higher Education Capital Evaluation process to the Office of Financial Management on August 1, 2010 for the following Programmatic Projects:

- House of Knowledge
- Odegaard Undergraduate Learning Center Phase 1
- UW Tacoma Land Acquisition/Soils Remediation

A copy of the UW Tacoma Land Acquisition/Soils Remediation Project Proposal is included in this Capital Budget Submission with the CBS002 and CBS003 budget forms. This documentation provides an overall summary of the project, scope and project description, justification, proposed schedule, campus master plan and cost estimates.

The operating costs associated with the acquisition of the selected parcels on the UW Tacoma campus are estimated to be \$30,000 annually. This estimate is based on the cost for undeveloped vacant land and includes storm drainage, maintenance and security. The exact parcels to be acquired have not been determined and therefore an environmental review and engineering analysis have not been completed. The costs to develop the land or remediate the property are not yet known.

**Growth Management Act
Capital Budget Applicants Questionnaire
UW Bothell UW Seattle UW Tacoma**

1. Is your project in a county or city that is required to fully plan (according to RCW 36.70A.040) under the Growth Management Act? If the answer to this question is no, you do not have complete any more questions. YES NO
2. Is your project identified in the host county's or city's comprehensive plan? YES NO
3. Is your project identified in the host county's or city's capital facilities plan? YES NO
4. Is your project located in an identified urban growth area? (Please attach map showing project location and location of urban growth area) YES NO

All three of the University of Washington's campuses fall with in the urban growth area. The complete UW Master Plan Document for each campus can be seen at:

http://www.washington.edu/community/cmp_site/final_cmp.html (Seattle)

http://www.tacoma.washington.edu/admin_services/csp/ (Tacoma)

<http://www.uwb.edu/getattachment/admin/uwb-mp-draft2-1-.pdf> (Bothell)

Please note that the UW Bothell campus is in process of updating its 2006 Master Plan. The links in this questionnaire refer to the updated 2010 Master Plan.

5. If your project is located in an adopted urban growth area, does the project facilitate, accommodate, or attract planned for growth? YES NO
- a. What entity has analyzed the impacts on planned for growth in the host city's or county's urban growth area (for example, your agency, the host jurisdiction, etc.)?

UW Bothell: The City of Bothell incorporates the UW Bothell/ Cascadia Community College growth into their plan.

UW Seattle: The City of Seattle has analyzed the impacts on planned growth in the City of Seattle and incorporates the University of Washington's impacts of its growth on the City.

UW Tacoma: The City of Tacoma and UW Tacoma have worked together in identifying the development impacts to city's urban growth area.

- b. Is there a document that contains this information? If so, indicate document and attach the appropriate pages from that document? If not, attach an explanation.

The City of Bothell's Comprehensive Plan can be found at:

<http://www.ci.bothell.wa.us/CityServices/PlanningAndDevelopment/ComprehensivePlan.ashx?p=1280>

The City of Seattle's Comprehensive Plan can be found at:

http://www.seattle.gov/DPD/Planning/Seattle_s_Comprehensive_Plan/Overview/

The City of Tacoma's Comprehensive Plan can be found at:

<http://www.cityoftacoma.org/Page.aspx?cid=2241>

Master Plan for each campus is processed by the respective municipality. When necessary, respective campus master plan related issues are reviewed by the respective local municipality on a case by case basis.

6. If this project is located outside an urban growth area, will this project create pressures for additional development? YES NO

a. What entity has analyzed the impacts on planned for growth outside the urban growth area (for example, your agency, the host jurisdiction, etc.)?

Not Applicable

b. Is there a document that contains this information? If so, indicate document and attach appropriate pages that contains this analysis. If not, attach an explanation.

7. Has there been coordination among the governments in the region during the development of this project? YES NO

Is there a document that contains this information? If so, indicate document and attach appropriate pages that contain this analysis. If not, attach an explanation.

The UW Bothell Campus Master Plan is in process of being approved by the Board of Regents.

<http://www.uwb.edu/getattachment/admin/uwb-mp-draft2-1-.pdf> (Bothell)

The UW Seattle Campus Master Plan was approved in December 2002 by the City of Seattle and adopted by the UW Board of Regents in 2003. A complete copy of the UW Master Plan can be found at: http://www.washington.edu/community/cmp_site/final_cmp.html (Seattle)

The UW Tacoma Campus Master Plan was approved by the Board of Regents in 2008.

http://www.tacoma.washington.edu/admin_services/csp/ (Tacoma)

8. What local and additional funds were leveraged, if any? **Local UW funds may be leveraged at all three campuses on an individual project basis.**

9. Were the environmental outcomes and the reduction of adverse impacts examined? YES NO

Is there a document that contains this information? If so, attach the appropriate pages from that document. If not, attach an explanation.

UW Bothell includes impacts to the environment within its master plan. A complete copy may be found at: <http://www.uwb.edu/getattachment/admin/uwb-mp-draft2-1-.pdf> (Bothell)

The final environmental plan for the Seattle campus can be accessed at:

http://www.washington.edu/community/cmp_site/final_eis.html

UW Tacoma includes impacts to the environment within its master plan. A complete copy may be found at: http://www.tacoma.washington.edu/admin_services/csp/ (Tacoma)

Appendices

APPENDIX A

University of Washington Greenhouse Gas Emissions Reduction and Vehicle Miles Reduction Policy

The University of Washington, one of the oldest public universities on the West Coast, is a global leader in research and education. Nationally, the UW is recognized as a leader in reducing its carbon footprint, through implementation of wise use practices, energy conservation, and innovative transportation alternatives. In 2009, the UW received an A- on the College Sustainability Report Card, while in 2010, UW received 96/100 on the Princeton Green Rating and ranked 4th overall on Sierra Club Magazine's Cool Schools list.

Greenhouse Gas Emissions Reduction Policy

The University is committed to reducing emissions by at least 15% below 2005 levels by the year 2020 and 36% below 2005 levels by the year 2035 as described in the UW Climate Action Plan. This reduction target meets its obligations under the American College and University Presidents Climate Commitment and the Washington State goals in RCW [70.235.020](#).

A copy of the UW climate action plan can be downloaded at <http://f2.washington.edu/oess/uw-climate-action-plan> The UW Climate Action Plan's executive summary and section on GHG reduction targets is included in this appendix, directly following this page.

The primary focus of the Climate Action Plan is substantive carbon reduction, which is part of a larger, more holistic set of strategies that include:

1. Moving forward toward climate neutrality
2. Engaging faculty and students in conservation and related behavior change
3. Integrating formal and informal learning on sustainability
4. More walking/cycling, less reliance on motorized transportation
5. Becoming energy efficient

Vehicle Miles Reduction Policy

The UW's trip reduction policies are outlined in the Transportation Management Plan and are implemented through the U-PASS program – an innovative program that supports the use of mass transportation to campus and throughout the region.

(http://www.washington.edu/community/cmp_site/cmpfinal/07_TMP_FP.pdf)

(<http://www.washington.edu/admin/rules/APS/53.04.html>).

Through this program, the UW has reduced total daily trip generation by approximately 7,500 trips while campus population grew by 18,000 people. An overview of program results is available at http://www.washington.edu/facilities/transportation/commuterservices/files/reports/U-PASS_Profile2010.pdf.

APPENDIX A

In an effort to reduce vehicle miles traveled (VMT) from business travel, the University has reduced the size of its automotive fleet by approximately 20% and emphasized car sharing for business travel over assigned department vehicles.



UNIVERSITY *of* WASHINGTON

Climate Action Plan



1 Introduction

1.1 The UW Climate Action Plan



The UW Climate Action Plan describes commitments being made by the University of Washington (the University, UW) to meet its obligations under the American College and University Presidents Climate Commitment (ACUPCC). Those obligations include intent to achieve a climate-neutral university having no net greenhouse gas (GHG) emissions. The UW Climate Action Plan (the Plan) sets out broad strategies that will guide us toward that ambitious goal and identifies the actions that can fulfill each of those strategies. Analysis of the financial, environmental and social aspects of the actions will be necessary for prioritization of implementation. This Plan establishes the first steps, identifying the framework strategies and providing a number of proposed actions. The proposed actions will be expanded upon, evaluated and prioritized over the next year, with a detailed Implementation Document produced by September 2010.

The core of our effort is to expand the UW's already rich history of environmental research, education and community outreach. We will build upon our unique capabilities as a world leader in climate research by developing innovative, groundbreaking efforts in interdisciplinary approaches to climate change. We will build on a long history of environmental education to add curriculum development on climate change and integrate our educational efforts with research. We will build upon our reputation for providing talent and knowledge to the Pacific Northwest by preparing the next generations of UW graduates to confront future climate issues with experience and innovation. These are the strategies that will be described in Chapter 2, *Strategies for Academic Engagement in Climate Change*.

The UW's talented, committed and resourceful community is extensive, and we expect to break new ground in bringing the academic and administrative sides of our university together to act in concert to meet the goals of the Climate Action Plan. With a population of roughly 70,000 students, staff and faculty throughout its three campuses, the UW has the size and complexity of a small city. It can function as a research center and test bed for GHG goal-setting, reduction technologies and administrative processes that can be expanded upon by communities and other large organizations in Washington State. Chapter 4, *Strategies for*

Reducing University Emissions, details some of the strategies that will lead our community in mitigating GHG emissions.

The UW will reduce GHG emissions to meet or exceed the goals passed by the Washington State Legislature in April of 2009, requiring Washington state agencies to reduce emissions 15% below 2005 levels by 2020, and 36% below 2005 levels by 2035. Climate neutrality is not specified in the state mandate. The UW, hoping to achieve neutrality by 2050, is unable to set this as the firm target date since the technologies necessary to meet it, and the federal and international policies that can support GHG neutrality, are still emerging. Indeed, accelerated, interdisciplinary work at the University will play an important role in guiding the very developments that will make GHG neutrality possible.

1.2 Climate Action and the UW Vision



The UW Climate Action Plan builds on the University of Washington’s Vision Statement, which highlights seven characteristics that make the UW “Uniquely Washington”: We strive to be **World Leaders in Research** on several fronts with the science of climate change, on the impacts of climate change, on climate policy and on greenhouse gas mitigation. Through the integrative College of the Environment, we will foster an **Academic Community** that rallies around the multidisciplinary challenges of climate change. Careful attention to the effects of climate on the Pacific Northwest **Celebrates Place**, and **Being Public** means we work with Washington’s citizens to manage those effects wisely. In addition to managing the effects, we as **World Citizens** work actively to combat global climate change by bringing our **Spirit of Innovation** to mitigation technologies. Finally, the **UW Standard of Excellence** calls for recruiting the best faculty and staff, pursuing academic excellence and holding ourselves to the highest standard of ethics.

Our Vision Statement is augmented by five goals known as the Grand Challenges, all of which are addressed by the Climate Action Plan:

1. **Attract a diverse and excellent student body and provide a rich learning experience.** The Climate Action Plan connects the UW student experience to the intricate web of relationships required for successful stewardship. The UW educational experience is concretely linked to research and community action, both on and off campus.

2. **Attract and retain an outstanding and diverse faculty and staff to enhance educational quality, research strength and prominent leadership.** The Climate Action Plan boldly places the UW in a leadership position within many research fields and academic disciplines, and should attract visionary faculty and staff. The Plan explicitly calls for supporting new, interdisciplinary faculty positions.
3. **Strengthen interdisciplinary research and scholarship to tackle “grand challenge” problems that will benefit society and stimulate economic development.** Tackling the demands of climate change mitigation and adaptation is quickly evolving to be one of the grand challenges of this century.
4. **Expand the reach of the UW from our community and region across the world to enhance global competitiveness of our students and the region.** Highlighting and expanding the UW’s research on global climate change ties our education to the world, while our location in a major Pacific Rim port city reminds us of the tangible implications for trade in climate-related technologies.
5. **Maintain and build infrastructure and facilities to insure the highest level of integrity, compliance and stewardship.** The Climate Action Plan requires integration of UW’s physical infrastructure with academic and administrative priorities and policies to identify and make the required trade-offs to create an effective and self-perpetuating path forward.

spond and guidelines for participation); showcase personal stories and provide information on GHG reduction and other metrics.

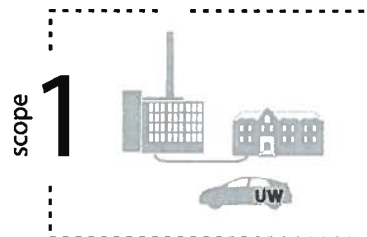
3 University Greenhouse Gas Emissions and Emission Targets

The University of Washington has been tracking annual GHG emissions since 2005. The UW has also calculated emissions for its GHG management baseline year, 2000.

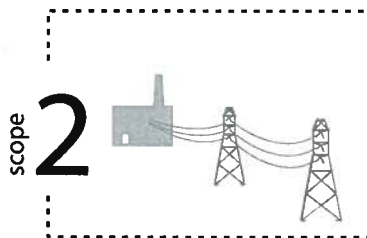
The UW GHG inventory accounts emissions from all equipment and property owned by the University of Washington. This includes three campuses located in Seattle, Bothell and Tacoma, Washington. The inventory also includes minor facilities scattered throughout the state. The Seattle campus supports about 94% of the UW's total headcount of nearly 70,000 students, staff and faculty, and therefore dominates the GHG inventory.

The inventory follows the Implementation Guide published by ACUPCC and the *GHG Protocol* published by the World Business Council for Sustainable Development/World Resources Institute. The *GHG Protocol* prescribes that emissions be reported in three different categories, or "Scopes":

Scope 1 – Direct Emissions, includes emissions that originate from real estate and equipment owned by the University. On-site natural gas heating and vehicle fleets are examples.



Scope 2 – Energy Imports, includes emissions from power plants that generate the electricity purchased by the University.



Scope 3 – Other Emissions, includes any sources of emissions that are not included in Scope 1 or 2, for which the University wishes to take responsibility. An example is emissions from vehicles used by commuting students, faculty and staff.

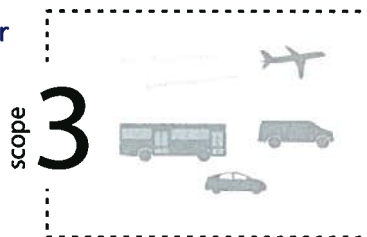


Figure 5 – Emission history by source. Emissions from major sources at the University of Washington, 2000 through 2008. Emissions from each source are shown separately, and the sources are labeled with their *GHG Protocol Scopes*. Actual inventories have been conducted for the years 2000, 2005, 2006, 2007 and 2008. The inventories for the years 2001, 2002, 2003 and 2004 are estimates interpolated between the years 2000 and 2005.

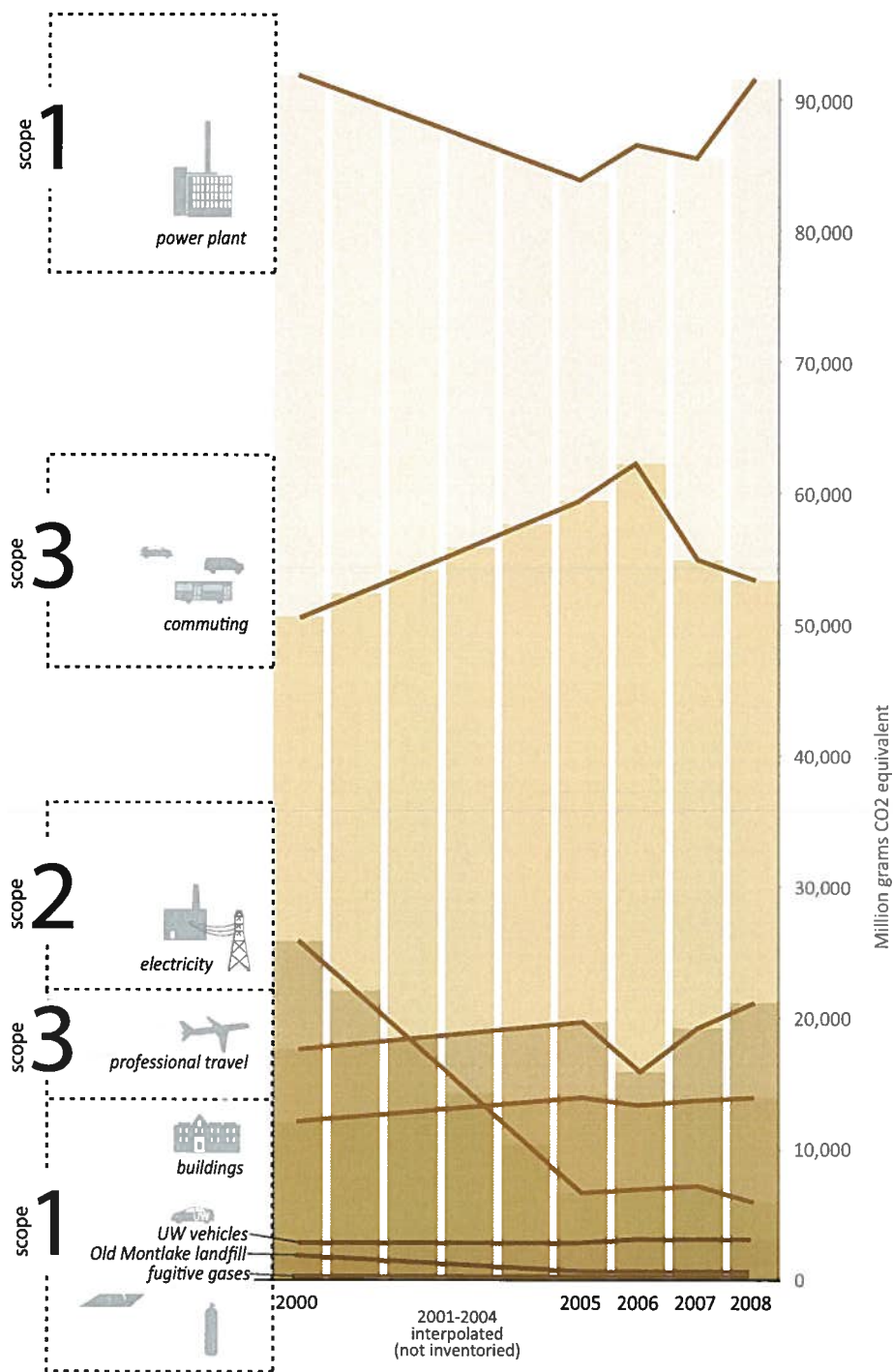
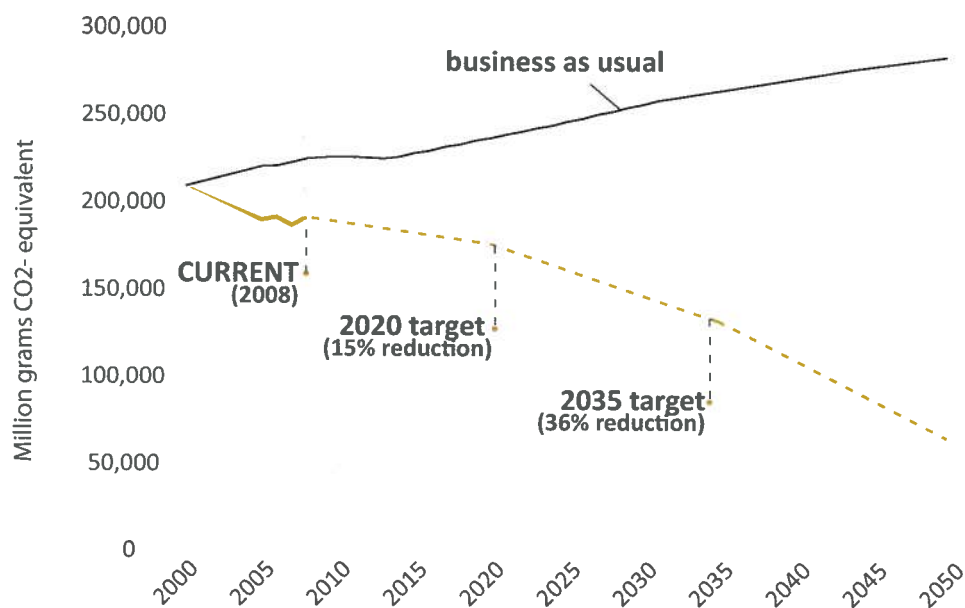


Figure 5 shows that within each scope, different categories of sources show different trends in their emissions from 2005 through 2008, and relative to 2000. For example, Scope 1 emissions from the central utility plant dropped below their baseline levels after 2000, but have been climbing since 2005. Scope 2 emissions dropped steeply after 2000, driven primarily by policy changes at Seattle City Light, the electricity supplier for the Seattle Campus. Scope 3 emissions attributable to students, staff and faculty commuting are above the baseline, but show a decreasing trend. 6 shows the total emissions in the inventory – the solid gold line shows actual emissions from 2000 to 2008, and the dotted gold line shows the trajectory we expect to follow in meeting our GHG targets.

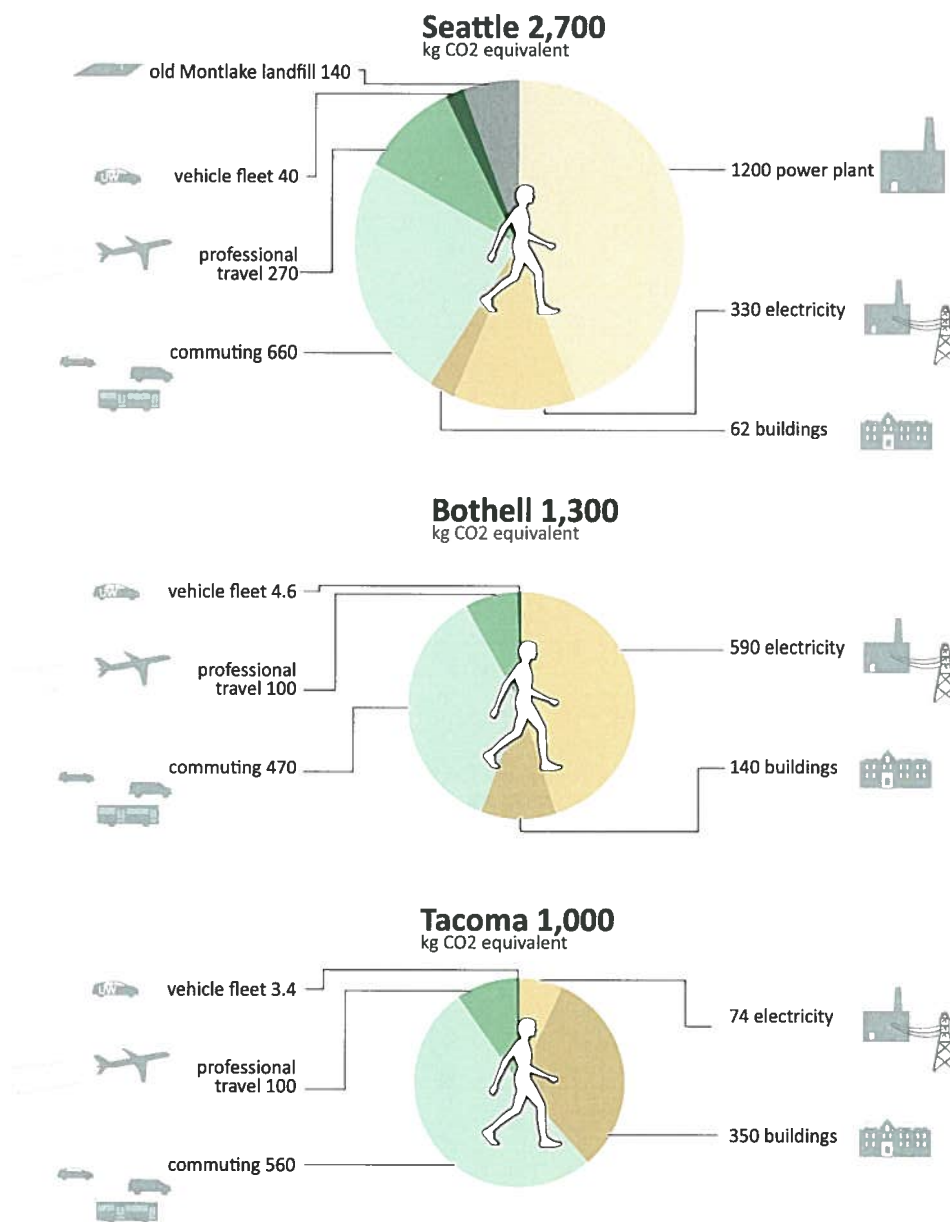
Figure 6 – “Business as usual” projection. The grey, “business as usual” line estimates the path emissions would have taken from 2000 to 2050, absent any policy or behavior changes since 2000. The solid yellow line shows actual emissions from 2000 to 2008. The dashed yellow line indicates the path emissions are expected to take from 2009 to 2050, with implementation of the Climate Action Plan.



The UW’s total emissions have fallen substantially from the baseline year (2000) to the latest inventory year (2008). The early reduction is driven in part by Seattle City Light’s commitment, as of 2005, to provide zero GHG emission electricity. It has also been driven by an aggressive energy conservation plan on the Seattle campus, keeping building energy use constant, despite increasing campus population and floor space (see Figure 2).

University of Washington Climate Action Plan

Figure 7 – Per-capita emissions by campus. The area of each pie chart is equal to the campus emissions divided by the total number of students, staff and faculty affiliated with the campus. **Not to be confused with total emissions, for which the Seattle campus would dwarf the other two.** Numbers printed on each wedge indicate the area of the wedge, in kilograms of CO₂-equivalent. All values are rounded to two significant digits.



Comparing the University's three campuses yields some interesting information about how GHG emissions are generated. Since the campuses are different in

University of Washington Climate Action Plan

size, we can compare them only by generating estimates of per-capita emissions, dividing the gross campus emissions by the total number of students, staff and faculty associated with that campus. Figure 7 shows that employees and students on the Seattle campus are associated with the largest GHG “footprint,” and Tacoma with the smallest.

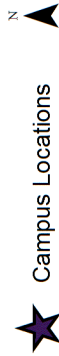
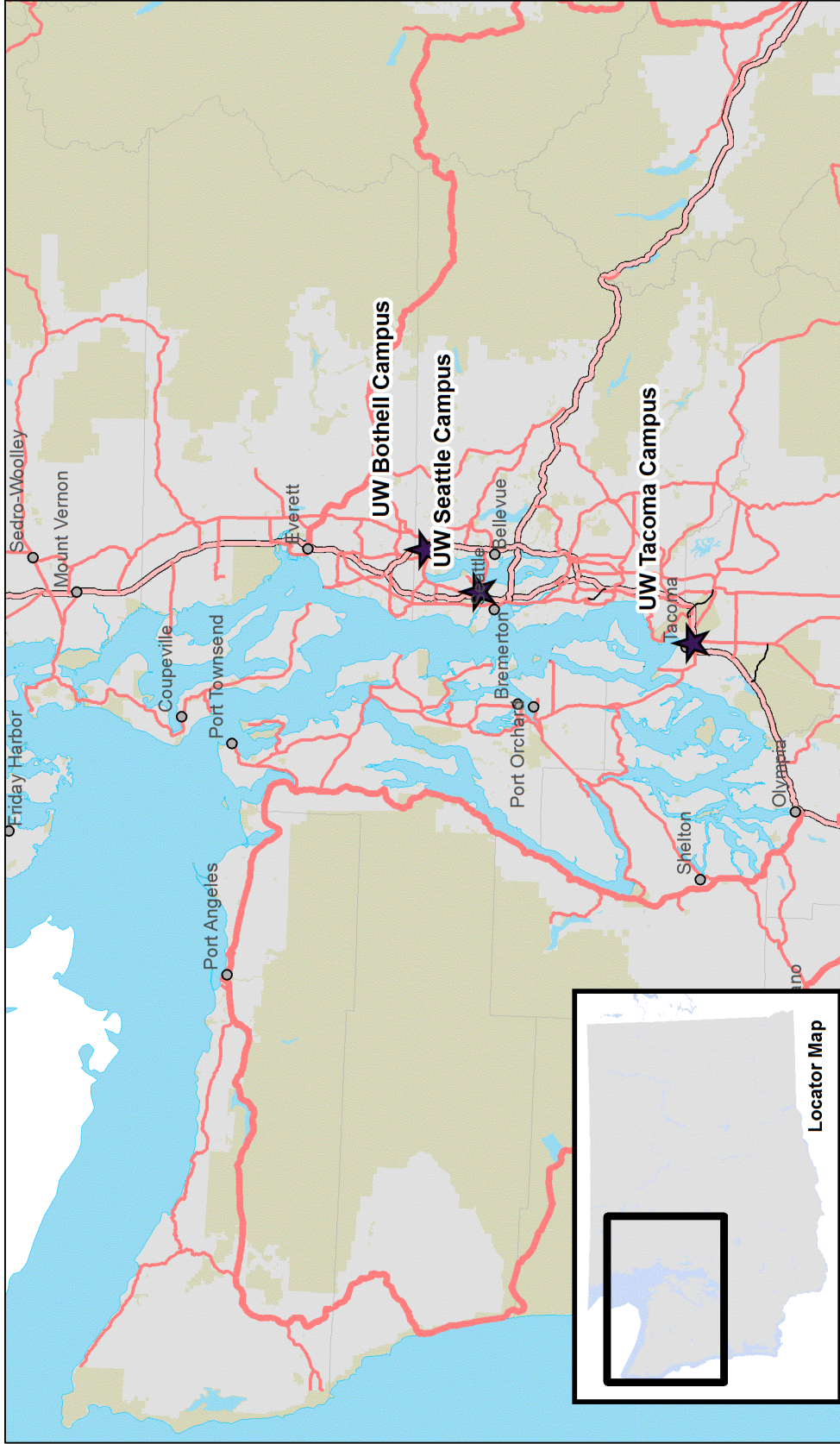
Approximately 1,200 kg of the 1,500 kg Scope 1 emissions per Seattle capita are attributed to the central utility plant, which provides steam to heat the campus. The Scope 1 emissions at the other two campuses are due primarily to combusting natural gas for heating buildings, but at a smaller scale than performed at the Seattle campus’ central utility plant. Scope 2 emissions at the Bothell Campus are higher because the utility that supplies electricity to the Bothell Campus (Puget Sound Energy) has a much larger share of coal in its energy mix than Seattle City Light and Tacoma Power, which serve the other two campuses. The combined Scope 1 and Scope 2 per-capita emissions at the Seattle Campus are significantly higher than at the Bothell Campus or Tacoma Campus. There are several reasons, including the high number research facilities, a Medical Center and significant on-campus student housing located at the Seattle Campus. The Seattle Campus’ larger load of Scope 3 emissions is related to the higher proportion of employees to students at this campus related to its research focus and medical center operations. Students generally live much closer to campus and have a smaller commuting footprint than staff or faculty. Furthermore, the greater presence of research staff on the Seattle campus means there is a larger amount of professional travel per capita.

The State of Washington has set GHG reduction targets for state government by law (engrossed second substitute senate bill 5560 of the 61st Legislature, 2009). The law requires:

- By 2020, reduce emissions 15% below 2005 levels;
- By 2035, reduce emissions 36% below 2005 levels;
- By 2050, reduce emissions the greater of:
 - 57.5% below 2005 levels, or
 - 70% below business-as-usual levels projected for 2050.

The legislation does not specify a methodology for determining the projection necessary for determining a 2050 target.

UW Campus Locations



October 26, 2009

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UW Seattle – Campus



UW-Owned or Occupied Buildings Master Plan Boundary UW Owned Parcels UW Master Plan Area

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UNIVERSITY of WASHINGTON
OFFICE OF PLANNING & BUDGETING

State of Space 2009
2011-13 Capital Budget Request

UW Bothell Campus

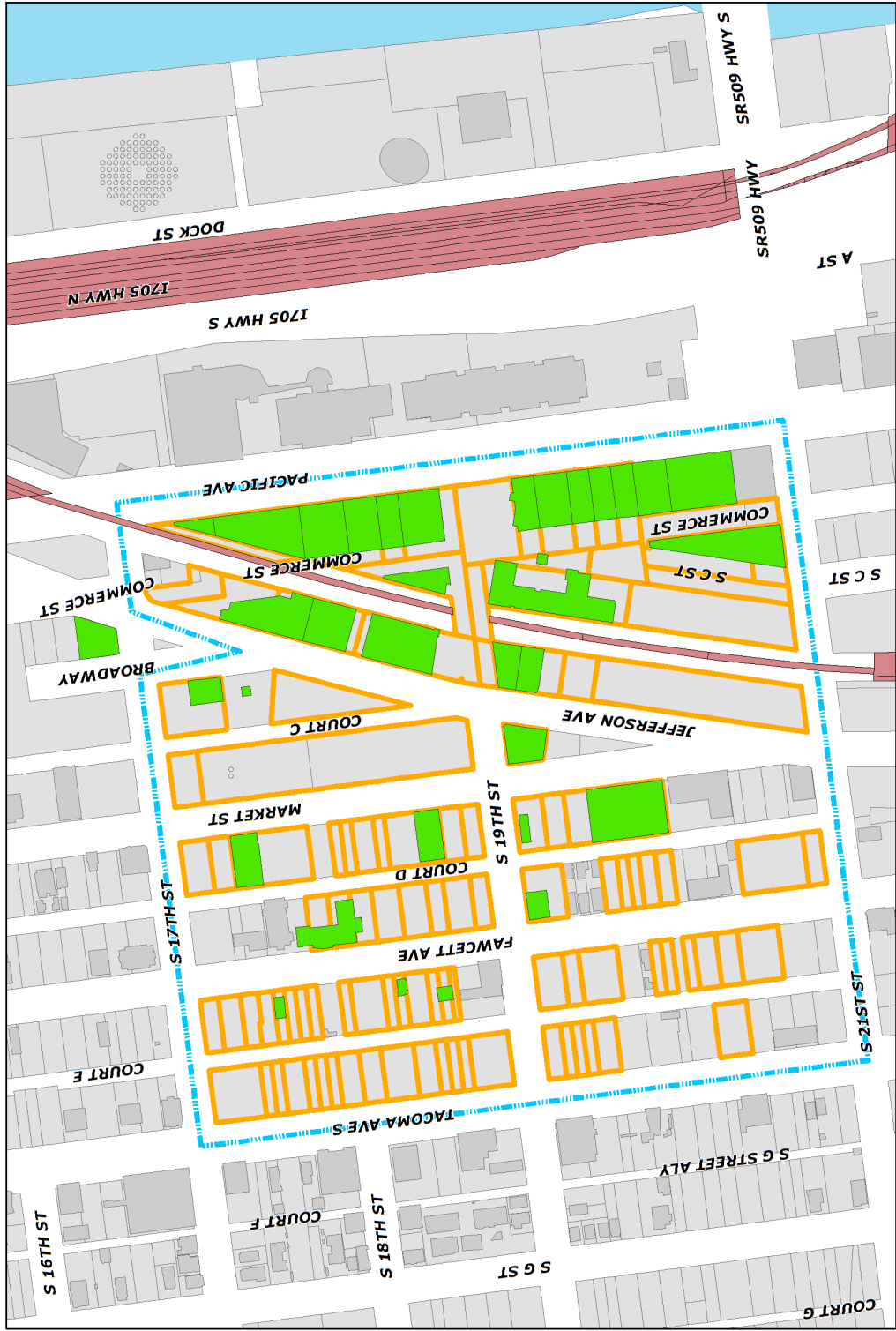


UW Owned Parcels
 UW Bothell
 Cascadia Community College
 Shared UWB and CCC
 Campus Area

August 10, 2009 CVSW\workspace\caspo\SIMS\GISM\apps\Bothell\Bothell1.mxd



UW Tacoma Campus



-  Master Plan Boundary
-  UW Buildings
-  UW Owned Parcels
-  Railroad ROW

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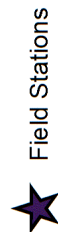
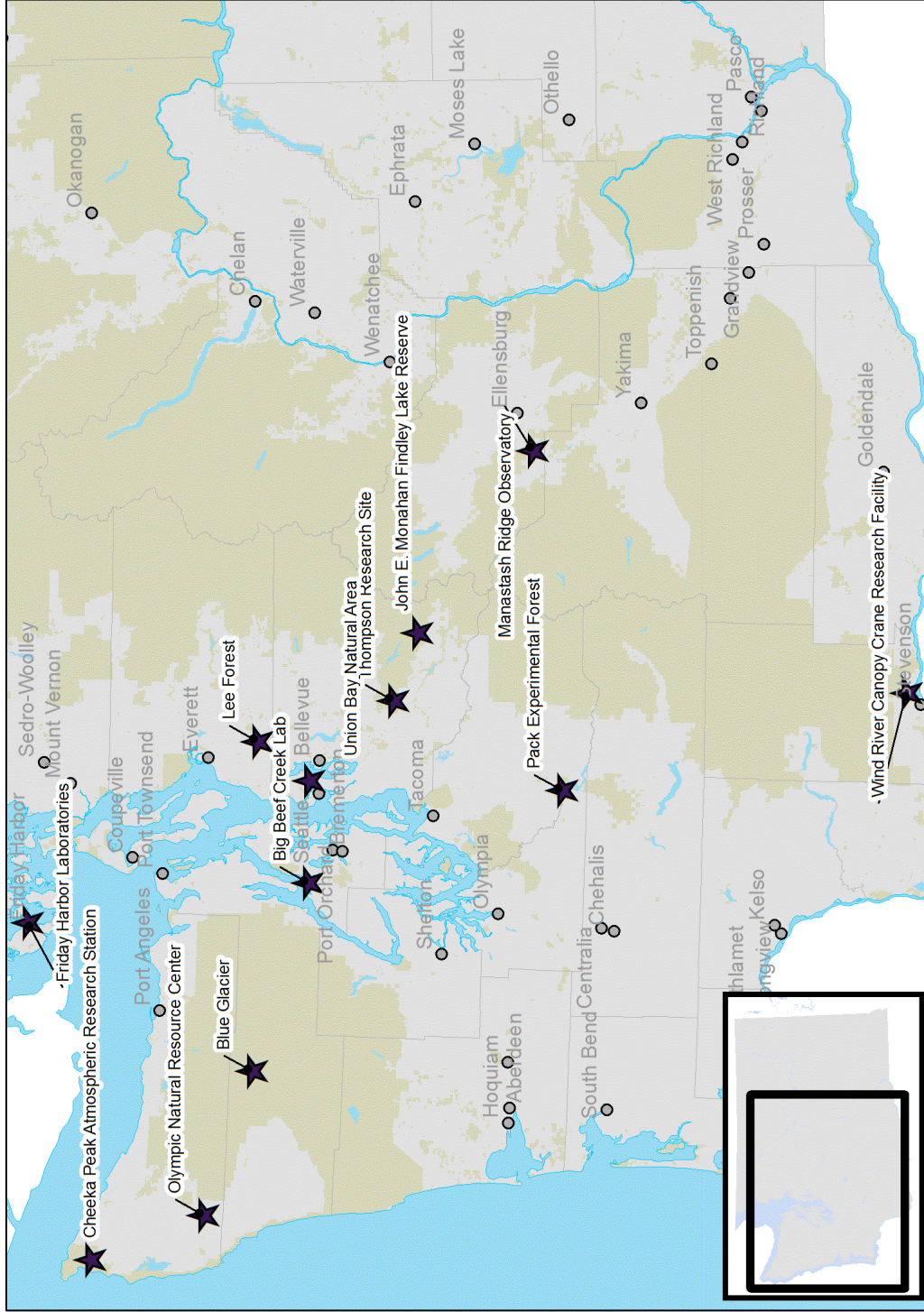
*UW owned parcels includes easements and street vacations



UNIVERSITY of WASHINGTON
OFFICE OF PLANNING & BUDGETING

State of Space 2009
2011-13 Capital Budget Request

UW Field Stations



Field Stations



November 4, 2009

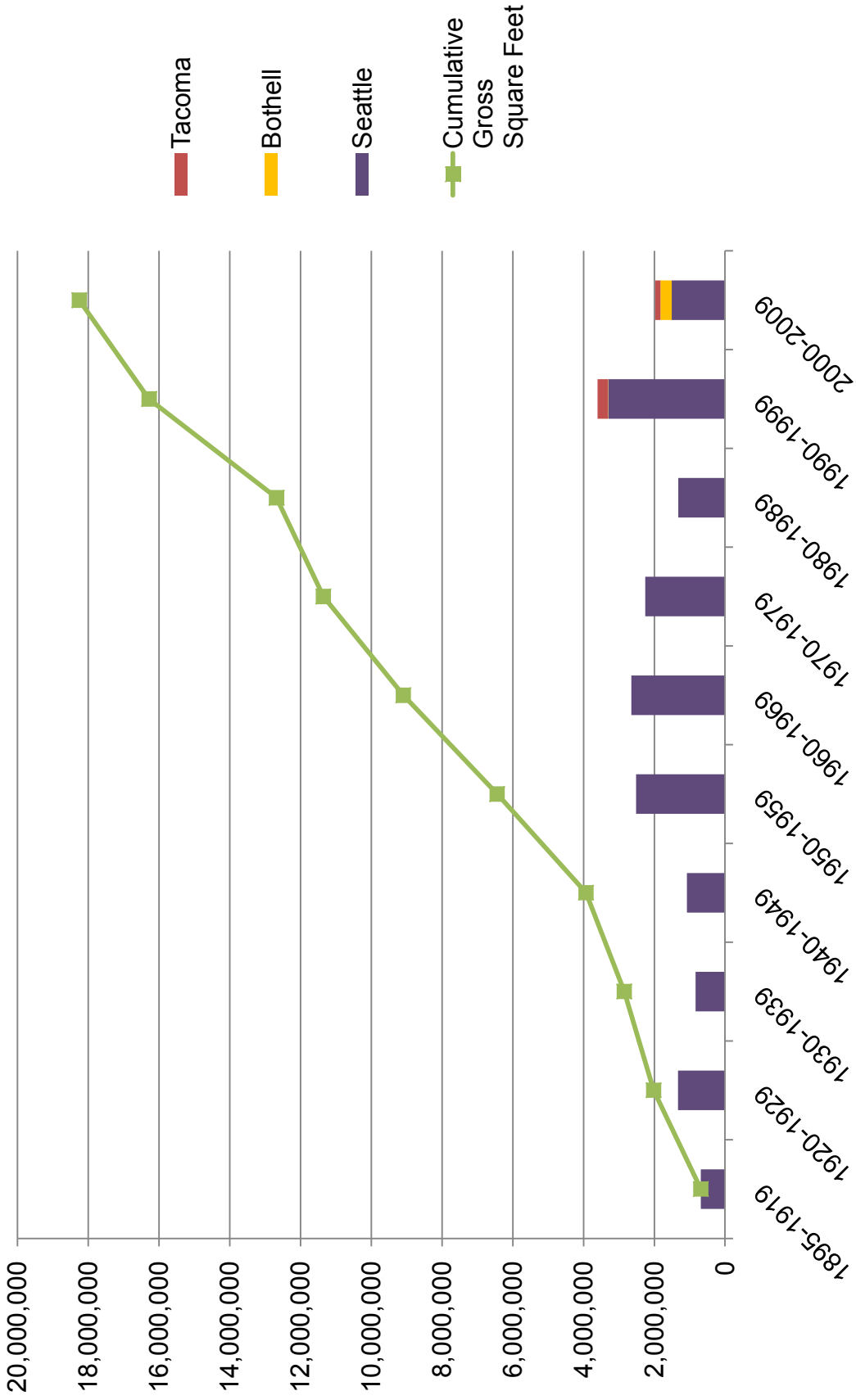
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UNIVERSITY of WASHINGTON
OFFICE OF PLANNING & BUDGETING

State of Space 2009
2011-13 Capital Budget Request

Gross Square Feet by Original Construction Date



* Information provided by Office of Planning & Budgeting

**UNIVERSITY OF WASHINGTON
2011-13 BUILDING INVENTORY**

Agency Assigned Number	Agency Assigned Common Name	Situs Address Number		Address Suffix		City	GPS Latitude	GPS Longitude	Square Feet (GSF)	Year Constructed	OFM Condition #
1060	1401-11 NE BOAT ST	1401	NE	ST		SEATTLE	47.65133	-122.31339	3,210	1965	3
4352	1425 NE BOAT ST	1425	NE	ST		SEATTLE	47.65109	-122.31318	4,574	1930	2
1286	1429 NE BOAT ST	1429	NE	ST		SEATTLE	47.650309	-122.312766	1,347	1930	2
1030	3710 BROOKLYN NE	3710		AVE	NE	SEATTLE	47.651964	-122.314227	3,897	1950	2
1031	3716 BROOKLYN NE	3716		AVE	NE	SEATTLE	47.652155	-122.314212	3,371	1951	2
4075	3900/3902 U WAY	3900		WAY	NE	SEATTLE	47.653749	-122.312877	1,248	1941	5
1029	3930 BROOKLYN NE	3930		AVE	NE	SEATTLE	47.654999	-122.314227	3,108	1940	3
1042	3935 UNIV WAY NE	3935		WAY	NE	SEATTLE	47.654777	-122.31361	5,363	1931	3
1015	3937 15TH AVE NE	3937		AVE	NE	SEATTLE	47.65434	-122.312463	3,613	1922	3
1041	3939 UNIV WAY NE	3939		WAY	NE	SEATTLE	47.654893	-122.313624	4,748	1941	2
1019	3941 UNIV WAY NE	3941		WAY	NE	SEATTLE	47.655053	-122.313602	7,576	1941	3
1033	3945 15TH AVE NE	3945		AVE	NE	SEATTLE	47.654562	-122.312464	2,198	1918	2
1285	3947 UNIV WAY NE	3945		WAY	NE	SEATTLE	47.655231	-122.31359	3,136	1984	3
1032	4001-7 UNIV WAY NE	4001		WAY	NE	SEATTLE	47.655519	-122.313504	2,815	1925	3
1062	5020 25TH AVE NE	5020		AVE	NE	SEATTLE	47.665	-122.3	2,939	1956	1
4404	6101 RADFORD DR	6101	NE	DR		SEATTLE	47.674919	-122.261535	3,922	2001	1
4214	6121 RADFORD COURT	6121	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2001	1
4215	6145 RADFORD COURT	6145	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4406	6150 RADFORD DR	6150	NE	DR		SEATTLE	47.67395	-122.26137	3,922	2002	1
4405	6155 RADFORD DR	6155	NE	DR		SEATTLE	47.67382	-122.36136	3,922	2002	1
4408	6162 RADFORD DR	6162	NE	DR		SEATTLE	47.6737	-122.26132	3,922	2002	1
4409	6163 RADFORD DR	6163	NE	DR		SEATTLE	47.67393	-122.26142	3,922	2002	1
4410	6169 RADFORD DR	6169	NE	DR		SEATTLE	47.67382	-122.26143	3,922	2002	1
4411	6173 RADFORD DR	6173	NE	DR		SEATTLE	47.67376	-122.26143	3,922	2002	1
4412	6179 RADFORD DR	6179	NE	DR		SEATTLE	47.6737	-122.26146	3,922	2002	1
4415	6180 RADFORD DR	6180	NE	DR		SEATTLE	47.67353	-122.26106	3,922	2002	1
4413	6183 RADFORD DR	6183	NE	DR		SEATTLE	47.67357	-122.26134	3,922	2002	1
4414	6189 RADFORD DR	6189	NE	DR		SEATTLE	47.67352	-122.26126	3,922	2002	1
4216	6200 RADFORD COURT	6200	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4217	6205 RADFORD COURT	6205	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4417	6227 RADFORD DR	6227	NE	DR		SEATTLE	47.67332	-122.26033	3,922	2002	1
4418	6245 RADFORD DR	6245	NE	DR		SEATTLE	47.67329	-122.25989	3,922	2002	1
4416	6246 RADFORD DR	6246	NE	DR		SEATTLE	47.67334	-122.2596	3,922	2002	1
4219	6255 RADFORD COURT	6255	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4419	6262 RADFORD DR	6262	NE	DR		SEATTLE	47.67342	-122.25931	3,922	2002	1
4221	6267 RADFORD COURT	6267	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4220	6271 RADFORD COURT	6271	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4222	6278 RADFORD COURT	6278	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4420	6300 RADFORD DR	6300	NE	DR		SEATTLE	47.67357	-122.25915	3,922	2002	1
4428	6301 65TH AVE NE	6301		AVE	NE	SEATTLE	47.67484	-122.2582	3,922	2001	
4421	6303 RADFORD DR	6303	NE	DR		SEATTLE	47.67385	-122.25903	3,922	2001	1
4427	6311 65TH AVE NE	6311		AVE	NE	SEATTLE	47.67485	-122.25819	3,922	2001	
4422	6315 RADFORD DR	6315	NE	DR		SEATTLE	47.67405	-122.25922	3,922	2001	1
4430	6319 65TH AVE NE	6319		AVE	NE	SEATTLE	47.67487	-122.25818	3,922	2001	
4429	6321 RADFORD DR	6321	NE	DR		SEATTLE	47.67408	-122.25932	3,922	2001	1
4431	6323 65TH AVE NE	6323		AVE	NE	SEATTLE	47.67487	-122.2582	3,922	2001	9
4223	6330 RADFORD COURT	6330	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4432	6331 65TH AVE NE	6331		AVE	NE	SEATTLE	47.67484	-122.25825	3,922	2001	
4224	6333 RADFORD COURT	6333	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2001	1
4225	6346 RADFORD COURT	6346	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2002	1
4423	6349 RADFORD DR	6349	NE	DR		SEATTLE	47.67416	-122.25997	3,922	2001	1
4424	6350 RADFORD DR	6350	NE	DR		SEATTLE	47.67413	-122.26017	3,922	2002	1

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4425	6353 RADFORD DR	6353	NE	DR		SEATTLE	47.67423	-122.26012	3,922	2001	1
4226	6367 RADFORD COURT	6367	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2001	1
4227	6371 RADFORD COURT	6371	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2001	1
4407	6378 RADFORD DR	6378	NE	DR		SEATTLE	47.67442	-122.26079	3,922	2002	1
4426	6387 RADFORD DR	6387	NE	DR		SEATTLE	47.67455	-122.2608	3,922	2001	1
4403	6400 RADFORD DR	6400	NE	DR		SEATTLE	47.67468	-122.26104	3,922	2001	1
4433	6401 65TH AVE NE	6401		AVE	NE	SEATTLE	47.67505	-122.25825	3,922	2001	
4228	6401 RADFORD COURT	6401	NE	CT		SEATTLE	47.67512	-122.25827	3,922	2001	1
4434	6417 65TH AVE NE	6417		AVE	NE	SEATTLE	47.6751	-122.25825	3,922	2001	
4401	6423 RADFORD DR	6423	NE	DR		SEATTLE	47.67468	-122.26119	3,922	2001	1
4435	6425 65TH AVE NE	6425		AVE	NE	SEATTLE	47.67512	-122.25827	3,922	2001	
4399	6431 RADFORD DR	6431	NE	DR		SEATTLE	47.67512	-122.25827	3,922	2001	1
4402	6450 RADFORD DR	6450	NE	DR		SEATTLE	47.67512	-122.25827	3,922	2001	1
4400	6451 RADFORD DR	6451	NE	DR		SEATTLE	47.67512	-122.25827	3,922	2001	1
1400	ACADEMIC BUILDING	1900		ST		TACOMA	47.245923	-122.437385	111,184	1891	1
1131	AERO & ENG RESCH	3795	E	WY	NE	SEATTLE	47.654153	-122.305683	58,779	1969	2
1185	AERODYNAMICS LAB	3901	E	WY	NE	SEATTLE	47.654192	-122.305435	1,871	1917	1
3991	ALLEN CENTER FOR CSE	3785	E	WY	NE	SEATTLE	47.653241	-122.305803	168,954	2003	1
1317	ALLEN CNTR VIS ART	4000		AVE	NE	SEATTLE	47.656243	-122.31164	43,937	1997	1
1107	ALLEN LIBRARY	1900	NE	LN		SEATTLE	47.655573	-122.30705	221,635	1991	1
1351	ANDERSON HALL	3715	W	WY	NE	SEATTLE	47.651755	-122.30757	33,543	1925	3
4166	APPLIED PHYSICS ANNX	3737		LN		SEATTLE	47.653704	-122.303874	100	1925	3
1503	ARBORETUM CARETAKER	2300		DR	E	SEATTLE	47.62889	-122.29591	3,031	1935	1
1500	ARBORETUM COTTAGE	2300		DR	E	SEATTLE	47.62889	-122.29591	596	1935	1
1501	ARBORETUM GREENHOUSE	2300		DR	E	SEATTLE	47.62889	-122.29591	5,688	1935	1
1502	ARBORETUM STORAGE 1	2300		DR	E	SEATTLE	47.62889	-122.29591	182	1935	1
1024	ARCHITECTS SCCO	1506	NE	RD		SEATTLE	47.649696	-122.311777	1,070	1971	2
1180	ARCHITECTURE	3943	W	WY	NE	SEATTLE	47.654561	-122.310904	47,485	1909	1
1298	ART BUILDING	1915	NE	LN		SEATTLE	47.658392	-122.306461	124,082	1949	4
1044	ATHLTC MNTNC BLDG	3800		BLVD	NE	SEATTLE	47.652447	-122.3015942	4,210	1989	1
1294	ATMOS SCI/GEOPHYS	3920		LN	NE	SEATTLE	47.654081	-122.309058	77,709	1970	2
1206	BAGLEY HALL	3900		LN	NE	SEATTLE	47.653231	-122.308359	223,700	1937	4
1157	BALMER HALL	4273	E	WY	NE	SEATTLE	47.659152	-122.307703	78,677	1962	4
1512	BBC BLUE PUMP HOUSE	9744		RD	NW	SEABECK	47.65557	-122.78634	1,042	1943	1
1519	BBC CABIN 1	11000		HWY	NW	SEABECK	47.65557	-122.78634	414	1943	1
1520	BBC CABIN 2	11000		HWY	NW	SEABECK	47.65557	-122.78634	481	1943	1
1521	BBC CABIN 3	11000		HWY	NW	SEABECK	47.65557	-122.78634	412	1943	1
1522	BBC CABIN 4	11000		HWY	NW	SEABECK	47.65557	-122.78634	414	1943	1
1523	BBC CABIN 5	11000		HWY	NW	SEABECK	47.65557	-122.78634	410	1943	1
1511	BBC COUNTING SHED	9744		RD	NW	SEABECK	47.65557	-122.78634	110	1943	1
1515	BBC FISH HATCHERY	9744		RD	NW	SEABECK	47.65557	-122.78634	801	1943	1
1504	BBC HOUSE 1	9744		RD	NW	SEABECK	47.65557	-122.78634	739	1943	1
1516	BBC HOUSE 2	9744		RD	NW	SEABECK	47.65557	-122.78634	1,473	1943	1
1517	BBC HOUSE 2 GARAGE	9744		RD	NW	SEABECK	47.65557	-122.78634	494	1943	1
1506	BBC LABORATORY BLDG	9744		RD	NW	SEABECK	47.65557	-122.78634	1,233	1943	1
1513	BBC OFFICE BUILDING	9744		RD	NW	SEABECK	47.65557	-122.78634	146	1943	1
1509	BBC PUMP HOUSE	9744		RD	NW	SEABECK	47.65557	-122.78634	176	1943	1
1507	BBC SHOP STORAGE	9744		RD	NW	SEABECK	47.65557	-122.78634	1,713	1943	1
1514	BBC STORAGE SHED	9744		RD	NW	SEABECK	47.65557	-122.78634	65	1943	1
1508	BBC VIEWING CHAMBER	9744		RD	NW	SEABECK	47.65557	-122.78634	250	1943	1
1505	BBC WAREHOUSE 1	9744		RD	NW	SEABECK	47.65557	-122.78634	1,578	1943	1
1518	BBC WELL HOUSE	9744		RD	NW	SEABECK	47.65557	-122.78634	54	1943	1

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1510	BBC WIER SHED	9744		RD	NW	SEABECK	47.65557	-122.78634	255	1943	1
4353	BEN HALL INT. RSCH	616	NE	PL		SEATTLE	47.655145	-122.321252	130,141	2006	1
1277	BENSON HALL	3781		LN	NE	SEATTLE	47.652996	-122.309525	76,271	1966	4
1527	BLKY VIL COMM CENTER	4747		AVE	NE	SEATTLE	47.665319	-122.297669	2,370	1982	1
1524	BLKY VIL COMPLEX A	4747		AVE	NE	SEATTLE	47.665667	-122.298175	6,738	1982	1
1525	BLKY VIL COMPLEX B	4747		AVE	NE	SEATTLE	47.665458	-122.297647	11,220	1982	1
1526	BLKY VIL COMPLEX C	4747		AVE	NE	SEATTLE	47.665488	-122.298338	7,480	1982	1
1528	BLKY VIL COMPLEX D	4747		AVE	NE	SEATTLE	47.665263	-122.298258	8,920	1982	1
1529	BLKY VIL COMPLEX E	4747		AVE	NE	SEATTLE	47.665015	-122.297974	3,740	1982	1
1530	BLKY VIL COMPLEX F	4747		AVE	NE	SEATTLE	47.664822	-122.297179	8,920	1982	1
1531	BLKY VIL COMPLEX G	4747		AVE	NE	SEATTLE	47.664819	-122.296815	9,279	1982	1
1532	BLKY VIL COMPLEX H	4747		AVE	NE	SEATTLE	47.664594	-122.296455	4,492	1982	1
1533	BLKY VIL COMPLEX J	4747		AVE	NE	SEATTLE	47.664425	-122.296506	12,372	1982	1
1534	BLKY VIL COMPLEX K	4747		AVE	NE	SEATTLE	47.664425	-122.296982	8,859	1982	1
1132	BLOEDEL HALL	3714		PL	NE	SEATTLE	47.651255	-122.307699	77,316	1971	2
1316	BOA EX ED CT	4275	E	WY	NE	SEATTLE	47.659522	-122.307727	65,566	1997	1
1326	BOTANY GREENHOUSE	3747	W	WY	NE	SEATTLE	47.652315	-122.309986	14,539	1948	2
1269	BOTANY GREENHS SHEDS	3747	W	WY	NE	SEATTLE	47.652596	-122.309971	600	1962	3
3951	BOTANY QUONSET	3745	W	WY	NE	SEATTLE	47.65517	-122.31234	300	1962	1
3997	BOTHELL BLDG UW1	18115		WY	NE	BOTHELL	47.758878	-122.190642	108,532	2000	1
4039	BOTHELL BLDG UW2	11136	NE	ST		BOTHELL	47.758688	-122.19135	54,320	2001	1
4017	BOTHELL LIB ANNEX	18215		WY	NE	BOTHELL	47.759682	-122.190958	14,428	2000	1
3998	BOTHELL LIBRARY	18225		WY	NE	BOTHELL	47.759771	-122.191394	53,966	2000	1
4054	BOTHELL LIBRARY 2	18325		WY	NE	BOTHELL	47.76024	-122.190873	37,606	2001	1
4016	BOTHELL PHYS PLANT	11125	NE	ST		BOTHELL	47.757915	-122.191524	11,000	2000	1
1059	BRYANT ANNEX	1117	NE	ST		SEATTLE	47.652094	-122.315784	321	1988	1
1028	BRYANTS BLDG	1117	NE	ST		SEATTLE	47.652341	-122.316634	86,782	1943	5
1278	BURKE MUSEUM	4331		WY	NE	SEATTLE	47.660632	-122.310855	68,916	1962	2
1187	CANOE HOUSE	3655		RD	NE	SEATTLE	47.647789	-122.300078	13,267	1918	1
1133	CENTRAL PLAZA GAR	4100		AVE	NE	SEATTLE	47.65621811	-122.3100161	416,390	1971	2
1129	CER + MET ARTS	4205		DR	NE	SEATTLE	47.660003	-122.292181	16,946	1969	2
4253	CHASE HOUSE	17936		AVE	NE	BOTHELL	47.757306	-122.190051	1,200	1920	1
1219	CHDD CLINIC	1961	NE	RD		SEATTLE	47.648218	-122.30857	70,345	1969	2
1354	CHDD SCHOOL	1981	NE	RD		SEATTLE	47.648148	-122.307517	45,598	1969	2
1220	CHDD SOUTH	3600		PL	NE	SEATTLE	47.648126	-122.308669	12,378	1969	2
1279	CHEM LIBRARY BLDG	3923		LN	NE	SEATTLE	47.653951	-122.310293	39,363	1957	3
1108	CHEMISTRY BLG	3790		LN	NE	SEATTLE	47.652893	-122.308322	130,227	1995	1
4060	CHERRY PARKES	1921		ST		TACOMA	47.244338	-122.437024	72,460	1890	1
1023	CHILD CARE CENTER	3904		RD	NE	SEATTLE	47.655031	-122.315344	3,681	1996	1
4357	CHILDRN CTR RADFORD	6311		AVE	NE	SEATTLE	47.67512	-122.25827	1,450	2002	1
1178	CLARK HALL	2103	NE	LN		SEATTLE	47.657625	-122.304865	30,568	1896	1
4598	COLLEGIANA	4311		AVE	NE	SEATTLE	47.660241	-122.315799	13,409	1929	2
1152	COMMODORE-DUCHESS	4009		AVE	NE	SEATTLE	47.65561	-122.312445	97,849	1927	1
1161	COMMUNICATIONS	4109	E	WY	NE	SEATTLE	47.656975	-122.3054	106,465	1951	2
1124	CONDON HALL	1100	NE	PKWY		SEATTLE	47.656621	-122.316084	132,533	1974	2
1166	CONIBEAR SHELLHSE	3826		RD	NE	SEATTLE	47.652902	-122.299754	48,088	1949	1
1052	CONSOL LAUNDRY	2901		AVE	S	SEATTLE	47.577409	-122.298365	81,762	1982	1
4204	CORP YARD CONT OFFIC	3974		RD	NE	SEATTLE	47.658952	-122.293286	84	1970	9
4586	COURT 17 APARTMENTS	1717		ST		TACOMA	47.24423	-122.43733	87,780	2006	1
1183	CUNNINGHAM HALL	3906	W	WY	NE	SEATTLE	47.657215	-122.311059	5,104	1909	3
1181	DENNY HALL	4216		WY	NE	SEATTLE	47.658423	-122.308888	89,745	1895	4
1265	DOUGAN BUILDING	1721	S	AVE		TACOMA	47.246228	-122.438169	47,359	1891	1

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1103	DOUGLAS RSCH CONSV	3501	NE	ST		SEATTLE	47.657711	-122.288971	12,894	1988	1
1140	EAGLESON HALL	1417	NE	ST		SEATTLE	47.657946	-122.312337	18,966	1922	4
4097	EAST RECEIVING STAT	3992		RD	NE	SEATTLE	47.65487431	-122.3039506	1,000	2002	1
1195	EDMUNDSON PAVILION	3870		BLVD	NE	SEATTLE	47.652081	-122.301972	206,453	1928	1
1008	ELECTRICAL ENG BLDG	3785	E	WY	NE	SEATTLE	47.65356	-122.306255	203,030	1998	1
1182	ENGINEERING ANNEX	3902	E	WY	NE	SEATTLE	47.653639	-122.304319	28,128	1909	4
1325	ENGR LIBRARY	3914	E	WY	NE	SEATTLE	47.654645	-122.3045	40,549	1969	3
1017	ENV SAFETY OFF BLD	3974		RD	NE	SEATTLE	47.658861	-122.293902	2,989	1992	1
1100	ENVIRON STOR BLDG	4204		PL	NE	SEATTLE	47.659633	-122.293123	4,454	1991	1
1292	ETHNIC CULT CTR	3931		AVE	NE	SEATTLE	47.655198	-122.314799	9,000	1971	3
1323	ETHNIC CULT CTR THTR	3940		AVE	NE	SEATTLE	47.655164	-122.314099	12,176	1941	3
1176	FAC SVCS ADMIN BLDG	4002	E	WY	NE	SEATTLE	47.655073	-122.304213	10,303	1909	3
1021	FISH RSCH ALASKA			RD		OSL	59.721287	-154.893703	4,977	1961	2
1104	FISH TEACH & RSCH	1140	NE	ST		SEATTLE	47.652551	-122.31557	34,788	1990	2
1357	FISHERY SCIENCES	1122	NE	ST		SEATTLE	47.65317	-122.316242	130,307	1999	1
1111	FLUKE HALL	4045		RD	NE	SEATTLE	47.655824	-122.303223	73,086	1990	1
1440	FRI HRB APARTMENT A	620		RD		FRIDAY	48.546736	-123.008648	4,860	1924	3
1441	FRI HRB APARTMENT B	620		RD		FRIDAY	48.546909	-123.008308	3,134	1924	3
1442	FRI HRB CARETAKR GAR	620		RD		FRIDAY	48.54678	-123.013312	1,445	1924	1
1443	FRI HRB CARETAKR RES	620		RD		FRIDAY	48.54682	-123.013102	1,571	1924	1
1444	FRI HRB COTTAGE A	620		RD		FRIDAY	48.547746	-123.011132	798	1924	1
1445	FRI HRB COTTAGE B	620		RD		FRIDAY	48.547724	-123.010846	798	1949	1
1446	FRI HRB COTTAGE D	620		RD		FRIDAY	48.547827	-123.010586	798	1924	1
1447	FRI HRB COTTAGE E	620		RD		FRIDAY	48.547613	-123.010084	798	1924	1
1448	FRI HRB COTTAGE F	620		RD		FRIDAY	48.54752	-123.00994	798	1924	1
1449	FRI HRB COTTAGE G	620		RD		FRIDAY	48.547356	-123.009907	798	1924	1
1450	FRI HRB COTTAGE I	620		RD		FRIDAY	48.547247	-123.009693	963	1924	1
1451	FRI HRB COTTAGE J	620		RD		FRIDAY	48.547216	-123.009961	798	1996	1
1452	FRI HRB COTTAGE K	620		RD		FRIDAY	48.547336	-123.010152	798	1924	1
1453	FRI HRB COTTAGE L	620		RD		FRIDAY	48.54735	-123.010351	798	1924	1
1454	FRI HRB COTTAGE M	620		RD		FRIDAY	48.547049	-123.010649	798	1924	1
1455	FRI HRB COTTAGE N	620		RD		FRIDAY	48.546876	-123.010363	798	1924	1
1495	FRI HRB DINING HALL	620		RD		FRIDAY	48.546827	-123.012006	5,920	1924	4
1456	FRI HRB DIR GAR	620		RD		FRIDAY	48.547763	-123.007372	634	1924	1
1457	FRI HRB DIR RES	620		RD		FRIDAY	48.547474	-123.007466	1,546	1924	1
3976	FRI HRB DIVE LOCKER	620		RD		FRIDAY	48.545303	-123.012213	670	1924	1
1458	FRI HRB DORMITORY A	620		RD		FRIDAY	48.547794	-123.012254	3,211	1924	5
1459	FRI HRB DORMITORY B	620		RD		FRIDAY	48.547675	-123.012665	3,156	1924	5
1460	FRI HRB DORMITORY C	620		RD		FRIDAY	48.547426	-123.012673	2,292	1924	2
1461	FRI HRB DORMITORY O	620		RD		FRIDAY	48.54718	-123.010869	990	1924	1
6183	FRI HRB DORMITORY P	620		RD		FRIDAY	48.547512	-123.011527	1,500	2009	1
6182	FRI HRB DORMITORY Q	620		RD		FRIDAY	48.547808	-123.011382	1,500	2009	1
4549	FRI HRB DUPLEX C	620		RD		FRIDAY	48.547937	-123.010757	1,279	2005	1
6179	FRI HRB DUPLEX R	620		RD		FRIDAY	48.547417	-123.011107	1,000	2002	1
6181	FRI HRB DUPLEX S	620		RD		FRIDAY	48.547366	-123.011409	1,000	2002	1
4548	FRI HRB DUPLEX T	620		RD		FRIDAY	48.547307	-123.011749	1,279	2005	1
1484	FRI HRB FERNALD LAB	620		RD		FRIDAY	48.545588	-123.013459	10,080	1924	5
3982	FRI HRB GEAR LOCKER	620		RD		FRIDAY	48.546544	-123.011382	1,025	1924	3
1494	FRI HRB GEN COMMONS	620		RD		FRIDAY	48.547741	-123.011927	2,020	1924	4
6088	FRI HRB GRAD RES	620		RD		FRIDAY	48.547478	-123.01179		2009	
4162	FRI HRB H&S SHED	620		RD		FRIDAY	48.5454	-123.0176	30	2003	3
1466	FRI HRB HUT 01	620		RD		FRIDAY	48.547572	-123.013049	116	1924	1

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1467	FRI HRB HUT 02	620		RD		FRIDAY	48.547574	-123.013295	116	1924	1
1468	FRI HRB HUT 03	620		RD		FRIDAY	48.547666	-123.012998	174	1924	1
1469	FRI HRB HUT 04	620		RD		FRIDAY	48.54765	-123.013175	174	1924	1
1470	FRI HRB HUT 05	620		RD		FRIDAY	48.547658	-123.013336	116	1924	1
1471	FRI HRB HUT 06	620		RD		FRIDAY	48.547633	-123.013461	116	1924	1
1472	FRI HRB HUT 07	620		RD		FRIDAY	48.547628	-123.013598	116	1924	1
1473	FRI HRB HUT 08	620		RD		FRIDAY	48.547594	-123.013727	116	1924	1
1474	FRI HRB HUT 09	620		RD		FRIDAY	48.54758	-123.013878	116	1924	1
1475	FRI HRB HUT 10	620		RD		FRIDAY	48.547553	-123.014004	116	1924	1
1476	FRI HRB HUT 11	620		RD		FRIDAY	48.547436	-123.013921	116	1924	1
1477	FRI HRB HUT 12	620		RD		FRIDAY	48.547442	-123.013706	116	1924	1
1478	FRI HRB HUT 13	620		RD		FRIDAY	48.54744	-123.013562	116	1924	1
1479	FRI HRB HUT 14	620		RD		FRIDAY	48.547423	-123.013315	116	1924	1
1480	FRI HRB HUT 15	620		RD		FRIDAY	48.547426	-123.013218	116	1924	1
1485	FRI HRB LAB 01	620		RD		FRIDAY	48.545994	-123.012995	1,800	1924	1
1486	FRI HRB LAB 02	620		RD		FRIDAY	48.546071	-123.012514	1,620	1924	1
1487	FRI HRB LAB 03	620		RD		FRIDAY	48.54621	-123.012277	1,370	1924	1
1488	FRI HRB LAB 04	620		RD		FRIDAY	48.546058	-123.012031	2,069	1924	4
1489	FRI HRB LAB 05	620		RD		FRIDAY	48.546143	-123.011504	2,089	1924	4
1490	FRI HRB LAB 06	620		RD		FRIDAY	48.546425	-123.010111	2,210	1924	4
1491	FRI HRB LAB 07	620		RD		FRIDAY	48.5466	-123.009691	1,964	1924	1
1492	FRI HRB LAB 08	620		RD		FRIDAY	48.546255	-123.011727	3,550	1924	2
1493	FRI HRB LAB 09	620		RD		FRIDAY	48.546145	-123.01312	4,353	1924	2
4161	FRI HRB LAB 10	620		RD		FRIDAY	48.546385	-123.012624	1,000	2003	2
1496	FRI HRB LAUNDRY	620		RD		FRIDAY	48.547043	-123.011734	471	1924	1
1497	FRI HRB LECTURE HALL	620		RD		FRIDAY	48.54687	-123.011124	1,366	1924	1
1483	FRI HRB MOBILE HM H	620		RD		FRIDAY	48.547381	-123.00961	728	1924	1
3978	FRI HRB PLANT SERVCS	620		RD		FRIDAY	48.546596	-123.014625	4,200	1924	3
4084	FRI HRB STOCK ROOM	620		RD		FRIDAY	48.545844	-123.013587	3,148	1924	4
3979	FRI HRB STORAGE 1	620		RD		FRIDAY	48.54675	-123.014988	1,134	1924	5
3980	FRI HRB STORAGE 2	620		RD		FRIDAY	48.546822	-123.014738	1,234	1924	5
3981	FRI HRB STORAGE 3	620		RD		FRIDAY	48.546506	-123.014979	1,200	1924	5
3983	GARAGE/STORAGE	620		RD		FRIDAY	48.546551	-123.013342	214	1924	2
3924	GATE 1 CENT PLZA GAR	4100		AVE	NE	SEATTLE	47.65683153	-122.311603	127	1969	1
3925	GATE 2 MEMORIAL WAY	4309		WY	NE	SEATTLE	47.660236	-122.309638	118	1969	1
3926	GATE 3 PEND OREILLE	4329		RD	NE	SEATTLE	47.658401	-122.302604	39	1969	1
3927	GATE 4 TRIANGLE PKNG	2121	NE	PL		SEATTLE	47.64981102	-122.3053951	57	1969	1
3928	GATE 5 NE 40TH	1533	NE	LN		SEATTLE	47.655311	-122.311603	51	1969	1
3929	GATE 6 15TH NE	1540	NE	RD		SEATTLE	47.65071	-122.311617	62	1969	1
3930	GATE 7 COLUMBIA RD	1982	NE	RD		SEATTLE	47.648522	-122.306595	115	1969	1
3931	GATE 8 STADIUM PKNG	3790		BLVD	NE	SEATTLE	47.650283	-122.303853	62	1969	1
4559	GATE E-1 NORTH	4239		RD	NE	SEATTLE	47.653704	-122.303874	39	1969	2
4560	GATE E-1 SOUTH	4239		RD	NE	SEATTLE	47.653704	-122.303874	39	1969	2
1164	GERBERDING HALL	1704	NE	LN		SEATTLE	47.65534	-122.309429	82,405	1949	3
1051	GILMAN BUILDING	4725		AVE	NE	SEATTLE	47.664562	-122.295954	8,271	1964	4
1139	GOLF DRIVING RANGE	4209		PL	NE	SEATTLE	47.65864	-122.29707	5,094	1965	2
1135	GOULD HALL	3949		AVE	NE	SEATTLE	47.654943	-122.31271	115,038	1972	2
1201	GOWEN HALL	4060		LN	NE	SEATTLE	47.656372	-122.307748	68,925	1932	4
1275	GRAVES ANNEX BLDG	3885		RD	NE	SEATTLE	47.652327	-122.300958	32,098	1988	2
1149	GRAVES HALL	3910		BLVD	NE	SEATTLE	47.65305	-122.302276	29,313	1963	2
1344	GUGGENHEIM ANNEX	3950		LN	NE	SEATTLE	47.654593	-122.306423	3,945	1988	2
1198	GUGGENHEIM HALL	3940		LN	NE	SEATTLE	47.65427	-122.306322	56,207	1929	1

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1202	GUTHRIE ANNEX 1	3920		AVE	NE	SEATTLE	47.654057	-122.311785	6,301	1918	3
1280	GUTHRIE ANNEX 2	3940		AVE	NE	SEATTLE	47.654404	-122.311718	7,672	1918	3
1169	GUTHRIE ANNEX 3	3960		AVE	NE	SEATTLE	47.654897	-122.311792	5,337	1927	3
1319	GUTHRIE ANNEX 4	1535	NE	LN		SEATTLE	47.654893	-122.311039	3,426	1947	3
1134	GUTHRIE HALL	3921	W	WY	NE	SEATTLE	47.653967	-122.310901	74,241	1973	3
1147	HAGGETT HALL	4290		CT	NE	SEATTLE	47.659286	-122.303476	206,114	1963	1
1296	HAGGETT PKING GAR	4290		CT	NE	SEATTLE	47.65903087	-122.30322	52,522	1963	1
1203	HALL HEALTH CTR	4060	E	WY	NE	SEATTLE	47.65609	-122.303815	57,794	1936	2
1204	HANSEE HALL	2011	NE	ST		SEATTLE	47.660776	-122.306512	111,364	1936	1
1186	HARRIS HYDRAULICS	1510	NE	RD		SEATTLE	47.649984	-122.311461	22,933	1920	4
1154	HENDERSON HALL	1013	NE	ST		SEATTLE	47.65517	-122.316929	106,340	1929	4
1194	HENRY ART GALLERY	4000		AVE	NE	SEATTLE	47.656529	-122.311726	12,539	1927	1
1053	HILLCREST	808		AVE	E	SEATTLE	47.626252	-122.285918	14,853	1906	3
1324	HITCHCOCK HALL	1521	NE			SEATTLE	47.651891	-122.311564	116,416	1982	2
1313	HRB RSCH & TRAIN BLD	300		AVE		SEATTLE	47.603872	-122.322707	179,658	1999	1
1209	HUGHES PENTHOUSE	1803	NE	ST		SEATTLE	47.660711	-122.308105	15,354	1940	1
1302	HUTCHINSON HALL	4276	E	WY	NE	SEATTLE	47.659591	-122.306627	55,164	1927	4
1137	IMA	3924		BLVD	NE	SEATTLE	47.653223	-122.300439	289,347	1968	2
3950	INDOOR PRACTICE FAC	3870		BLVD	NE	SEATTLE	47.651499	-122.299324	95,000	2001	1
1102	ISAACSON HALL	3501	NE	ST		SEATTLE	47.657889	-122.289906	2,983	1986	2
1349	JACOBSEN OBSERVATORY	4324		WY	NE	SEATTLE	47.660341	-122.309287	2,147	1895	3
1119	JOHN M WALLACE HALL	3737		AVE	NE	SEATTLE	47.653003	-122.314905	30,468	1976	2
1200	JOHNSON HALL	1707	NE	LN		SEATTLE	47.654603	-122.308889	121,573	1930	1
1276	KANE HALL	4069		LN	NE	SEATTLE	47.656378	-122.309322	153,375	1971	2
1284	KCTS TRANSMITTER	1729	E	ST		SEATTLE	47.61611	-122.30778	2,492	1965	1
4036	KEYSTONE BLDG	1754		ST		TACOMA	47.24529	-122.437812	10,946	2002	1
1130	KINCAID HALL	3751	W	WY	NE	SEATTLE	47.652655	-122.310597	84,459	1971	3
1205	KIRSTEN WIND TUNNEL	3915	E	WY	NE	SEATTLE	47.65442	-122.305832	23,963	1936	2
6018	LABORERS HALL	1742		ST		TACOMA	47.245224	-122.440145	5,380	1960	
4499	LANDER HALL	1201	NE	PKWY		SEATTLE	47.655755	-122.315907	166,991	1953	1
1162	LANDER-TERRY PKING	1201	NE	PKWY		SEATTLE	47.65553432	-122.3160483	36,584	1953	1
1305	LAUREL VILLAGE C	4200		DR	NE	SEATTLE	47.660128	-122.291452	7,528	1982	1
1229	LAUREL VILLAGE M	4200		DR	NE	SEATTLE	47.660773	-122.291949	6,202	1982	1
1230	LAUREL VILLAGE N	4200		DR	NE	SEATTLE	47.660766	-122.291499	6,690	1982	1
1231	LAUREL VILLAGE P	4200		DR	NE	SEATTLE	47.660766	-122.290927	9,040	1982	1
1232	LAUREL VILLAGE Q	4200		DR	NE	SEATTLE	47.66052	-122.290445	5,610	1982	1
1233	LAUREL VILLAGE R	4200		DR	NE	SEATTLE	47.660384	-122.291608	6,186	1982	1
1234	LAUREL VILLAGE S	4200		DR	NE	SEATTLE	47.660359	-122.291119	11,652	1982	1
1235	LAUREL VILLAGE T	4200		DR	NE	SEATTLE	47.660258	-122.290515	7,480	1982	1
1236	LAUREL VILLAGE U	4200		DR	NE	SEATTLE	47.660013	-122.290466	4,460	1982	1
1237	LAUREL VILLAGE V	4200		DR	NE	SEATTLE	47.659787	-122.29048	5,610	1982	1
1238	LAUREL VILLAGE W	4200		DR	NE	SEATTLE	47.659434	-122.29057	7,480	1982	1
1239	LAUREL VILLAGE X	4200		DR	NE	SEATTLE	47.659432	-122.290972	3,740	1982	1
1240	LAUREL VILLAGE Y	4200		DR	NE	SEATTLE	47.659875	-122.291122	6,858	1982	1
1177	LEWIS HALL	4182	E	WY	NE	SEATTLE	47.658855	-122.305343	23,220	1896	4
1002	LIBRARY BUILDING	1900		ST		TACOMA	47.244513	-122.437935	38,768	1902	1
1346	LOEW HALL	3920	E	WY	NE	SEATTLE	47.654372	-122.304184	58,747	1969	2
4591	LONGSHOREMENS HALL	1710		ST		TACOMA	47.246351	-122.44041	10,020	1950	4
6019	MACDONALD & SMITH	1932		AVE		TACOMA	47.243897	-122.436924	9,000	1890	4
1156	MACKENZIE HALL	4215	E	WY	NE	SEATTLE	47.658825	-122.30717	43,099	1960	3
1221	MAG H.S.C./A	1705	NE	ST		SEATTLE	47.650158	-122.308168	53,201	1949	4
1222	MAG H.S.C./AA	1705	NE	ST		SEATTLE	47.649701	-122.30844	58,820	1952	3

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1016	MAG H.S.C./ANX 4	1705	NE	ST		SEATTLE	47.651838	-122.310734	6,846	1992	5
1304	MAG H.S.C./B	1705	NE	ST		SEATTLE	47.649748	-122.308866	117,619	1949	4
1223	MAG H.S.C./BB	1705	NE	ST		SEATTLE	47.649665	-122.30777	248,765	1952	4
1224	MAG H.S.C./C	1705	NE	ST		SEATTLE	47.65018	-122.308659	48,288	1949	3
1328	MAG H.S.C./D	1705	NE	ST		SEATTLE	47.650145	-122.309264	183,975	1950	2
1225	MAG H.S.C./E	1705	NE	ST		SEATTLE	47.650571	-122.309255	56,540	1950	4
1226	MAG H.S.C./F	1705	NE	ST		SEATTLE	47.6505	-122.309834	122,767	1950	4
1227	MAG H.S.C./G	1705	NE	ST		SEATTLE	47.650822	-122.30997	64,594	1950	4
1228	MAG H.S.C./H	1705	NE	ST		SEATTLE	47.650755	-122.310499	211,284	1950	1
1300	MAG H.S.C./I	1705	NE	ST		SEATTLE	47.650757	-122.311105	151,026	1964	2
1174	MAG H.S.C./J	1705	NE	ST		SEATTLE	47.651398	-122.31122	170,719	1965	4
1173	MAG H.S.C./K	1750	NE	ST		SEATTLE	47.651337	-122.311921	227,640	1995	1
1175	MAG H.S.C./RR	1705	NE	ST		SEATTLE	47.649403	-122.3083	140,512	1960	4
1168	MAG H.S.C./T	1705	NE	ST		SEATTLE	47.650896	-122.309108	493,496	1973	2
1061	MANASTASH RIDGE OBS					ELLENSBURG	46.950958	-120.7248	2,632	1971	1
1138	MARINE SCIENCES	1501	NE	ST		SEATTLE	47.649885	-122.312928	59,570	1966	3
1122	MARINE STUDIES	3707		AVE	NE	SEATTLE	47.652478	-122.31494	31,290	1983	2
1197	MARY GATES HALL	1851	NE	LN		SEATTLE	47.654829	-122.307751	183,435	1928	1
4020	MATTRESS FACTORY	1953	S	ST		TACOMA	47.243385	-122.437436	61,300	1908	1
1158	MCCARTY HALL	4318		CT	NE	SEATTLE	47.660386	-122.304247	170,241	1960	2
1143	MCMAHON HALL	4200		CT	NE	SEATTLE	47.658188	-122.303669	288,352	1965	1
1146	MCMAHON PKING GAR	4200		CT	NE	SEATTLE	47.65819693	-122.3036903	59,748	1965	1
1126	MEANY HALL	4040		LN	NE	SEATTLE	47.655549	-122.31054	124,491	1974	2
1347	MECH ENGR BLDG	3900	E	WY	NE	SEATTLE	47.653693	-122.304747	97,768	1959	4
1142	MERCER HALL	1009	NE	ST		SEATTLE	47.654733	-122.317156	89,392	1970	2
4436	MERRILL HALL	3501	NE	ST		SEATTLE	47.657906	-122.290462	16,411	2004	2
1192	MILLER HALL	2012	NE	LN		SEATTLE	47.657207	-122.306328	72,655	1922	4
1171	MORE HALL	3760	E	WY	NE	SEATTLE	47.652489	-122.304856	81,173	1946	4
1145	MORE HALL ANNEX	3785		RD	NE	SEATTLE	47.652765	-122.304438	6,677	1961	2
1109	MUELLER HALL	2100	NE	RD		SEATTLE	47.652232	-122.305364	16,687	1987	1
1299	MUSIC BLDG	2034	NE	LN		SEATTLE	47.657667	-122.305784	73,482	1950	3
1167	N PHYS CYCLTRON	4311		RD	NE	SEATTLE	47.659664	-122.303049	13,399	1949	2
4064	NORDHEIM COURT 1	5000		AVE	NE	SEATTLE	47.665163	-122.300477	31,250	2003	2
4061	NORDHEIM COURT 2	5000		AVE	NE	SEATTLE	47.665532	-122.300021	31,250	2003	2
4067	NORDHEIM COURT 3	5000		AVE	NE	SEATTLE	47.665289	-122.299916	31,250	2003	2
4065	NORDHEIM COURT 4	5000		AVE	NE	SEATTLE	47.665258	-122.299693	31,250	2003	2
4066	NORDHEIM COURT 5	5000		AVE	NE	SEATTLE	47.66518	-122.299424	31,250	2003	2
4062	NORDHEIM COURT 6	5000		AVE	NE	SEATTLE	47.66553	-122.299025	31,250	2003	2
1535	NORDHEIM COURT 7	5000		AVE	NE	SEATTLE	47.665173	-122.299184	31,250	2003	1
4068	NORDHEIM COURT 8	5000		AVE	NE	SEATTLE	47.665165	-122.298809	31,250	2003	2
1105	NORDSTROM TENNIS	3833		RD	NE	SEATTLE	47.651859	-122.300039	51,439	1990	1
4157	NORTH PKG GARAGE	18500		WY	NE	BOTHELL	47.761776	-122.191498	35,900	2000	1
1116	NORTHLAKE BLDG	814	NE	PL		SEATTLE	47.655032	-122.319025	22,077	1928	3
1348	NPL CYCLTRON SHOP	4251		RD	NE	SEATTLE	47.659107	-122.302907	6,914	1948	2
1291	NW HORT SOC HALL	3501	NE	ST		SEATTLE	47.658064	-122.290154	3,932	1985	3
1018	OAKTREE BUILDING	1126	N	ST		SEATTLE	47.700972	-122.342944	30,347	1969	3
1037	OCEAN RSCH BLDG 2	3718		AVE	NE	SEATTLE	47.65226	-122.31421	3,999	1996	1
1314	OCEAN SCIENCES BLDG	1492	NE	ST		SEATTLE	47.651437	-122.312498	111,276	1999	1
1141	OCEAN TEACH BLDG	1503	NE	ST		SEATTLE	47.650259	-122.312302	51,552	1969	3
1352	OCEANOGRAPHY BLDG	1606	NE	RD		SEATTLE	47.64912	-122.310612	25,066	1932	4
1049	OCEANOGRAPHY DOCK	1605	NE	RD		SEATTLE	47.648813	-122.311021	1,330	1931	3
1189	OCEANOGRAPHY STOR	1700	NE	LN		SEATTLE	47.648679	-122.310449	2,446	1925	3

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1125	ODEGAARD LIBRARY	4060		LN	NE	SEATTLE	47.656208	-122.310408	165,973	1972	2
1575	ONR ADMIN BUILDING	1455 S		AVE		FORKS	47.9435	-124.38533	15,201	1995	4
4363	ONR ANTENNA BLDG	1455 S		AVE		FORKS	47.9435	-124.38533	100	1995	1
1579	ONR APARTMENT BLDG	1455 S		AVE		FORKS	47.9435	-124.38533	4,342	1995	4
1577	ONR DORM BUILDING	1455 S		AVE		FORKS	47.9435	-124.38533	2,952	1995	4
1578	ONR PUMP & LAUNDRY	1455 S		AVE		FORKS	47.9435	-124.38533	596	1995	1
1576	ONR SOCIAL HALL	1455 S		AVE		FORKS	47.9435	-124.38533	1,894	1995	1
1136	PADELFOORD HALL	4110 E		WY	NE	SEATTLE	47.656998	-122.304243	138,555	1967	2
1128	PADELFOORD PKING	4112		RD	NE	SEATTLE	47.65706096	-122.3032334	113,854	1967	1
1264	PAPER&STATIONARY	1900		ST		TACOMA	47.24423	-122.43733	40,000	1903	5
1179	PARRINGTON HALL	4105		WY	NE	SEATTLE	47.65744	-122.31032	53,963	1902	3
1196	PAVILION POOL	2602 NE		LN	S	SEATTLE	47.65186682	-122.3011175	27,045	1939	2
1694	PF ADMINISTRATION	9010		ST	E	EATONVILLE	46.843352	-122.312537	2,948	1932	3
1688	PF APARTMENTS 1 & 2	9010		ST	E	EATONVILLE	46.843048	-122.314216	800	1932	1
1690	PF APARTMENTS 3 & 4	9010		ST	E	EATONVILLE	46.84298	-122.314407	770	1932	1
1692	PF APARTMENTS 5 & 6	9010		ST	E	EATONVILLE	46.842897	-122.314575	770	1932	1
1682	PF CABINS 1&2	9010		ST	E	EATONVILLE	46.842803	-122.314741	804	1932	1
1684	PF CABINS 3&4	9010		ST	E	EATONVILLE	46.842687	-122.314474	804	1932	1
1685	PF CABINS 5&6	9010		ST	E	EATONVILLE	46.842762	-122.314312	804	1932	1
1686	PF CABINS 7&8	9010		ST	E	EATONVILLE	46.84284	-122.314133	804	1932	1
1687	PF CABINS 9&10	9010		ST	E	EATONVILLE	46.842908	-122.313976	804	1932	1
1718	PF CLASSROOM BLG	9010		ST	E	EATONVILLE	46.84251	-122.313968	4,690	1932	2
1699	PF CORPORATION YARD	9010		ST	E	EATONVILLE	46.841979	-122.311713	2,147	1970	3
1698	PF CUSTODIAL SVCS	9010		ST	E	EATONVILLE	46.84287	-122.313629	433	1990	1
1700	PF DINING HALL	9010		ST	E	EATONVILLE	46.842602	-122.314895	5,666	1932	4
6167	PF DOG KENNEL	9010		ST	E	EATONVILLE	46.843521	-122.309498	2,650	2008	1
1701	PF DORMITORY	9010		ST	E	EATONVILLE	46.84213	-122.314395	2,956	1980	3
1697	PF EQUIPMENT STORAGE	9010		ST	E	EATONVILLE	46.84444	-122.31718	2,114	1932	2
6169	PF FILTRATION SHED	9010		ST	E	EATONVILLE	46.842782	-122.312413	622	1980	1
1702	PF FRONTIER VILLAGE	9010		ST	E	EATONVILLE	46.840177	-122.312648	413	1932	1
1703	PF GATE HOUSE	9010		ST	E	EATONVILLE	46.843178	-122.317636	334	1928	1
1704	PF GREENHOUSE 2	9010		ST	E	EATONVILLE	46.844258	-122.311897	1,724	1980	1
1711	PF KITCHEN&GAME ROOM	9010		ST	E	EATONVILLE	46.842404	-122.314145	840	1932	1
1712	PF LAWN&GROUNDS BLG	9010		ST	E	EATONVILLE	46.842878	-122.312697	453	1932	2
1696	PF MANAGERS GARAGE	9010		ST	E	EATONVILLE	46.84304	-122.311445	1,062	1932	1
1714	PF MCBRIDE HALL	9010		ST	E	EATONVILLE	46.842122	-122.313735	4,409	1980	2
1713	PF MECHANICAL BLG	9010		ST	E	EATONVILLE	46.84574	-122.315285	450	2004	1
1715	PF PACK HALL	9010		ST	E	EATONVILLE	46.842459	-122.314573	1,480	1932	1
6168	PF PAINT SHED	9010		ST	E	EATONVILLE	46.842819	-122.312511	665	1970	1
1717	PF PAVILION	9010		ST	E	EATONVILLE	46.842249	-122.315237	1,548	1970	1
6177	PF PUMP HOUSE	9010		ST	E	EATONVILLE	46.842189	-122.310503	577	1970	1
6170	PF RES 6 GARAGE	9010		ST	E	EATONVILLE	46.844622	-122.309981	465	1932	1
1705	PF RESIDENCE 1	9010		ST	E	EATONVILLE	46.843117	-122.313726	960	1932	1
1706	PF RESIDENCE 2	9010		ST	E	EATONVILLE	46.843362	-122.313345	960	1932	1
1707	PF RESIDENCE 3	9010		ST	E	EATONVILLE	46.843524	-122.313098	812	1932	1
1709	PF RESIDENCE 5	9010		ST	E	EATONVILLE	46.84388	-122.310601	746	1932	1
1710	PF RESIDENCE 6	9010		ST	E	EATONVILLE	46.844531	-122.310062	895	1932	1
1683	PF RESIDENCE GARAGE	9010		ST	E	EATONVILLE	46.843166	-122.313414	1,052	1932	1
1708	PF RESIDENT MNGR	9010		ST	E	EATONVILLE	46.843291	-122.311487	2,916	1932	2
1695	PF SHOP BUILDING	9010		ST	E	EATONVILLE	46.843093	-122.312428	4,958	1932	3
1719	PF SHOWER & RESTROOM	9010		ST	E	EATONVILLE	46.842705	-122.313914	1,785	1980	1
6178	PF SPRING PUMP HSE	9010		ST	E	EATONVILLE	46.842676	-122.31231	125	1970	1

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Agency Assigned Number	Agency Assigned Common Name	Situs Address Number		Address Suffix		City	GPS Latitude	GPS Longitude	Square Feet (GSF)	Year Constructed	OFM Condition #
6176	PF STORAGE CABIN	9010		ST	E	EATONVILLE	46.839861	-122.313346	869	1932	1
1716	PF STOREROOM	9010		ST	E	EATONVILLE	46.843446	-122.31223	720	1960	1
1720	PF WAREHOUSE BLG	9010		ST	E	EATONVILLE	46.844309	-122.311566	7,637	1932	3
1721	PF WATER TANK	9010		ST	E	EATONVILLE	46.842249	-122.310589	616	1970	1
1306	PHYSICS/ASTRON ADTRM	3900		AVE	NE	SEATTLE	47.652956	-122.310979	59,181	1994	1
1242	PHYSICS/ASTRON BAR	3900		AVE	NE	SEATTLE	47.653623	-122.311302	175,930	1994	1
1243	PHYSICS/ASTRON TOWER	3900		AVE	NE	SEATTLE	47.653352	-122.311778	44,010	1994	1
4059	PINKERTON BUILDING	1706	S	ST		TACOMA	47.246632	-122.43888	12,600	1889	2
1207	PLANT LAB	3735	W	WY	NE	SEATTLE	47.652076	-122.309529	6,234	1939	1
1036	PLANT LAB ANNEX 1	3731		WY	NE	SEATTLE	47.652019	-122.309288	430	1963	1
1050	PLANT LAB ANNEX 2	3733		WY	NE	SEATTLE	47.651784	-122.309263	309	1985	1
3952	PLANT LAB SHED	3729		WY	NE	SEATTLE	47.65517	-122.31234	450	1963	1
4038	PLANT OPS ANX 1	3922		RD	NE	SEATTLE	47.65484171	-122.3035224	100	1947	3
1038	PLANT OPS ANX 2	3978		RD	NE	SEATTLE	47.654482	-122.303245	546	1947	1
1039	PLANT OPS ANX 3	3980		RD	NE	SEATTLE	47.654667	-122.303231	1,745	1956	3
1184	PLANT OPS ANX 4	3984		RD	NE	SEATTLE	47.65473	-122.303565	8,525	1909	3
1040	PLANT OPS ANX 5	3981		RD	NE	SEATTLE	47.654919	-122.303229	485	1985	5
1026	PLANT OPS ANX 6	3982		RD	NE	SEATTLE	47.654435	-122.303355	4,199	1990	1
1046	PLANT OPS ANX 7	3781		RD	NE	SEATTLE	47.652744	-122.303974	3,999	1996	2
1199	PLANT OPS BLDG	3920		RD	NE	SEATTLE	47.654277	-122.303543	9,131	1929	3
1148	PLANT SVCS BLDG	4515		AVE	NE	SEATTLE	47.662061	-122.301557	144,198	1963	2
1159	PLAYHOUSE THEATER	4045		WAY	NE	SEATTLE	47.656642	-122.313582	10,137	1931	1
1163	PORTAGE BAY BLDG	1715	NE	RD		SEATTLE	47.648745	-122.309504	99,870	1951	4
1273	PORTAGE BAY PARKING FACILITY	3740		AVE	NE	SEATTLE	47.653056	-122.313934	346,532	1996	1
1350	POWER PLANT	3900		RD	NE	SEATTLE	47.653877	-122.303424	174,767	1909	2
1106	PUBLICATION SVCS	3900		AVE	NE	SEATTLE	47.655291	-122.320391	60,003	1990	1
3984	PUMP HOUSE	620		RD		FRIDAY	48.546238	-123.00774	200	1924	3
1112	PURCH+ACCNT BLDG	3917		WAY	NE	SEATTLE	47.654402	-122.313643	39,576	1959	3
1301	RAITT HALL	1901	NE	LN		SEATTLE	47.657919	-122.307252	48,148	1916	4
1047	ROBERTS ANNEX	3761		RD	NE	SEATTLE	47.652143	-122.304298	1,680	1969	1
1191	ROBERTS HALL	2110	NE	RD		SEATTLE	47.652035	-122.305068	32,471	1921	2
4585	RUSSEL T JOY BLDG	1722		AVE	NE	TACOMA	47.246287	-122.437401	46,328	1892	5
1114	RUSSIAN HOUSE	2104	NE	ST		SEATTLE	47.661441	-122.305186	9,513	1920	1
6048	SAND POINT BLDG 5B	7543		AVE	NE	SEATTLE	47.684269	-122.262299	34,443	1936	
3937	SAND POINT BLG 192	7424		WAY	NE	SEATTLE	47.68292	-122.263153	4,400	1943	1
3959	SAND POINT BLG 193	7400		WAY	NE	SEATTLE	47.682792	-122.262944	976	1942	1
3936	SAND POINT BLG 29	6200	NE	ST		SEATTLE	47.682564	-122.263023	42,390	1999	1
1374	SAND POINT BLG 5	7501		AVE	NE	SEATTLE	47.683282	-122.262421	394,329	1999	1
3934	SAND POINT BLG 9	7101		AVE	NE	SEATTLE	47.6873	-122.25873	223,516	1999	1
1327	SAVERY HALL	4100		LN	NE	SEATTLE	47.657128	-122.308357	102,105	1917	1
1127	SCHMITZ HALL	1410	NE	PKWY		SEATTLE	47.656573	-122.312665	99,691	1970	2
1045	SHELLHOUSE ANNEX	3822		RD	NE	SEATTLE	47.652542	-122.299265	3,324	1994	1
1332	SIEG HALL	3960		LN	NE	SEATTLE	47.654889	-122.306479	57,180	1960	4
1208	SMITH HALL	1911	NE	LN		SEATTLE	47.65666	-122.307147	92,757	1939	4
1263	SNOQUALMIE BUILDIN	1900		ST		TACOMA	47.24423	-122.43733	1,600	1997	1
1121	SOC WK/SP HRNG SCI	4101		AVE	NE	SEATTLE	47.657459	-122.312416	99,566	1980	2
1308	SOUTH CAMPUS CENTER	1601	NE	RD		SEATTLE	47.649322	-122.310843	69,852	1975	3
1295	SOUTH CAMPUS PKING	1651	NE	RD		SEATTLE	47.64979679	-122.310181	270,797	1967	1
4158	SOUTH PKG GARAGE	17945		WY	NE	BOTHELL	47.757521	-122.191054	53,300	2000	1
1188	STADIUM	3800		BLVD	NE	SEATTLE	47.649526	-122.301947	137,591	1956	1
1570	STADIUM CONCESSION 2	3800		BLVD	NE	SEATTLE	47.650035	-122.303548	3,330	1970	3
1571	STADIUM CONCESSION 3	3800		BLVD	NE	SEATTLE	47.650335	-122.303558	1,736	1970	3

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Agency Assigned Number	Agency Assigned Common Name	Situs Address Number		Address Suffix		City	GPS Latitude	GPS Longitude	Square Feet (GSF)	Year Constructed	OFM Condition #
1572	STADIUM CONCESSION 4	3800		BLVD	NE	SEATTLE	47.651104	-122.303168	1,747	1970	3
1573	STADIUM CONCESSION 6	3800		BLVD	NE	SEATTLE	47.651364	-122.30232	1,747	1970	3
1574	STADIUM CONCESSION 9	3800		BLVD	NE	SEATTLE	47.651309	-122.301689	868	1970	1
1155	STAFF HR BUILDING	1320	NE	PKWY		SEATTLE	47.656433	-122.313677	10,831	1948	2
1115	STAFF SVCS BLDG	3903		AVE	NE	SEATTLE	47.654679	-122.31476	12,352	1955	2
1244	STEVENS COURT A	3801		AVE	NE	SEATTLE	47.654265	-122.315429	18,498	1983	1
1245	STEVENS COURT B	3801		AVE	NE	SEATTLE	47.654132	-122.31493	22,449	1983	1
4558	STEVENS COURT BLCKHS	3801		AVE	NE	SEATTLE	47.65402	-122.31563	100	1983	1
1246	STEVENS COURT C	3801		AVE	NE	SEATTLE	47.65383	-122.315102	30,486	1983	1
1247	STEVENS COURT D	3801		AVE	NE	SEATTLE	47.653864	-122.315947	14,009	1983	1
1307	STEVENS COURT F	3801		AVE	NE	SEATTLE	47.65428582	-122.3161637	571	1983	1
1248	STEVENS COURT H	3801		AVE	NE	SEATTLE	47.654022	-122.315622	7,671	1983	1
1249	STEVENS COURT J	3801		AVE	NE	SEATTLE	47.653824	-122.316462	19,876	1983	1
1250	STEVENS COURT K	3801		AVE	NE	SEATTLE	47.654203	-122.316629	24,531	1983	1
1251	STEVENS COURT L	3801		AVE	NE	SEATTLE	47.654497	-122.316197	48,972	1983	1
1329	STEVENS COURT M	3801		AVE	NE	SEATTLE	47.654163	-122.316073	30,952	1983	1
1118	STEVENS COURT PKNG	3801		AVE	NE	SEATTLE	47.65406903	-122.3161245	80,647	1983	1
4592	STROM BUILDING	1727	S	AVE		TACOMA	47.245807	-122.441022	3,600	1959	5
1153	STUDENT UNION	4001	E	WY	NE	SEATTLE	47.655318	-122.305169	259,938	1949	4
1193	SUZZALLO LIBRARY	1840	NE	LN		SEATTLE	47.655762	-122.308118	317,942	1926	2
1113	SW MAINTENANCE BLDG	3902		RD	NE	SEATTLE	47.654754	-122.31525	7,464	1955	3
4045	TACOMA SCIENCE BLDG	1739	S	AVE		TACOMA	47.245428	-122.438407	57,361	2002	1
4440	TERRY HALL	1101	NE	PKWY		SEATTLE	47.655755	-122.315907	207,968	1953	2
1356	THOMSON HALL	2023	NE	LN		SEATTLE	47.656555	-122.305822	62,687	1948	4
6109	TIOGA ANNEX	1905	S	AVE		TACOMA	47.245003	-122.43846			
3964	TRANS SERV ANNEX 1	4659		AVE	NE	SEATTLE	47.6628516	-122.3011554	320	1980	1
1101	TRANSPORTATION SVC	4549		AVE	NE	SEATTLE	47.662867	-122.301389	5,459	1979	3
1110	TRIANGLE PK GARAGE	1919	NE	PL		SEATTLE	47.65010333	-122.3052211	169,650	1986	1
4159	TRULY HOUSE	18140		AVE	NE	BOTHELL	47.759563	-122.193032	2,500	1887	1
1253	U W MED CTR/CC	1959	NE	ST		SEATTLE	47.649411	-122.307336	44,302	1959	1
1254	U W MED CTR/EA	1959	NE	ST		SEATTLE	47.648593	-122.306765	159,235	1987	1
1255	U W MED CTR/EB	1959	NE	ST		SEATTLE	47.649067	-122.306078	66,173	1987	1
1256	U W MED CTR/EC	1959	NE	ST		SEATTLE	47.648943	-122.306355	35,754	1987	1
1241	U W MED CTR/EE	1959	NE	ST		SEATTLE	47.649283	-122.307024	80,408	1959	1
1257	U W MED CTR/NE	1959	NE	ST		SEATTLE	47.649253	-122.306322	40,442	1959	1
1258	U W MED CTR/NN	1959	NE	ST		SEATTLE	47.649616	-122.307056	122,217	1959	1
1259	U W MED CTR/NW	1959	NE	ST		SEATTLE	47.649895	-122.308155	88,465	1959	1
1260	U W MED CTR/SE	1959	NE	ST		SEATTLE	47.648979	-122.307528	52,439	1959	1
3958	U W MED CTR/SP	1959	NE	ST		SEATTLE	47.648561	-122.30521	160,000	2003	1
1261	U W MED CTR/SS	1959	NE	ST		SEATTLE	47.649247	-122.307768	73,825	1959	1
1262	U W MED CTR/SW	1959	NE	ST		SEATTLE	47.649427	-122.307879	65,415	1959	1
1027	UNIV FAC ANNEX 1	3940		RD	NE	SEATTLE	47.654725	-122.304021	3,482	1990	2
1331	UNIV FACIL BLDG	3938		RD	NE	SEATTLE	47.655066	-122.303872	6,340	1982	2
4250	UNV. FAC ANNEX 2 NEW	3974		RD	NE	SEATTLE	47.654679	-122.303854	3,360	2003	2
1172	URB HORT FIELD HSE	4120		CIR		SEATTLE	47.656705	-122.28874	1,920	1948	1
1144	UW CLUB	4020	E	WY	NE	SEATTLE	47.655617	-122.304032	13,455	1960	5
4597	UW TOWER BLDG A	4328		AVE	NE	SEATTLE	47.660762	-122.313943	10,960	1924	2
4595	UW TOWER BLDG C	4332		AVE	NE	SEATTLE	47.660398	-122.315136	102,804	1961	2
4594	UW TOWER BLDG O	4332		AVE	NE	SEATTLE	47.660925	-122.315119	71,267	1949	2
4596	UW TOWER BLDG S	4315		AVE	NE	SEATTLE	47.66023	-122.314666	57,016	1969	2
4593	UW TOWER BLDG T	4333		AVE	NE	SEATTLE	47.660746	-122.314655	279,459	1973	3
1150	VAN DE GRAAFF ACCL	4311		RD	NE	SEATTLE	47.659994	-122.302852	37,148	1963	2

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Agency Assigned Number	Agency Assigned Common Name	Situs Address Number		Address Suffix		City	GPS Latitude	GPS Longitude	Square Feet (GSF)	Year Constructed	OFM Condition #
5960	W. W. PHILIP HALL	1914		AVE		TACOMA	47.244507	-122.437062	20,360	2008	1
4057	W.H. FOEGE BIOENG	3710		AVE	NE	SEATTLE	47.652473	-122.312586	144,856	2006	1
4058	W.H. FOEGE GENOME	3812		AVE	NE	SEATTLE	47.651919	-122.313181	119,715	2006	1
3935	WA DENTAL SVC BLDG	6222	NE	ST		SEATTLE	47.68256	-122.26224	27,892	1999	1
1283	WALSH GARDNER	1900		ST		TACOMA	47.24468	-122.437105	24,192	1912	1
1120	WATERFRONT ACT CTR	3701		RD	NE	SEATTLE	47.648579	-122.299819	20,904	1977	2
1117	WEST RECEIVING STA	3903		AVE	NE	SEATTLE	47.653663	-122.312546	2,000	1970	0
3972	WHITELEY COTTAGE 1	620		RD		FRIDAY	48.545402	-123.014608	850	2000	1
3973	WHITELEY COTTAGE 2	620		RD		FRIDAY	48.545509	-123.014782	650	2000	1
3974	WHITELEY COTTAGE 3	620		RD		FRIDAY	48.545607	-123.015021	850	2000	1
3975	WHITELEY COTTAGE 4	620		RD		FRIDAY	48.545587	-123.01529	700	2000	1
4098	WHITELEY COTTAGE 5	620		RD		FRIDAY	48.54579	-123.015399	650	2000	2
4099	WHITELEY COTTAGE 6	620		RD		FRIDAY	48.545839	-123.015107	850	2002	2
4100	WHITELEY COTTAGE 7	620		RD		FRIDAY	48.545863	-123.014884	850	2002	2
3971	WHITELEY STUDY BLDG	620		RD		FRIDAY	48.545411	-123.014019	2,760	2000	2
6122	WHITNEY MEM CHURCH	1901		AVE		TACOMA	47.24454	-122.440752	6,168	1919	2
1345	WILCOX HALL	3749		RD	NE	SEATTLE	47.651846	-122.304558	41,265	1963	4
1420	WILLIAM H GATES HALL	4293		WY	NE	SEATTLE	47.659228	-122.310931	210,117	2003	1
1022	WILSON ANNEX	2117	NE	RD		SEATTLE	47.65138	-122.305174	4,154	1987	1
1170	WILSON CERAMIC LAB	2121	NE	RD		SEATTLE	47.651679	-122.304847	4,909	1946	4
1151	WINKEN FOR SCI LAB	3712		PL	NE	SEATTLE	47.651444	-122.306858	26,231	1963	2
1054	WINKENWERDER ANX	3710		PL	NE	SEATTLE	47.651164	-122.30649	267	1979	2
1315	WOMEN'S SOFTBALL	3807		RD	NE	SEATTLE	47.650685	-122.300012	16,161	1998	1
Total Gross Square Feet									19,302,811		

STATE OF WASHINGTON
2009-11 CAPITAL EXPENDITURE SUMMARY
JULY 2010

Fund	App	Description	Project #	Total App	Total Allotted	Total Exp as of July '10	Balance as of July '10	Reapp Amount
057	I04	Lewis Hall Renovation	08-1-003	478,000	478,000	478,000		
057	I05	Balmer Hall PH2	08-1-004	2,912,570	2,912,570	1,967,378	945,192	
057	I09	Interdisciplinary Academic Bldg	08-2-003	692,948	692,948	692,948		
057	I10	UW Tacoma Phase 3	08-2-005	3,542,739	3,542,739	3,542,739		
057	I11	UW Bothell Ph 3 - Predesign	08-2-006	43,758	43,758	43,758		
057	I15	C&C Infrastructures	08-2-004	4,910,136	4,910,136	3,176,490	1,733,646	
057	I21	Burke Museum	08-2-850	300,000	300,000	271,473	28,527	
057	J00	UW Tacoma Phase 3	08-2-005	16,768,000	16,768,000	10,812,846	5,955,154	
057	J01	UW Bothell Phase 3	08-2-006	5,000,000	5,000,000	830,055	4,169,945	1,000,000
057	J02	House of Knowledge	00-0-021	300,000	300,000	223,491	76,509	
057	J04	Minor Works Facility Preserv	00-0-027	19,135,000	19,135,000	3,963,579	15,171,421	4,000,000
057	J08	Anderson Hall Renov	09-1-002	200,000	200,000	97,643	102,357	
57	J09	Infrastructure Savings	00-2-289	1				1
057	J11	Clark Hall Renovation	06-1-007	183,000	183,000	183,000		
57	J12	Intermediate Student Service & Classrooms	08-1-005	6,934,000	6,934,000	1,425,300	5,508,468	
			Total	61,400,152		Total	28,182,751	5,000,001
064	I02	Minor Works-Facility Preservation	08-1-001	14,398,609	14,398,609	9,522,406	4,876,203	
064	J03	Safe Campus	00-0-022	8,000,000	1,812,521	315,113	7,684,887	1,000,000
064	J05	Minor Works Facility Preserv	00-0-027	15,040,000	15,040,000	1,486,690	13,553,310	2,000,000
064	J06	Minor Works Program	00-0-110	5,000,000	5,000,000	821,842	4,178,158	
064	J07	Preventive Facility Maint.	00-0-287	20,741,000	20,741,000	4,952,392	15,788,608	
064	J13	UW Tacoma Phase 3	08-2-005	14,007,000	14,007,000		14,007,000	
064	J14	UW Tacoma Land Acquisition	09-2-003	2,469,000	2,469,000		2,469,000	2,469,000
			Total	79,655,609		Total	62,557,166	5,469,000
173	I20	UW Tacoma Soil Remediation	08-2-852	1,000,000	1,000,000		1,000,000	1,000,000
			Total	1,000,000		Total	1,000,000	1,000,000
253	I06	Intermediate Student Service & Classrooms	08-1-005	311,000	311,000	311,000		
253	I12	Clark Hall Renovation	06-1-007	967,000	967,000	967,000		
			Total	1,278,000		Total	0	0
357	H17	UW Tacoma Land Acq/ Soils Remediation	06-2-852	327,805	327,805	149,801	178,004	
357	I14	Savery Hall Renov	06-1-005	9,619,130	9,619,130	7,794,049	1,647,081	
			Total	9,946,935		Total	1,825,085	0
		Univeristy of Washington	Total	153,280,696		Total	192,638,472	11,469,001

Percentage of Total Appropriation

7%

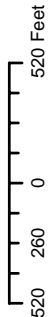


UNIVERSITY of WASHINGTON
OFFICE OF PLANNING AND BUDGETING

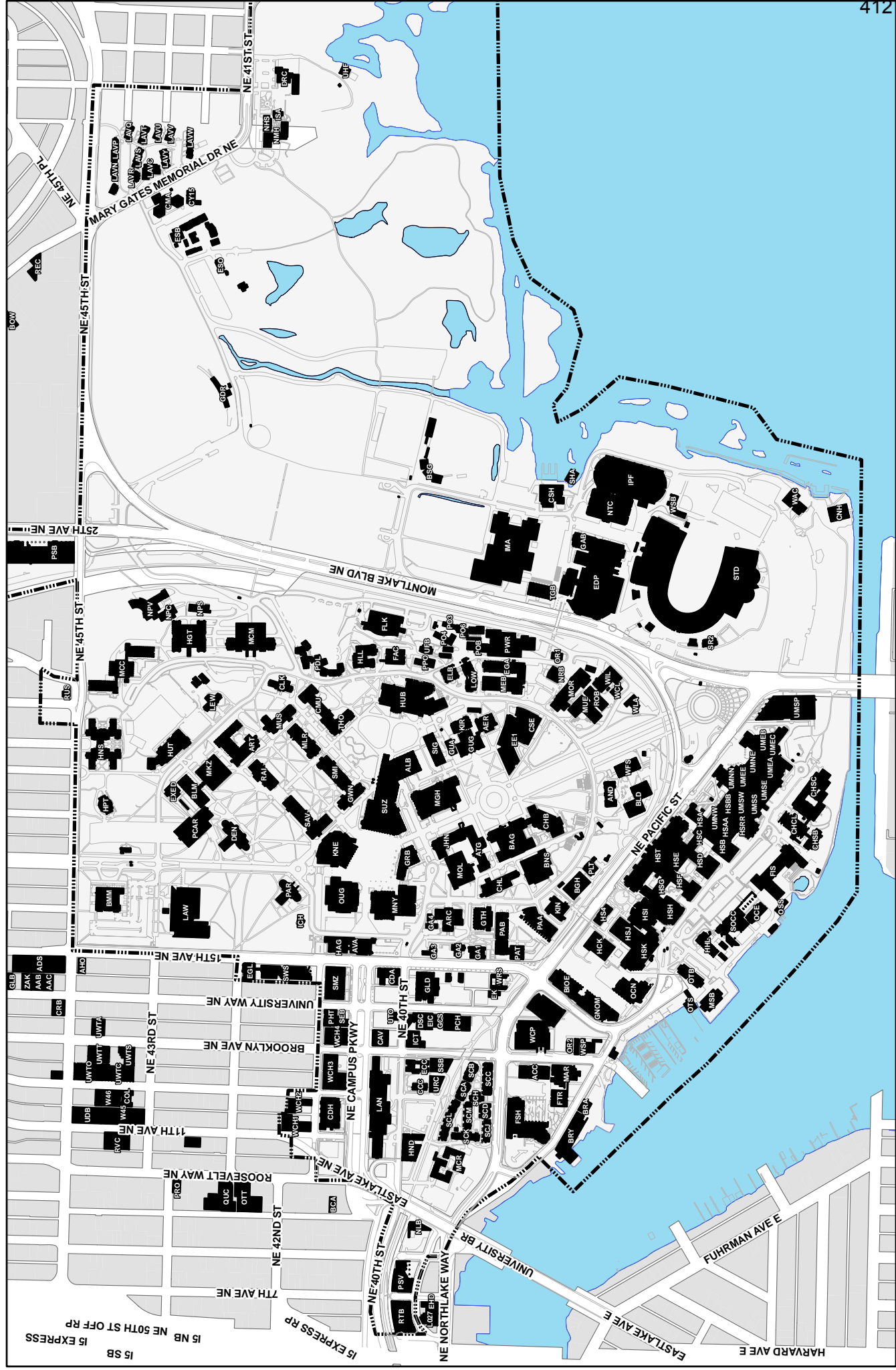


Information depicted is compiled from the best available sources and is for reference purposes only.
<http://www.washington.edu/admin/pb/home/pdf/capital/CBSMapSeattle2010.pdf>

Buildings Campus Boundary



University of Washington Seattle Campus

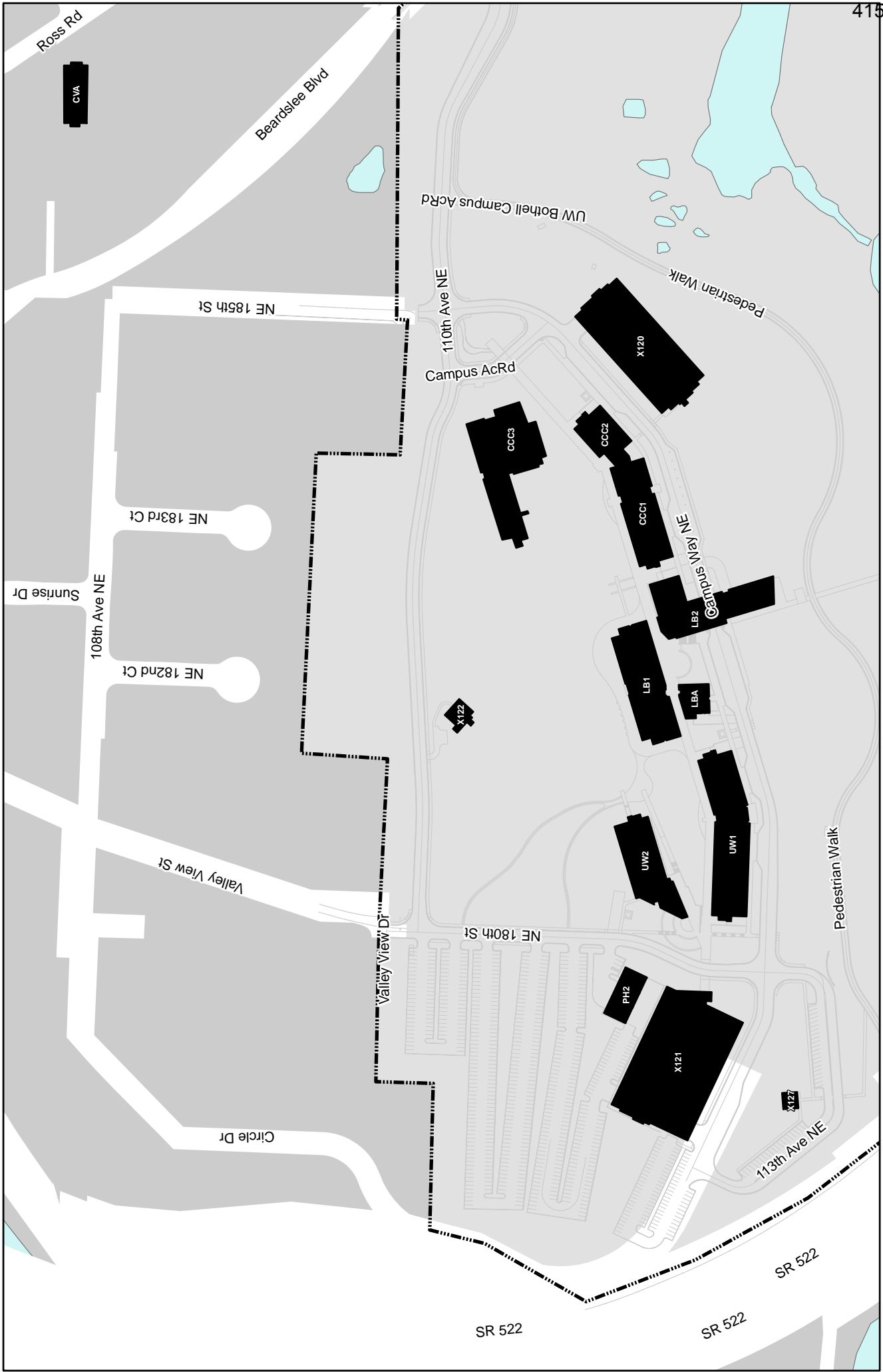


UW Seattle Campus Building List

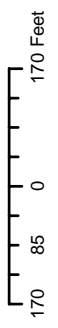
Facility Code	Building Name	Facility Code	Building Name
ACC	John M. Wallace Hall (Formerly the Academic Computer Center)	LAVR	Laurel Village Building R
ADA	3945 15th Avenue NE	LAVS	Laurel Village Building S
ADI	3937 15th Avenue NE	LAVT	Laurel Village Building T
ADL	Aerodynamics Laboratory	LAVU	Laurel Village Building U
AER	Aerospace and Engineering Research Building	LAVV	Laurel Village Building V
ALB	Allen Library	LAVW	Laurel Village Building W
AMB	Athletic Maintenance Building, 3800 Montlake Blvd NE	LAVX	Laurel Village Building X
AND	Anderson Hall	LAVY	Laurel Village Building Y
ARC	Architecture Hall	LAW	William H. Gates Hall
ART	Art Building	LEW	Lewis Hall
ASC	Architect South Campus Construction Office	LOW	Loew Hall
ATG	Atmospheric Sciences-Geophysics Building	MAR	Marine Studies Building
AVA	Allen Center for The Visual Arts	MCC	McCarty Hall
BAG	Bagley Hall	MCM	McMahon Hall
BGH	Botany Greenhouse	MCR	Mercer Hall
BGQ	Botany Greenhouse Quonset	MEB	Mechanical Engineering Building
BHA	Botany Greenhouse Annex	MGH	Mary Gates Hall
BIOE	William H. Foegen Bioengineering	MKZ	Mackenzie Hall
BLD	Bloedel Hall	MLR	Miller Hall
BLM	Balmer Hall	MNY	Meany Hall
BMM	Burke Memorial-Washington State Museum	MOR	More Hall
BNS	Benson Hall	MSB	Marine Sciences Building
BRA	Bryants Annex	MUE	Mueller Hall
BRY	Bryants Building	MUS	Music Building
BSG	Baseball Grandstand	NC1	Nordheim Court 1
BVA	Blakeley Village Complex A	NC2	Nordheim Court 2
BVB	Blakeley Village Complex B	NC3	Nordheim Court 3
BVC	Blakeley Village Complex C	NC4	Nordheim Court 4
BVCC	Blakeley Village Community Center	NC5	Nordheim Court 5
BVD	Blakeley Village Complex D	NC6	Nordheim Court 6
BVE	Blakeley Village Complex E	NC7	Nordheim Court 7
BVF	Blakeley Village Complex F	NC8	Nordheim Court 8
BVG	Blakeley Village Complex G	NHS	Northwest Horticultural Society Hall
BVH	Blakeley Village Complex H	NLB	Northlake Building
BVJ	Blakeley Village Complex J	NMH	Merrill Hall
BVK	Blakeley Village Complex K	NPC	North Physics Laboratory (Cyclotron Building)
CAV	Cavalier Apartments	NPS	North Physics Laboratory (Cyclotron Shop)
CCC	Child Care Center	NPV	North Physics Laboratory (Van de Graaff Accelerator)
CDA	Commodore-Duchess Apartments	NRB	More Hall Annex
CDH	Condon Hall	NTC	Nordstrom Tennis Center
CHB	Chemistry Building	OBS	Theodor Jacobsen Observatory
CHCL	Center on Human Development and Disability Clinic	OCE	Oceanography Building
CHL	Chemistry Library Building	OCN	Ocean Sciences Building
CHSB	Center on Human Development and Disability South	ODB	Oceanography Dock Building
CHSC	Center on Human Development and Disability School	OR1	Plant Operations Annex 7 (Modular)
CLK	Clark Hall	OR2	Ocean Research Bldg. #2 (Trailer)
CMA	Ceramic and Metal Arts Building	OSS	Oceanography Storage Shed
CMU	Communications Building	OTB	Oceanography Teaching Building
CNH	Canoe House	OTS	1429 NE Boat St
CPG	Central Plaza Garage	OTS2	1425 N.E. Boat St
CSE	Paul G. Allen Center for Computer Science & Engineering	OUG	Odegaard Undergraduate Library
CSH	Conibear Shellhouse	PAA	Physics-Astronomy Building
GA1	Guthrie Annex 1	PAB	Physics-Astronomy Building
GA2	Guthrie Annex 2	PAR	Parrington Hall
GA3	Guthrie Annex 3	PAT	Physics-Astronomy Building
GA4	Guthrie Annex 4	PCH	Purchasing and Accounting Building
GAB	Graves Annex Building	PDL	Padelford Hall
GCS	3935 University Way NE	PHT	Playhouse Theater
GDR	Golf Driving Range Building	PL1	Plant Laboratory Annex
CYCO	Corp Yard Container Office	PL2	Plant Lab Annex 2
DEN	Denny Hall	PL3	Plant Lab Annex 3
DRC	Douglas Research Conservatory	PLT	Plant Laboratory
DSC	3941 University Way NE	PO1	Plant Operations Annex 1
ECC	Ethnic Cultural Center	PO2	Plant Operations Annex 2
EDP	Edmundson Pavilion	PO3	Plant Operations Annex 3
EE1	Electrical Engineering Building	PO4	Plant Operations Annex 4
EGA	Engineering Annex	PO5	Plant Operations Annex 5
EGL	Eagleson Hall	PO6	Plant Operations Annex 6
EIC	3939 University Way N.E.	POB	Plant Operations Building
EK	3900/3902 University Way	PPO	Facilities Services Administration Building
ELB	Engineering Library	PSB	Plant Services Building

UW Seattle Campus Building List

ERS	East Receiving Station	PSV	Publications Services Building
ESB	Environmental Safety Storage Building	PTS	5020 25th Avenue NE
ESO	Environmental Safety Office Building	PVP	Pavilion Pool
EXED	Bank of America Executive Education Center	PWR	Power Plant
FAC	University of Washington Club (Faculty Center)	RAI	Raitt Hall
FIS	Portage Bay Building	RAX	Roberts Annex
FLK	Fluke Hall	ROB	Roberts Hall
FSH	Fishery Sciences	RTB	Benjamin Hall Interdisciplinary Research Building
FTR	Fisheries Teaching and Research Building	RUS	Russian House
GH1	Gatehouse 1 - Central Parking Garage	SAV	Savery Hall
GH2	Gatehouse 2 - Memorial Way	SCA	Stevens Court A
GH3	Gatehouse 3 - Pend Oreille	SCB	Stevens Court B
GH4	Gatehouse 4 - Triangle Parking	SCBL	Stevens Court Blockhouse
GH5	Gatehouse 5 - NE 40th	SCC	Stevens Court C
GH6	Gatehouse 6 - 15th NE	SCD	Stevens Court D
GH7	Gatehouse 7 - Columbia Road	SCF	Stevens Court F
GH8	Gatehouse 8 - Stadium Parking	SCH	Stevens Court H
GHEN	Gate House E-1 North	SCJ	Stevens Court J
GHEs	Gate House E-1 South	SCK	Stevens Court K
GIL	Gilman Building	SCL	Stevens Court L
GLD	Gould Hall	SCM	Stevens Court M
GNOM	William H. Foege Genome Sciences	SEB	Staff Human Resources Building
GRB	Gerberding Hall	SGS	3947 University Way N.E.
GTH	Guthrie Hall	SHA	Shellhouse Annex 1
GUA	Guggenheim Annex	SIG	Sieg Hall
GUG	Guggenheim Hall	SMI	Smith Hall
GWN	Gowen Hall	SMZ	Schmitz Hall
HAG	Henry Art Gallery and Allen Center for The Visual Arts	SOCC	South Campus Center
HBT	1401-11 NE Boat St	SR2	Stadium Concession
HCK	Hitchcock Hall	SR3	Stadium Concession
HGT	Haggett Hall	SR4	Stadium Concession
HHL	Harris Hydraulics Laboratory	SR6	Stadium Concession
HLL	Hall Health Center	SR9	Stadium Concession
HND	Henderson Hall	SSB	Staff Services Building
HNS	Hanse Hall	STD	Stadium
HPT	Hughes Penthouse Theatre	SUZ	Suzzallo Library
HS4	Health Sciences Annex 4	SWS	Social Work/Speech and Hearing Sciences Building
HSA	Magnuson Health Sciences Center A	TER	Terry Hall
HSAA	Magnuson Health Sciences Center AA	TGB	Graves Hall
HSB	Magnuson Health Sciences Center B	THO	Thomson Hall
HSBB	Magnuson Health Sciences Center BB	TPG	Triangle Parking Garage
HSC	Magnuson Health Sciences Center C	TSA1	Transportation Services Annex 1
HSD	Magnuson Health Sciences Center D	TSB	Transportation Services Building
HSE	Magnuson Health Sciences Center E	UFA	University Facilities Annex 1
HSF	Magnuson Health Sciences Center F	UFA2	University Facilities Annex 2
HSG	Magnuson Health Sciences Center G	UFB	University Facilities Building
HSI	Magnuson Health Sciences Center H	UHF	Urban Horticulture Field House
HSJ	Magnuson Health Sciences Center I	UMCC	University Medical Center, CC
HSK	Magnuson Health Sciences Center J	UMEA	University Medical Center, Wings EA
HSK	Fialkow Biomedical Sciences Research Pavilion (K wing)	UMEB	University Medical Center, Wing EB
HSRR	Magnuson Health Sciences Center RR	UMEC	University Medical Center, Wing EC
HST	Magnuson Health Sciences Center T	UMEE	University Medical Center, Wings EE
HUB	Student Union Building	UMNE	University Medical Center, Wing NE
HUT	Hutchinson Hall	UMNN	University Medical Center, Wing NN
IC2	3930 Brooklyn Avenue NE	UMNW	University Medical Center, Wings NW
ICH	Cunningham Hall	UMSE	University Medical Center, Wing SE
ICT	Ethnic Cultural Center Theatre	UMSP	University Medical Center, Surgery and Treatment Pavilion
IMA	Intramural Activities Building	UMSS	University Medical Center, Wing SS
IPF	Indoor Practice Facility (Dempsey Indoor Center)	UMSW	University Medical Center, Wing SW
ISA	Isaacson Hall	URC	SW Maintenance Bldg
JHN	Johnson Hall	UTO	4001-7 University Way NE
KIN	Kincaid Hall	WAC	Waterfront Activities Center
KIR	Kirsten Wnd Tunnel	WCL	Wilson Ceramic Laboratory
KNE	Kane Hall	WCP	Portage Bay Parking Facility (West Campus Parking Garage)
L042	909 NE Boat St	WFS	Winkenwerder Forest Sciences Laboratory
LA1	Lewis Annex 1	WIL	Wilcox Hall
LA2	Lewis Annex 2	WLA	Wilson Annex
LAN	Lander Hall	WNX	Winkenwerder Annex
LAVC	Laurel Village Building C	WRS	West Receiving Station
LAVM	Laurel Village Building M	WSB	Women's Fastpitch Softball Building
LAVN	Laurel Village Building N	WSG	3710 Brooklyn Avenue NE
LAVP	Laurel Village Building P	WSP	3716 Brooklyn Avenue NE
LAVQ	Laurel Village Building Q		



University of Washington Bothell Campus



Buildings Campus Boundary

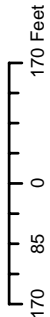
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<http://www.washington.edu/admin/pb/home/pdf/capital/CBSMapBothell2010.pdf>

August 26, 2010

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UW Bothell Campus Building List

Facility Code	Building Name
UW1	Bothell Campus Building
LB1	Bothell Campus Library
PH2	Bothell Physical Plant Building
LBA	Bothell Library Annex
UW2	Bothell Campus Building
LB2	Bothell Library Building 2
X120	North Parking Garage
X121	South Parking Garage
X122	Truly House
X127	Chase House
CVA	Campus View Apartments



Buildings Campus Boundary

University of Washington Tacoma Campus

UW Tacoma Campus Building List

Facility Code	Building Name
LBR	Library Building
ADMC	Academic Building
SNO	Snoqualmie Building
TSP	Tacoma Paper and Stationary
DOU	Dougan Building
MAT	Mattress Factory
KEY	Keystone Building
CP	Cherry Parkes
JOY	Russel T Joy Building
CT17	Court 17
SCI	Tacoma Science Building
PNK	Pinkerton Building
CARL	Carlton Center Building
LSH	Longshoremen's Hall
STR	Strom Building
LBH	Laborer's Hall
X177	Tioga Annex
PHH	William W. Philip Hall (Tacoma Assembly Hall)
MAC	MacDonald and Smith Bldg. (Artist's Loft)
WGB	Walsh Gardner Building
SWB	Stoneway Building
UMC	Whitney Memorial United Methodist Church
CUW	Center for Urban Waters