

2017-2019 Capital Budget Request and 2017-2027 Capital Plan

TABLE OF CONTENTS

TAB A	1
UW Capital Budget Introduction	3
Ten Year Capital Plan by Priority – CBS001 Report	5
UW 2017-2019 State Capital Budget Request and 10 Year Capital Plan	10
Department of Archeology and Historic Preservation Review Letter	11
Capital FTE Summary – UW Narrative and CBS004 Report	12
Backlog Reduction Plan	14
TAB B – PRESERVATION PROJECTS	31
UW Preservation Projects – Capital Project Request Summary	33
2017-2019 Minor Capital Repair Preservation Projects Summary	38
Capital Project Requests – CBS002 and CBS003 Reports	
Burke Museum	41
Minor Capital Repairs - Preservation Projects and Sub Projects	52
UW Tacoma – Soil Remediation	204
Seismic Improvements – Six Year Plan Collapse Prevention	213
Evans School – Parrington Hall Remodel	223
College of Education – Miller Hall Renovation	234
College of the Environment – Anderson Hall Renovation	244
Health Sciences Education Phase II – T-Wing Renovation	254
College of Engineering – Classroom and Research Renovations	264
Request for Reappropriations – CBS002 Reports	
UW Minor Capital Repairs – Preservation	275



2017-2019 Capital Budget Request and 2017-2027 Capital Plan

TAB C – PROGRAMMATIC PROJECTS	<u>277</u>
UW Program Projects – Capital Projects Summary	279
Capital Projects Requests – CBS002 and CBS003 Reports	
Population Health Sciences Building	282
Population Health Sciences Education – T-Wing Addition	293
College of Engineering – Interdisciplinary Education and Research Building	305
UW Bothell – Phase 4 Academic STEM Building	316
UW Tacoma – Academic Building	328
Center for Advanced Materials and Clean Energy	339
Request for Reappropriations – CBS002 Reports	
School of Nursing Simulation Learning Lab	351
Health Sciences Interprofessional Education Classroom	354
Computer Science & Engineering Expansion	356
Growth Management Act Information	358
APPENDICES	<u>361</u>
UW 2015-2017 Capital Expenditure Summary	363
UW Campus Maps and Buildings	364
UW Bothell	369
UW Seattle	370
UW Tacoma	371

Planning & Management

September 16, 2016

Gene Emmans
Capital Budget Assistant to the Governor
Office of Financial Management
Third Floor, Insurance Building
302 Sid Snyder Avenue SW
PO Box 43113
Olympia, WA 98504-3113

RE: 2017-2019 University of Washington State Capital Budget Request

Dear Gene,

Attached are five copies of the 2017-2019 University of Washington State Capital Budget Request for the Office of Financial Management Budget Division per your 2017-27 Capital Plan Instructions.

If you have any questions, please contact me at (206) 221-4344. Thank you.

Sincerely,

Michael McCormick

Associate Vice President

Capital Planning & Development

Attachments

cc:

Sarah Hall, UW Office of Planning & Budgeting Margaret Shepherd, UW Office of State Relations



UNIVERSITY of WASHINGTON

2017–2019 Capital Budget Request

University of Washington

Office of Planning & Management

September 2016





UNIVERSITY of WASHINGTON

TABA

- UW Capital Budget Introduction
- Ten Year Capital Plan by Priority CBS001 Report
- UW 2017-2019 State Capital Budget Request and 10 Year Capital Plan
- Department of Archeology and Historic Preservation Review Letter
- Capital FTE Summary UW Narrative and CBS004 Report
- Backlog Reduction Plan



University of Washington - Capital Budget Introduction

As the state's flagship university, the University of Washington (UW) serves more students than any institution in the Northwest – more than 54,000 annually. Founded in 1861, the UW is one of the oldest state-supported institutions of higher education on the West Coast. The UW is deeply committed to upholding the responsibility that comes with that legacy; being public has always meant being accessible. Anyone can enjoy and be enriched by all the UW has to offer, including world-class libraries, art, music, drama, sports and the highest quality medical care in the Washington State. Being public also means being engaged with our communities, and through knowledge and discovery we are elevating the quality of lives of others.

The UW 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. While serving the educational needs of students locally, its reach is wide.

- Expanding World Views: UW students gain an understanding of community needs as well as issues around the globe becoming respectful and educated citizens of the world.
- Environmental Leadership: As one of the greenest regions in the country, the University of Washington also leads in environmental solutions.
- Advancing Our World: By educating the next generation of thinkers and doers and leveraging faculty and researcher expertise, the University of Washington drives new ideas and innovations that make the world a better place.
- Creating Healthier Lives: The University of Washington is committed to new discoveries in human health and improving the lives and well-being of people here and around the world.

With their rapidly growing and diverse undergraduate and graduate programs, the Bothell and Tacoma campuses offer access to higher education and employment programs uniquely tailored to the needs of its students.

UW Bothell, founded in 1990, enjoys a 128-acre campus with more than 5,000 students enrolled in 45 undergraduate and graduate degree programs. UW Bothell holds the student-faculty relationship to be paramount, providing access to excellence in higher education through innovative and creative curricula, interdisciplinary teaching and research, and a dynamic community of multicultural learning.

UW Tacoma, founded in 1990, has approximately 4,600 students in 13 schools with over 50 degree programs . The school's 46-acre downtown campus, crafted from updated and restored historic buildings in the Warehouse District, has won national recognition. UW Tacoma is an urban-serving university providing access to students in a way that transforms families and communities, and impacts and informs economic development through community engagement.

UW Vision Statement

The UW educates a diverse student body to become responsible global citizens and future leaders though 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.

The primary mission of the UW 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 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.

UW Key Strategies to Meet the Great Challenges of Our Future

- Attract a diverse and excellent student body and provide a rich learning experience
- Draw and retain outstanding faculty and staff to enhance educational quality, research, strength, and prominent leadership
- Strengthen interdisciplinary research and scholarship to benefit society and stimulate economic development
- Expand the global reach and impact of the UW
- Maintain and build infrastructure and facilities that insure the highest level of integrity, compliance and stewardship of our resources

2017-2019 Biennial Capital Budget Request and 2017-2027 Capital Plan

The UW's 10-Year Capital Plan represents the University's stewardship of our existing facilities and space resources, as well as new investments required to maintain our stature as a major public resource for our region, nation, and world.

The UW's Capital Budget Request is the result of several physical planning efforts carefully integrated with the UW's key strategies to meet the great challenges of the future. The process is mission-driven, requires an objective search for needs that support key strategies, focuses heavily on efficient utilization of existing resources, and proposes accelerated care for those facilities and infrastructures in need of the most attention.

The projects identified in the University of Washington 2017-2019 State Capital Budget Request, and in the 10 Year Capital Plan, are necessary to sustain the mission of the University of Washington on the UW Seattle, UW Bothell and UW Tacoma campuses.

Ten Year Capital Plan by Project Priority 2017-19 Biennium 360 - University of Washington

Date Run: 9/15/2016 5:42PM Report Number: CBS001

Version: 03 Final OFM Submission 2017-19

Project by Agency Priority	Estimated Prior Current Rea	20082850 Burke Museum 057-1 State Bldg 53,800,000 3,800,000 16,000,000 10,000,000 Constr-State 252-7 Hl Ed N-Prop Lcl Cap-Private/Local	Project Total: 53,800,000 3,800,000 16,000,000 10,000,000	30000736 Minor Capital Repair - Preservation - 2017-2019 Request 064-1 UW Building 375,508,000 Account-State	92000002 UW Tacoma Campus Soil Remediation 057-1 State Bldg 15,300,000 4,300,000	173-1 State Toxics 1,700,000 700,000 1,000,000 Control-State	Project Total: 17,000,000 5,000,000 1,000,000	30000808 UW Major Infrastructure 057-1 State Bldg 55,000,000 Constr-State	30000811 Population Health Sciences Building 057-1 State Bldg 20,000,000	Constr-State 148-6 HE - Dedicated 210,000,000 Locl-Non-Appropriated	Project Total: 230,000,000	Ith Sciences Education - T-Wing Renovation/Addition	Construction 33,000,000 33,000,000	
	New Reapprop Approp <u>2017-19</u> 2017-19	,000 24,000,000	,000 24,000,000	71,400,000	2,500,000		2,500,000	25,000,000	20,000,000	210,000,000	230,000,000	150,000 10,000,000		
	Estimated <u>2019-21</u>			73,440,000	2,500,000		2,500,000	15,000,000				50,000,000	33,000,000	
	Estimated <u>2021-23</u>			74,909,000	2,000,000		2,000,000	15,000,000						
	Estimated <u>2023-25</u>			76,407,000	2,000,000		2,000,000							
	Estimated <u>2025-27</u>			79,352,000	2,000,000		2,000,000							

Ten Year Capital Plan by Project Priority 360 - University of Washington

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Date Run: 9/15/2016 5:42PM Report Number: CBS001

Estimated 2025-27

	Estimated <u>2023-25</u>																				
	Estimated <u>2021-23</u>		35,000,000	100,000,000	135,000,000						26,500,000	5,000,000	31,500,000								
	Estimated 2019-21		14,000,000		14,000,000		51,000,000	20,000,000	71,000,000		3,000,000		3,000,000		10,000,000	139,000,000	149,000,000				
	New Approp 2017-19		1,000,000		1,000,000		3,000,000		3,000,000		200,000		500,000		10,000,000		10,000,000		10,000,000	10,000,000	20,000,000
	Reapprop <u>2017-19</u>						120,000		120,000					qs	6,500,000		6,500,000				
	Current Expenditures	nary Ed./Research Center I					380,000		380,000					search Test Be	2,500,000		2,500,000				
	Prior Expenditures	nary Ed./Res												d Clean Energy Re				II Renovation			
	Estimated <u>Total</u>	neering Interdi	50,000,000	100,000,000	150,000,000		54,500,000	20,000,000	74,500,000		30,000,000	5,000,000	35,000,000	d Materials an	29,000,000	139,000,000	168,000,000	Parrington Hal	10,000,000	10,000,000	20,000,000
Project by Agency Priority	Priority Project by Account-EA Type	30000492 College of Engineering Interdiscipli	057-1 State Bldg Constr-State	148-6 HE - Dedicated LocI-Non-Appropriated	Project Total: [—]	30000378 UW Bothell	057-1 State Bldg Constr-State	148-6 HE - Dedicated Locl-Non-Appropriated	Project Total: [—]	20102002 UW Tacoma	057-1 State Bldg Constr-State	148-6 HE - Dedicated LocI-Non-Appropriated	Project Total: [—]	91000016 Ctr for Advanced Materials and Clean Energy Research Test Beds	057-1 State Bldg Constr-State	148-6 HE - Dedicated Locl-Non-Appropriated	Project Total: [—]	30000810 Evans School - Parrington Hall Rene	057-1 State Bldg Constr-State	148-6 HE - Dedicated Locl-Non-Appropriated	Project Total: _
Pro	Universi		f Was	shingto	n 20	ທ)17.	-2019	Capita	al Bı	udg	et Re	quest	Sep	t em	ıber 2	016		∞			

20091001 Miller Hall Renovation တ

Ten Year Capital Plan by Project Priority 2017-19 Biennium 360 - University of Washington

Date Run: 9/15/2016 5:42PM Report Number: CBS001

Version: 03 Final OFM Submission 2017-19

Proj	Project by Agency Priority									
		Estin	Prior	Current	Reapprop	New Approp	Estimated	Estimated	Estimated	Estimated
Priority 9	Priority Project by Account-EA Type 9 20091001 Miller Hall Renovation	e <u>Total</u> ation	Expenditures	Expenditures	2017-19	2017-19	2019-21	2021-23	2023-25	2025-27
•	057-1 State Bldg Constr-State	54,000,000						5,000,000	49,000,000	
10	20091002 Anderson Hall Renovation	novation								
	057-1 State Bldg Constr-State	22,200,000	200,000					2,000,000	20,000,000	
7	30000496 Health Sciences Education Phase II - T-Wing Renovation	Education Pha	se II - T-Wing Re	novation						
	057-1 State Bldg Constr-State	110,000,000	1					2,000,000	10,000,000	98,000,000
12	30000488 UW College of Engineering Classroom and Research Renovation	ngineering Clas	ssroom and Res	earch Renovation	_					
	057-1 State Bldg Constr-State	17,000,000							2,000,000	15,000,000
90	30000600 School of Nursing Simulation Learning Lab	g Simulation Lo	earning Lab							
	057-1 State Bldg Constr-State	4,000,000		1,000,000	3,000,000					
91	30000602 Health Sciences Interprofessional Education Classroom	Interprofession	nal Education Cl	assroom						
	057-1 State Bldg Constr-State	2,710,000		710,000	2,000,000					
92	30000603 Computer Science & Engineering Expansion	e & Engineerir	ng Expansion							
	057-1 State Bldg Constr-State	17,500,000		4,500,000	13,000,000					
	064-1 UW Building Account-State	15,000,000			15,000,000					
	Project Total:	32,500,000		4,500,000	28,000,000					
93	30000604 UW Minor Capital Repairs - Preservation	I Repairs - Pres	servation							
	064-1 UW Building Account-State	28,175,000		18,175,000	10,000,000					
		7 7 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		000	11000	700 000	440	400 000	470	000
	lotal	10tal 1,543,016,000	9,000,000	44,738,000	000,077,80	397,400,000	410,940,000	767,409,000	159,407,000	194,352,000

Total Account Summary

Ten Year Capital Plan by Project Priority 360 - University of Washington

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Date Run: 9/15/2016 5:42PM Report Number: CBS001

	Total Account Summary									
U						New				
nivers	Account-Expenditure Authority Type	Estimated	Prior Expenditures	Current Expenditures	Reapprop 2017-19	Approp 2017-19	Estimated 2019-21	Estimated 2021-23	Estimated 2023-25	Estimated 2025-27
sity o	_	5,63	8,300,000	25,563,000	34,770,000	106,000,000	145,500,000	87,500,000	83,000,000	115,000,000
f W	064-1 UW Building Account-State			18,175,000	25,000,000	71,400,000	73,440,000	74,909,000	76,407,000	79,352,000
ashi		517,000,000				220,000,000	192,000,000	105,000,000		
ng										
ton	173-1 State Toxics Control-State	1,700,000	700,000	1,000,000						
201										
17-2	Cap-Private/Local									
019		Total 1,543,016,000	9,000,000	4	59,770,000	397,400,000	410,940,000	4,738,000 59,770,000 397,400,000 410,940,000 267,409,000 159,407,000 194,352,000	159,407,000	194,352,000

Ten Year Capital Plan by Project Priority 2017-19 Biennium

Report Number: CBS001 Date Run: 9/15/2016 5:42PM

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Functional Area	*	All Functional Areas
Agency		360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Include Enacted	ON	No
Sort Order	Project Priority	Priority
Include Page Numbers	Z	No
For Word or Excel	z	z
User Group User Id	Agency Budget	Agency Budget All User Ids

PLANNING & MANAGEMENT UNIVERSITY of WASHINGTON

2017-2019 State Capital Budget Request and 10 Year Capital Plan

Proposed Projects			2017-2019	19	2019-2021	120	2021-2023	023	2023-2025	025	2025-2027	720	TOTAL
Prio				MN		MΩ		ΔN		ΜΩ		MΩ	
VOU 13 ei peripering	e d'A	Phace	Ctate Finds	Building	State Eunde	Building	State Funds	Building	State Funds	Building	State Finds	Building	State
0 Minor Capital Repair (incl. preventative maintenance)		D/C	1	71,400		73,400	1	74,909	'	76,407	-	79,352	375,468
0 Burke Museum (under construction)	Museum	υ	24,000	,	•		•		•		•	'	24,000
0 UW Tacoma - Soil Remediation	Infrastructure	Acq	2,500		2,500		2,500		2,500		2,500		12,500
1 Seismic Improvements (6 year plan - collapse prevention)	Infrastructure	D/C	25,000		15,000		15,000		٠	,	٠		55,000
2 Population Health Sciences Building	Research	D/C	20,000				•		•		•		20,000
3 Population Health - Education Building (T-Wing addition/reno)	Teaching	D/C	10,000		20,000	,	•	1	•				000'09
4 College of Engineering - Interdisciplinary Education and Research	Teaching/Research	PD/D/C	1,000		14,000		35,000				1		50,000
5 UW Bothell - Phase 4 - Academic STEM Building	Teaching	D/C	3,000		51,000		٠						54,000
6 UW Tacoma - Academic Building	Teaching	PD/D/C	200		3,000		26,500		٠		٠		30,000
7 Center for Advanced Materials and Clean Energy Technologies	Research	D/C	10,000		10,000		٠		٠		٠		20,000
8 Evans School - Parrington Hall Remodel	Teaching	D/C	10,000				٠		٠		٠		10,000
9 CoEduc - Miller Hall Renovation	Teaching	PD/D/C	٠				2,000		49,000		٠		54,000
10 CoEnv - Anderson Hall Renovation	Teaching	PD/D/C	٠				2,000		20,000				22,000
11 Health Sciences Education - T-Wing Renovation	Teaching	D/C					2,000		10,000		98,000		110,000
12 College of Engineering - Classroom and Research Renovation	Research	D/C					٠		2,000		15,000		17,000
		Totals:	106,000	71,400	145,500	73,400	88,000	74,909	83,500	76,407	115,500	79,352	913,968

Transmittal

Date: June 21, 2016

To: Allyson Brooks

State Historic Preservation Officer

Department of Archaeology & Historic Preservation

PO Box 48343

Olympia, WA 98504-8348

From: John Seidelmann

Director of Capital and Space Planning

University of Washington – Office of Planning and Budgeting

Subject: UW Predesign Report Submissions in Support of UW State Capital Budget

Request 2017-2019

In accordance with Executive Order 05-05 directing agencies to consult with the Department of Archaeology and Historic Preservation (DAHP) on all capital construction projects to be considered for state funding, the University of Washington is hereby providing information on three (3) proposed projects.

We would appreciate a letter from you confirming receipt of this information for OFM purposes.

The three projects are:

CAMCET – The Center for Advanced Materials & Clean Energy Technologies was created by the State of Washington in 2013 to accelerate the creation of a scalable clean energy future. Permanent operational funding was established in 2015. A new facility is needed for their operations and activities, laboratories (testbeds), collaboration spaces, teaching and offices. The center is proposed to be located in the new UW Innovation District in the west sector of campus. A specific site has not been selected but the project has studied locating the project near Pacific Ave between Brooklyn and University Way NE where the current Purchasing & Accounting Building is located.

Population Health Education Facility – The Population Health Education Facility would support flexible, active and teambased learning for pedagogical and technological needs of the University's Health Sciences as mandated by Medicine, Nursing, Pharmacy and Dentistry accreditation boards. It would centrally locate research, academic and clinical programs. It is intended to be located in the south sector of campus near the Magnuson Health Sciences Center.

Bothell Phase 4 – To accommodate additional students in the School of Science, Technology, Engineering and Mathematics (STEM), the new University of Washington Bothell campus proposed Phase 4 facility would be for classrooms, learning labs, collaborative faculty office space, and student collaboration space. There are currently multiple on-campus site location options, which is anticipated to be selected during the Campus Master Plan update currently underway.

Enclosures:

One (1) printed copy of each Predesign Report

One (1) CD which contains a pdf version of each Predesign Report

360 - University of Washington Capital FTE Summary

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS004

Date Run: 9/15/2016 2:32PM

FTFs by Joh Classification				
FTEs by Job Classification				
	Authorized Budg	jet		
	2015-17 Bienniu	m	2017-19 Bienni	um
Job Class	FY 2016	FY 2017	FY 2018	FY 2019
Accountant			2.0	2.0
Accounting Manager			1.0	1.0
Administrative Assistants			3.0	3.0
Associate Construction Managers			8.0	8.0
Construction Assistants			1.0	1.0
Construction Manager			5.0	4.0
Contracts Officer			1.0	1.0
Director			2.0	2.0
Estimator			1.0	1.0
Fiscal Specialist			1.0	0.0
Office assistant			1.0	0.0
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			1.0	1.0
Project Director			1.0	1.0
Project Engineer			2.0	2.0
Project Manager			7.0	5.0
Senior Secretary			3.0	3.0

Account				
	Authorized Bu	dget		
	2015-17 Bienn	nium	2017-19 Bien	ınium
Account - Expenditure Authority Type	FY 2016	FY 2017	FY 2018	FY 2019
057-1 State Bldg Constr-State			2,079,000	1,927,000
064-1 UW Building Account-State			3,120,000	2,891,000
Total Funding			5.199.000	4.818.000

Total FTEs

Narrative

Capital Staffing

41.0

46.0

Capital FTE Summary

2017-19 Biennium

Report Number: CBS004

Date Run: 9/15/2016 2:32PM

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Include Page Numbers	Υ	Yes
For Word or Excel	N	N

UW Deferred Maintenance Backlog Reduction Plan

The UW deferred maintenance backlog reduction plan is prepared and presented in the 2017-27 Capital Budget to meet the requirements of RCW 43.88.030 (5)(d).

The UW deferred maintenance backlog reduction plan has several goals, including:

- Promoting proper preservation of state facilities;
- Ensuring maintenance is not reduced during periods of decreasing resources;
- Identifying and prioritizing maintenance to best use resources;
- Decreasing deferral of maintenance so capital renewal is not required to restore a facility to its service delivery condition; and
- Establishing quality standards for maintenance appropriate for the agency and the facility's intended use.

The UW deferred maintenance backlog reduction plan includes:

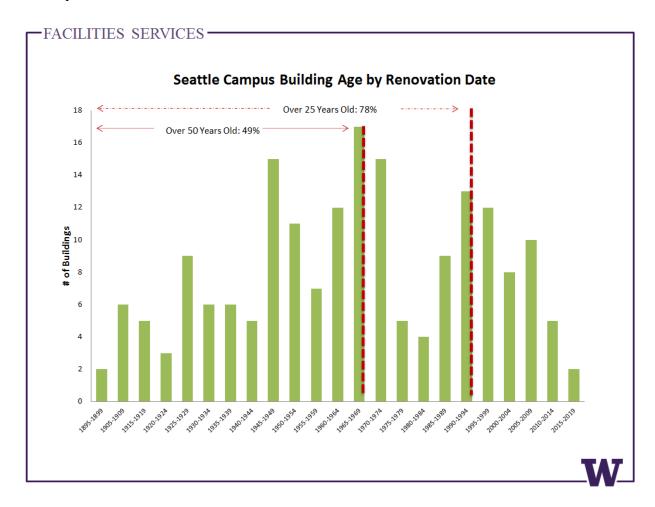
- Prioritization criteria for evaluation and timing of investments;
- Prioritized list of specific facility deficiencies and capital projects to address the deficiencies;
- Cost estimates for most projects;
- Schedule for completing projects over a reasonable period of time;
- Identification of normal maintenance activities to reduce future backlogs; and
- Identification of operating budget resources available to complete identified activities.

The UW Ten-Year Capital Plan is developed to cost-effectively and strategically reduce the deferred maintenance backlog, improve/maintain the condition and extend the life of the buildings, enhance health and safety, contribute to meeting sustainability and efficiency goals, comply with code related mandates, 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.

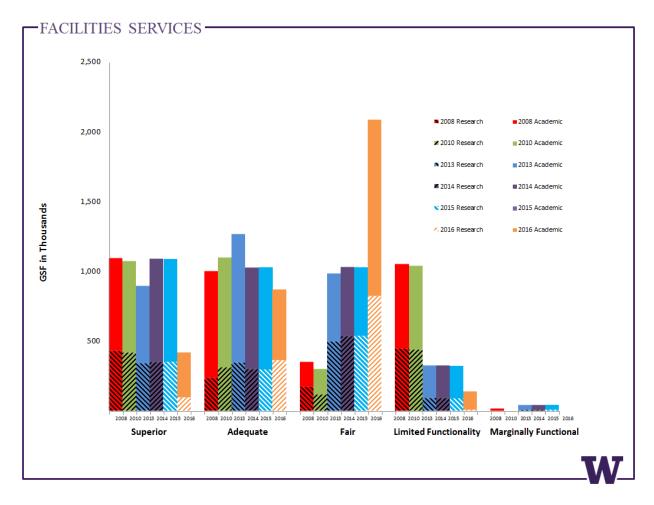
Background

Through investments spanning over 125 years, the current replacement value of state-supported buildings at the University of Washington now totals approximately 6.9 billion dollars. The Seattle Campus alone has over 643 acres; approximately 22 miles of public roads, drives, streets and pathways; approximately 12 million gross square feet of building maintenance and operations; and 7.5miles of walk-through utility tunnels used to distribute power, steam, chilled water, communications, and other utilities to campus. Preserving and extending the life these public assets is the foundation of a cost effective and environmentally focused ten-year capital plan. A significant proportion of the University's 2017-2019 State Capital Request is directed towards backlog reduction and building renewal projects.

The University of Washington facility inventory is aging; 49% of buildings on the Seattle campus are over 50 years old. 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.



Assessments taken from the Comparable Framework Study Update 2016 of state-owned educational and general buildings at the University of Washington (UW Seattle, UW Tacoma, and UW Bothell campuses) identifies a total of \$1,073,559,921 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 deferred maintenance backlog reduction plan includes not only preservation, but also code-required building repairs, and infrastructure and facility improvements required to maintain functionality.



The University of Washington defines its deferred maintenance backlog as a combination of building maintenance and repair projects (BMAR) and facility improvements (FACIMP).

UW Facilities Services estimates the UW Main Campus current deferred maintenance backlog at a similar number to the OFM Comparable Framework Study Update.

Deferred Maintenance Backlog = BMAR + FACIMP

- o **BMAR** (Building Maintenance and Repair): Projects necessary to safely maintain facilities and related infrastructure for the current use.
- FACIMP (Facilities Improvements): Projects which intentionally modify systems and improve facility performance beyond the original design intent (or capacity) specifically to meet modern functional requirements.

Deferred Maintenance funding strategy

Although the backlog remains very large, the UW's 2017-19 Capital Budget Request continues to prioritize investment on the projects that will reverse the trend of building deterioration and support continued preservation of the public's assets which directly support UW's educational mission. Our request for state bond funds and appropriated UW building fee support for Minor Repairs in the next biennium and over the next decade will support cost-effective preservation and renewal projects in building and infrastructure systems – particularly those most likely, if ignored, to contribute to increasing the number of UW Condition No. 4 and 5 buildings. We believe this investment provides the public with the biggest capital bang for each public dollar committed.

This 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 and has to the most immediate impact to a systemic reversal and stabilization of the worsening conditions for the University of Washington.

UW's buildings can offer many more years of service with preservation improvements to their roofs, building envelopes, and mechanical systems at lower capital cost which can result in lower operating and maintenance costs and, often, more seismic resilience for life safety and business continuity after an event. For example, many opportunities exist to maintain and renew existing building mechanical systems to improve their efficiency, thereby increasing the comfort 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 wholesale renovation projects are necessary.

This multi-pronged approach strategically adopts the preservation backlog for the wide range of buildings. It increases funding of the Minor Repair program, in association over time with funding for individual comprehensive building renovations, and addresses the problem in a cost-effective manner. This dual strategy, we believe, is an effective and responsible 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

The UW's 2017-2019 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.

<u>UW Building Account and State Funding:</u> As in prior capital budget requests, we are again proposing a special partnership with the State of Washington with the goal of increasing the level of minor repair funding by requesting the allocation of its entire available projected building fee for this purpose. Through use of our projection of approximately \$72,400,000 from the UW Building Account would be available to address the maintenance backlog and renewal challenges. Over the next three biennia, we project that funding for minor repairs from the UWs Building Account gradually increase, while our request for state funding decreases.

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 saving approximately \$100,000 in avoided maintenance costs. In recent years, the UW completed three additional ESCO projects totaling approximately \$12,000,000 in capital improvements saving an additional 10 million kilowatt hour of electricity annually, plus rebate from Seattle City Light and Puget Sound Energy. 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 when appropriate. For example, during several recent major renovation projects, replacement of the electrical and heating infrastructure (typically preservation projects) were combined with the major renovations to ensure that at the end of the project, a more comprehensive and longer lasting solution was provided. 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.

Renewal projects are often necessary to make a building functional for modern teaching and research. For example, communications upgrades are not considered renewal projects in the JLARC Comparable Framework Study, but a building does not meet baseline functional teaching needs without having reliable and efficient modern communications systems in place.

OFM's Comparable Framework Study Update 2016 includes the preservation backlog costs for buildings; but, it omits the cost of preserving the infrastructure between buildings and key infrastructure related facilities, like power plant, utility tunnels, sewer and water systems, pathways/roads and communication networks. Preserving the value and functionality of the infrastructure is equally important to preserving buildings. In some cases, certain infrastructure projects can affect operations across the entire campus. The UW Minor Request list includes numerous critical infrastructure backlog reduction and renewal projects.

Additional funds are needed to address the aging infrastructure between buildings; the UW's major capital request to fund the design phase of the UW District Energy Resource Center is specifically intended to move those improvements forward effectively and cost effectively.

Facility Condition Auditing and Maintenance Planning

UW Facilities Services audits and scores facilities with the same systems-based condition survey as is used for the comparable framework audits, and evaluates building conditions for state buildings annually, by Superior, Adequate, Fair, Limited Functionality, and Marginally Functional.

The buildings are scored using the comparable framework format, with whole buildings scored 1 through 5, by translating various building condition studies and reports as well as previous Comparable Framework conclusions to substantiate the results.

Backlog items are input either when maintenance employees familiar with UW Seattle buildings recognize critical need, when the cyclic renewal schedule flags systems at the end of their useful life, or when 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.

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 an efficient operation and maintenance program which assists management of maintenance backlog growth, however, 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.

As part of operations, Facilities Services performs daily building maintenance and manages a preventive maintenance program to maintain facilities and systems in an attempt to help curb future backlog. The program is prioritizes work orders based on a scale from 1-7 (7 being the most urgent need):

- 1) Can Wait, Little or no impact issue
- 2) Can Wait, Low impact issue (normal building)
- 3) Can Wait, Moderate impact issue
- 4) Needed, Significant impact issue
- 5) Needed, High impact issue
- 6) Urgent, Very high impact issue
- 7) Urgent, Extremely high impact issue

Backlog Reduction Prioritization Process

The minor repair preservation prioritization process flows out of the ongoing facility condition auditing and maintenance planning described above. Capital Planning and Development works with representatives from Facilities Services, Environmental Health and Safety, UW Information Technology, and Classroom Services to develop coordinated 10-year minor capital improvement plans, and to evaluate proposed projects for urgency, opportunity and alignment with institutional priorities. The 10 year minor capital improvement plan is comprised of planned replacement and repair of major building systems based on anticipated life expectancy, as well as emergent repairs.

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 result is a comprehensive list of prioritized projects, grouped by major building system. Projects are planned for completion based on the building and system condition, criticality, and funding availability.

Examples of project categories and projects identified, prioritized and funded in the 2017-19 biennium are shown below.

-FACILITIES SERVICES -

Deferred Maintenance Repairs Minor Capital Bien15-17 Projects

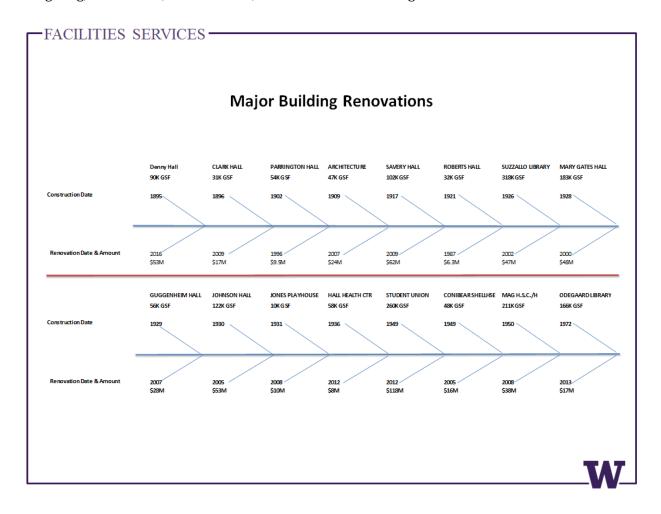




Major Building Renovation Projects

The major capital project preservation prioritization process is also grounded in the facility condition auditing process. The size and complexity of major capital projects involves additional information-gathering and prioritization approval steps. Discussions with University Deans and other key academic leaders are often included in the process 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 given to cost-efficient surge location options. Proposed capital plans are reviewed and approved annually 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:

Continual Facilities Review and Assessment Program

- Maintenance management system to schedule preventive maintenance and inspections of facilities and building equipment;
- Routine maintenance to prolong the life of the facilities and equipment; and
- Corrective maintenance and repairs to avert degradation of facilities or failure of equipment.

Leveraged investments

- Energy Saving Performance Contract (ESCO);
- Energy Conservation and Innovation grant opportunities; and
- Utility Rebate Opportunities.

Minor Works Capital Requests

- 2017-19 Minor Capital Repair Preservation Budget Request total
 - O UW Building Account \$71,400,000
- Future Biennia Minor Repair Capital Budget Request projection
 - Similar levels of funding are requested.
- Minor Capital Preservation Sub-Project Groups
 - o Building Repair and Renewal
 - Mechanical and Electrical Systems Repair and Renewal
 - o Fire and Life Safety Improvements
 - o Data and Communications Infrastructure Improvements
 - Utilities and Site work Repair and Replacement
 - o Roads and Pathways Repair and Renewal
 - Classroom Improvements

Major Proposed Capital Preservation Investments

•	2017-20)19 Capital	l Budget l	Request
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0	Seismic Improvements	\$ 25,000,000
0	UW Tacoma Campus Soil Remediation	\$ 2,500,000
0	Evans School Parrington Hall Remodel	\$ 10,000,000

• Future Biennia Capital Budget Requests

0	Anderson Hall Renovation	\$ 22,000,000
0	Miller Hall Renovation	\$ 54,000,000
0	College of Engineering - Academic Building - Renovation	\$ 100,000,000
0	College of Engineering – Classroom Research Renovation	\$ 50,000,000
0	Health Sciences Education Phase II – T Wing Renovation	\$ 110,000,000
0	Health Sciences Education Phase III – T Wing Renovation	\$ 82,500,000

Funding sources for deferred maintenance

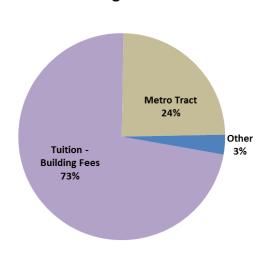
In addition to direct state funding from the state construction bond account 057, the University of Washington relies almost entirely on the UW Building Account to fund minor capital projects which address facility deficiencies, repairs, and maintenance of state-owned facilities. In 2017-19, the UW capital budget request for minor repairs for preservation reflects the institution's need for this continued investment. In recent biennia, the legislature has increasingly relied on the UW Building Account to fund major capital projects at the expense of funding minor projects necessary to repair and preserve existing UW buildings and infrastructure.

The following narrative describes UW Building Account funding sources, state appropriated uses, and discusses the implications of funding decisions which impact this fund's ability to address UW's growing backlog of deferred renewal projects. Background information is provided on the University of Washington Building Account (fund 064) and its associated funds, the UW Bond Retirement Account (348), and the UW Facilities Bond Account (387), from which revenues are transferred¹.

The majority of funding (73 percent) comes from building fees collected as part of undergraduate and graduate, resident and nonresident student tuition fees. Building fees are distributed equally between the UW Building Account and Bond Retirement Account. Decisions on tuition rates and enrollment directly impact the level of funding available for appropriation within these accounts.

After building fees, the next largest portion of funding (24 percent) comes from Metropolitan Tract revenues. The site of the original UW campus in downtown Seattle, the Metro Tract has been leased and developed

Funding Sources



into over 1.5 million square feet of commercial space. Biennially, \$16 million has been distributed from the Metro Tract to the UW Facilities Bond Account (387). Each biennium, about \$6 million of that is used to service law school debt. The balance, in excess of the required debt service reserve, is transferred to the UW Building Account.

The remaining 3 percent of funds are derived from Department of Natural Resources land revenues, UW Permanent Fund income, and State Treasury Office interest income.

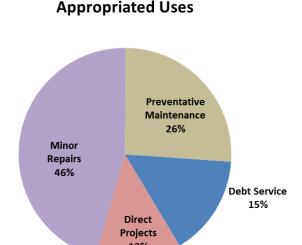
¹ Funds are collected and transferred in accordance with RCW 28B.20.382, and RCW 28B.20.725.

A notable exception to the normal funding sources occurred when proceeds from the 2013 sale of the Wellington Hills property of nearly \$9 million were deposited in the UW Building Account. This transfer provided additional one-time revenue to offset the \$13 million appropriated from the UW Building Account to fund UW Bothell Phase 3.

UW Building Account appropriations in 2015-17

Less than half (46 percent, or about \$43 million) of UW Building Account funds were appropriated for minor capital repairs in the 2015-17 biennial budget. While this investment is helpful, it is not sufficient to significantly impact the estimated \$1.8 billion of deferred renewal and facility modernization needs of the UW.

A combined total of \$54 million, or about 54 percent of UW Building Account funds, was appropriated for expenditures that do not address the deferred renewal backlog for UW facilities. These included \$25.8 million for preventative facility maintenance, a \$15 million re-appropriation for Computer Science and Engineering, and \$16 million in debt service authorized by the Legislature for Denny Hall, Balmer Hall, and for Tacoma and Bothell Phase 3 projects.. Appropriations for debt service not only obligate funds for the next 30 years, but also increase the amount required to be held in reserve to cover debt service payments on an annual basis. Debt issued through state appropriation of UW



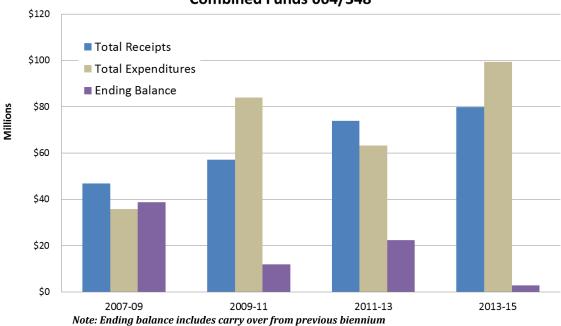
funds also affects the UW's overall capacity to issue debt for other projects.

Trends that affect available funds and remaining balances

The UW Building Account (064), UW Bond Retirement Account (348), and UW Facilities Bond Account (387) funds are not accumulating a reserve. In fact, fund balances in these accounts have been declining over the past few biennia as the legislature appropriated all capital funds, including the required debt service payment reserve (three years of issued debt coverage per RCW 28B.20.725). In the past three biennia, this requirement was temporarily reduced to one year, and temporarily waived altogether in 2013-15 (SB 5035 sec. 7027).

As the chart below shows, total expenditures in excess of receipts over the span of three biennia have resulted in the decline in ending balances. On its current path, the UW Building Account cannot keep pace with the UW's growing deferred renewal and facility modernization needs.

UW Building Account Fund Balances 2007 to 2015 Combined Funds 064/348



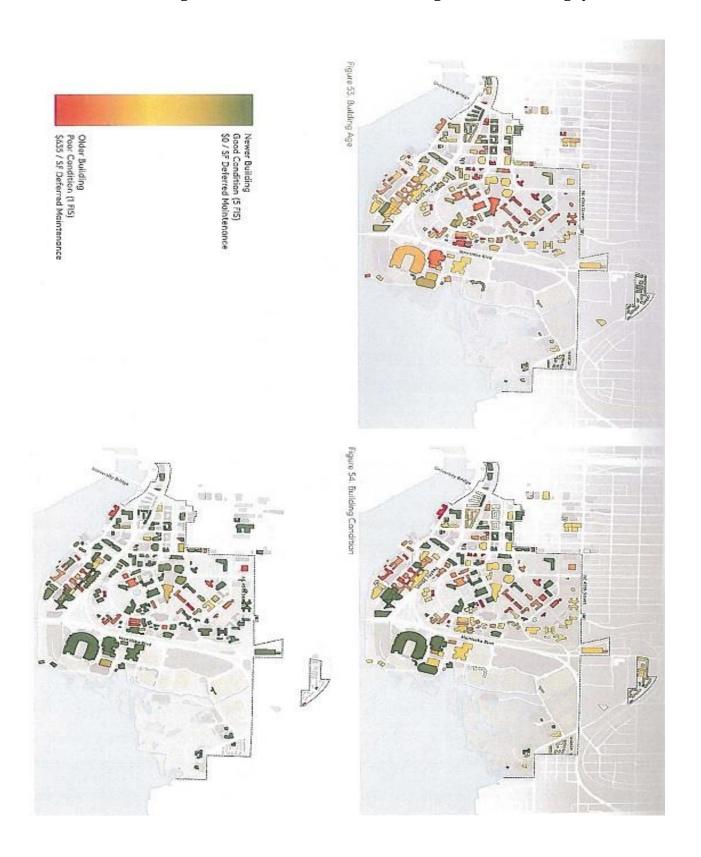
Attachment A: Back Log Reduction Plan

SUMMARY - 2016			
Total Number of Owned Buildings	609		
Total Amount of Owned Space (Gross Square Feet - GSF)	23,240,,495		
Average Building Age *	52Years		
Average Building Condition Score *	2.67		

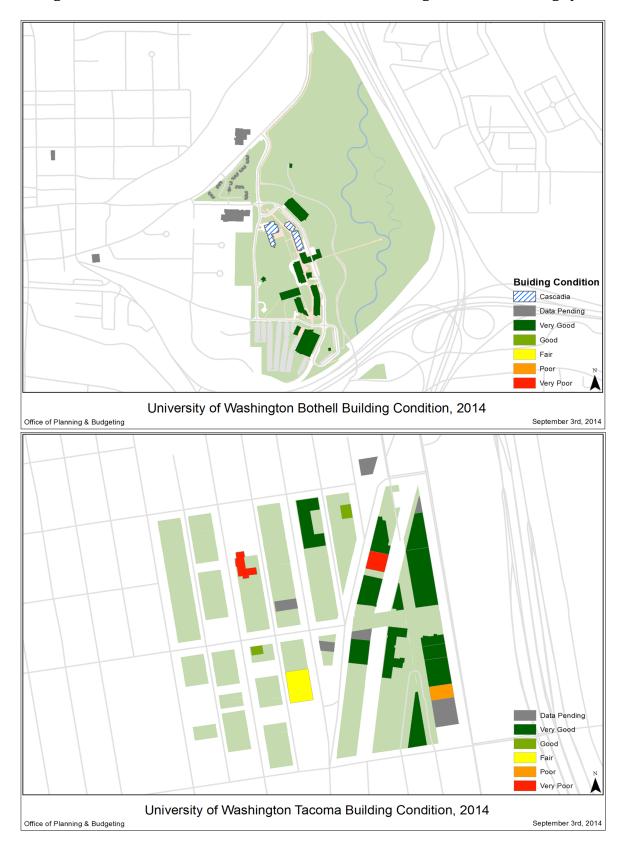
MAJOR CAMPUSES & SITES - 2016					
	#				
Campus or Site Name	BLDGS	GSF			
UW - Friday Harbor	79	107,939			
UW Bothell	23	581,991			
UW Seattle	324	17,837,690			
UW Tacoma	23	968,260			
UW Various Off Campus	162	3,744,615			
TOTAL	610	23,240,495			

SEATTLE CAMPUS BUILDING CONDITIONS - 2016 SURVEY						
Condition Category	# BLDGS	GSF	% of Total GSF			
1 - Superior	33	3,597,129	20%			
2 - Adequate	48	4,344,496	25%			
3 - Fair	142	9,373,516	53%			
4 - Needs Improvement, Limited Functionality	10	371,239	2%			
5 - Needs Improvement, Marginal Functionality	0	0	0			
TOTAL	233	17,686,380	100%			

Attachment B: Back Log Reduction Plan - UW Seattle Building Conditions Scoring System



Back Log Reduction Plan - UW Bothell and UW Tacoma Building Conditions Scoring System





UNIVERSITY of WASHINGTON

TAB B Preservation

- UW Preservation Projects Capital Request Summary
- 2017-2019 Minor Capital Repair Preservation Projects Summary Table
- Capital Project Requests CBS002 and CBS003 Reports
- Request for Reappropriations CBS002 Reports



TAB B UW Preservation Projects - Capital Project Summary

2017-19 Request Background

Minor Capital Repair Preservation - 2017-19 Request

\$71.4 M Total

The University of Washington requests \$71.4 million from the UW Building Account to be appropriated for minor capital preservation projects. Projects in this category are estimated to cost between \$25,000 and \$2 million each and are prioritized as the most urgent of the University's minor capital preservation needs. Sub-projects have been defined within the following broad categories:

<u>Building Repair and Renewal: \$16.825M.</u> 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: \$23.725M. 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 includes the repair and modernization of outdated electrical systems including power generation equipment, campus and building distribution systems and emergency backup power systems.

<u>Roads and Pathways Repair and Renewal: \$4.05M.</u> This group of projects repairs and resurfaces existing roads and pedestrian pathways, and provides lighting upgrades to ensure safe and sufficient circulation through campus.

<u>Utilities and Site Work Repair and Replacement: \$10.8M.</u> 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.

<u>Fire and Life Safety Improvements: \$4.0M</u>. These projects provide fire protection and alarm system upgrades, and other life and workplace safety projects within existing campus buildings.

<u>Data and Communications Infrastructure Improvements: \$5.0M</u>. Modern information technology plays a central role supporting the academic and research mission of the UW. The projects in this

group include 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 system-wide.

<u>UW Bothell Repair and Renewal: \$3.0M.</u> UW Bothell 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 and enhance the student experience.

<u>UW Tacoma Repair and Renewal: \$4.0M.</u> UW Tacoma renewal projects include classroom improvements and building system repair and replacement, as well as sustainability projects including pedestrian/bike path with storm water management utilities and LED lighting, and energy conservation measures, roof and equipment replacements.

Burke Museum - 2017-19 Request

\$24M for Construction Phase

The Burke Museum is requesting \$24 million in 2017-19 state funds to complete the construction of a New Burke Museum adjacent to the location of the previous facility on the University of Washington campus. Construction commenced in the 2015-17 and is on schedule to be completed in the 2017-19 biennium Initially conceived as a renovation project, the proposed project will provide a new, larger building to address the limitations and shortcomings of the previous building. Designated as the Washington State Museum of Natural History and Culture in 1898, the Burke Museum is responsible for the care of state collections of natural and cultural heritage. For 130 years, the museum has cared for objects that show how the Northwest has grown and changed. This project will ensure that the resources of the museum are protected, publicly accessible and the facilities adequate for meaningful public presentations. The State legislature in 2015-17, appropriated partial construction funding. This request is for funding in 2017-19 to complete the facility.

UW Tacoma Soil Remediation - 2017-19 Request

\$2.5M for Soil Remediation

The University of Washington requests \$2.5 million in 2017-19, \$2.5 million in 2019-21 and \$2 million in future biennia for UW Tacoma Campus Soil Remediation. In 1997, the UW signed the existing Agreed Order (DE 97HW-S238) with the Washington State Department of Ecology to fully investigate the nature and extent of environmental contamination and recommend appropriate clean up actions. The Agreed Order, amended March 19, 2013, requires the UW to design, construct, operate, and monitor cleanup actions via a new agreed order with Ecology. The University of Washington and the Department of Ecology will require resources for ongoing remediation of soil and groundwater contamination within areas of Tacoma's historic rail corridor and the manufacturing district in the lower Pacific Avenue neighborhood that is home to UW Tacoma.

Seismic Improvements - 2017-19 Request

\$25M for Construction

The University of Washington requests \$25 million in 2017 19 state funds for seismic improvements to upgrade unreinforced masonry(URM) buildings on the Seattle Campus. Sixteen buildings have been identified to required URM/façade seismic upgrades. The UW has a number of buildings constructed with URM from the late 19th century to the mid 20th Century. At the time little was understood about seismic activity in the Pacific Northwest (PNW) region. In recent years, studies and analysis of the region have determined that the PNW region lies on several major fault lines and is susceptible to major seismic activity. The collapse or structural damage could cause significant danger or injury to students, faculty and the public. Additionally, damaged buildings may result in the closure or suspension of operations affecting teaching and research. Along with the facade and structural improvements, the

UW has identified 25 buildings where the parapets have not been properly braced for seismic events. This project will improve seismic preparedness in buildings on the Seattle Campus. The UW has identified buildings that require work to: improve life safety; minimize structural failure; preserve historic structures; and reduce adverse effects on University operations in the event of an earthquake. The work of this capital program will be in three phases and will begin to reinforce URM walls and reinforce parapets to reduce the risk of collapse of buildings and masonry falling from buildings.

<u>Evans School - Parrington Hall Remodel - 2017-19 Request</u>

\$10M Renovation for Design and Construction Phases

The University of Washington requests \$10 million of 2017-19 state funds for the renovation of Parrington Hall, the Department for the Evans School of Public Policy & Governance. Parrington Hall was constructed in 1902 with the last major renovation in 1988. The floor layouts, classrooms, and building systems have exceeded their useful life. Electrical, mechanical and plumbing/fixtures do not meet current code requirements or standards for energy, efficiency, sustainability or functionality. The learning spaces are currently small classrooms that do not serve contemporary pedagogies which now utilize large classrooms for 40-60 students in team focused active learning configurations. The larger sized classroom will allow for groups to collaborate in team based settings with cost effective faculty/student sizes. Campus wide there is a shortage of classrooms in the 50-90 seat range as revealed by the 2014 UW Learning Space Assessment. Parrington Hall was built in 1902 and is the oldest building in use by the top ten US graduate schools of Public Affairs and Policy (The Daniel J. Evans School of Public Policy and Governance is ranked fourth in the nation). Over the past ten years the number of graduate students enrolled in has doubled. 2014-15, 235 advanced degrees were awarded through the School.

College of Education - Miller Hall Renovation - Future Biennia

\$54M for Predesign, Design and Construction Phases

The University of Washington requests state funding in future biennia for the renovation of Miller Hall. Funding is requested for the Pre Design phase to prepare for a major building renovation of the 73K Gross Square Foot teaching facility. Miller Hall was built in 1922 and was partially renovated in 1962. 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 an integral part of the Seattle campus. Today, all the building systems in Miller Hall are past their useful life and require comprehensive replacement with code-compliant energy conserving, 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. As one of the buildings on the UW's Critical Building List this building is an integral part of the Seattle campus. Miller Hall currently houses the College of Education as serves as a staple classroom facility for the UW for undergraduate and professional studies.

<u>College of the Environment - Anderson Hall Renovation - Future Biennia</u>

\$22M for Design and Construction Phases

The University of Washington requests state funding in future biennia for the Design Phase for the renovation of Anderson Hall. In 2004, Anderson Hall was identified in the "Restore the Core" program that outlined a priority list of buildings in dire need of major restoration. The proposed project renovation project will also address the Priority II ranking by the Earthquake Readiness Advisory Committee (ERAC) report of 1992 which found Anderson Hall in need of extensive structural support strengthening to better resist earthquakes. The proposed renovation 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. Anderson Hall houses the UW College of the Environment: School of Forest Resources, the Ecosystems Sciences and Conservation Department, and the Institute for Forest Resources. Anderson Hall is an office and instructional building.

<u>Health Sciences Education T-Wing Renovation Phase II - Future Biennia</u>

\$110M for Pre-Design, Design and Construction Phases

The University of Washington requests state funds in future biennia to fund the Phase II renovation of the 1973 Magnuson Health Sciences Center T Wing. The Magnuson Health Sciences Center T Wing, which houses the vast majority of health sciences educational activities at the University of Washington, has approximately 235,000 assignable square feet of which 150,000 is

dedicated to instructional space with the majority of the remainder consisting of the large Health Sciences University Library and Information Support space. Nearly all of this space – the educational heart of the health sciences at UW - lacks the flexibility and technologies required for educating our future health sciences professionals. The Phase II Renovation will improve approximately 162,000 GSF of the central portion of the existing seven-story building. Infrastructure improvements to the 40-year building are the highest priority with the goal of extending the life of the facility for another 50 years as a modern health and life sciences educational facility. Increases in the high demand health sciences student enrollment are also a critical reason for the development of additional space and space efficiency improvements in this phase and future phases. UW has evaluated multiple options to address program needs including building replacement and construction of a new facility at an alternative on-campus location. Renewing the existing instructional facility was determined to be the most capital and operating cost effective alternative. This is the second phase of a planned long-term four-phase capital renewal program for central health and life science instructional space at the UW and will reduce the deferred maintenance backlog associated with the building.

<u>College of Engineering Classroom & Research Renovation - Future Biennia</u>

\$50M for Pre-Design, Design and Constructions Phases

The University of Washington requests state funds in future biennia to design the project which serves critical immediate instructional and research needs of the UW College of Engineering. Approximately 13,800 square feet at an estimated total cost of \$150 million will provide engineering research space capacity to support engineering research programs requiring relocation from the former WTC Fluke Hall facility. The most cost efficient mid to long term solution for research needs is utilizing existing UW space. The College of Engineering's Mechanical Engineering Building – an aging classroom and research building in the heart of the existing College of Engineering Precinct will continue to serve general research and classroom needs for the UW for another 40-50 years. The research renovation will be generic and highly flexible to allow long term use as research facilities by multiple UW academic disciplines when/if the College of Engineering moves to new future facilities.

University of Washington 2017-2019 Capital Budget Request

Minor Capital Repair - Preservation

CBS SubProject #	Category	Project Title	Tota	al
30000737	Building Repair & Renewal:	ADA Improvements	\$	500,000
30000738	Building Repair & Renewal:	Anderson Hall Roof Repairs	\$	2,000,000
30000740	Building Repair & Renewal:	Building Exterior Door Refinish/Replacement	\$	200,000
30000741	Building Repair & Renewal:	Building Exterior Envelope Repair	\$	1,600,000
30000742	Building Repair & Renewal:	Building Exterior Masonry Repairs	\$	1,900,000
30000743	Building Repair & Renewal:	Building Exterior Window Repair & Replacement	\$	900,000
30000744	Building Repair & Renewal:	Building Interior Construction	\$	375,000
30000745	Building Repair & Renewal:	Building Interior Flooring	\$	600,000
30000746	Building Repair & Renewal:	Building Interior Painting	\$	600,000
30000747	Building Repair & Renewal:	Building Roof Misc. Repairs	\$	1,150,000
30000748	Building Repair & Renewal:	Roof Replacement - Ethnic Cultural Center	\$	750,000
30000749	Building Repair & Renewal:	Roof Replacements Guthrie Annexes 1 & 2	\$	500,000
30000821	Building Repair & Renewal:	Medium Exterior Envelope Project	\$	150,000
30000751	Building Repair & Renewal:	Small Exterior Envelope Project	\$	100,000
30000752	Building Repair & Renewal:	Large Roof Replacement	\$	2,000,000
30000753	Building Repair & Renewal:	Waterproofing Replacement - MHSC C-Court	\$	2,000,000
30000754	Building Repair & Renewal:	Waterproofing Replacement - Waterfront Activities Center	\$	750,000
30000812	Building Repair & Renewal:	Medium Roof Replacement	\$	750,000
		Building Repair & Renewal	\$	16,825,000
30000755	Mech & Electrical Systems:	Air Handling Unit Replacement	\$	2,000,000
30000756	Mech & Electrical Systems:	Chilled Water Piping Pump & Valve Replacement	\$	600,000
30000757	Mech & Electrical Systems:	Chiller/Cooling Tower Replacement	\$	700,000
30000758	Mech & Electrical Systems:	Computer Automated Access Management System Upgrades	\$	500,000
	•	Cooling Tower Replacement	\$	1,500,000
30000760	Mech & Electrical Systems:	Direct Digital Control System Upgrades	\$	1,800,000
30000761	Mech & Electrical Systems:	Domestic Plumbing Replacement Projects	\$	300,000
30000762	Mech & Electrical Systems:	Electrical Bus Duct & Motor Control Center Replacement	\$	950,000
30000763	Mech & Electrical Systems:	Electrical Energy Metering Program	\$	300,000
30000764	Mech & Electrical Systems:	Electrical Lighting Controls & Fixture Replacements	\$	600,000
		Electrical Transformer & Switchgear Replacement	\$	1,000,000
30000766	Mech & Electrical Systems:	Flevator Renovation	\$	1,000,000
		Elevator Renovation		4 = 00 000
30000768	Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls	\$	1,500,000
	Mech & Electrical Systems:		\$ \$	1,500,000
	Mech & Electrical Systems: Mech & Electrical Systems: Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library	\$ \$	1,500,000 1,500,000
30000770	Mech & Electrical Systems: Mech & Electrical Systems: Mech & Electrical Systems: Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades	\$ \$ \$	1,500,000 1,500,000 200,000
30000770 30000771	Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades Fire Alarm System Upgrades	\$ \$ \$ \$	1,500,000 1,500,000
30000770 30000771	Mech & Electrical Systems: Mech & Electrical Systems: Mech & Electrical Systems: Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades Fire Alarm System Upgrades	\$ \$ \$	1,500,000 1,500,000 200,000
30000770 30000771 30000772	Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades Fire Alarm System Upgrades	\$ \$ \$ \$	1,500,000 1,500,000 200,000 800,000
30000770 30000771 30000772 30000773	Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades Fire Alarm System Upgrades Hot Water Distribution	\$ \$ \$ \$	1,500,000 1,500,000 200,000 800,000 1,900,000
30000770 30000771 30000772 30000773 30000774	Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades Fire Alarm System Upgrades Hot Water Distribution Replacement of Hot Water & Heat Exchangers	\$ \$ \$ \$ \$	1,500,000 1,500,000 200,000 800,000 1,900,000 675,000
30000770 30000771 30000772 30000773 30000774 30000775	Mech & Electrical Systems:	Elevator Renovation - Benson & Loew Halls Elevator Renovation - MHSC T-Wing Elevator Renovation - Odegaard Library Emergency Lighting Upgrades Fire Alarm System Upgrades Hot Water Distribution Replacement of Hot Water & Heat Exchangers Reverse Osmosis Equipment Replacement	\$ \$ \$ \$ \$	1,500,000 1,500,000 200,000 800,000 1,900,000 675,000 300,000

University of Washington 2017-2019 Capital Budget Request

Minor Capital Repair - Preservation

30000777 Mech & Electrical Systems: VFD Replacements/Upgrades	\$	800,000
30000813 Mech & Electrical Systems: Elevator Refurbishment	\$	750,000
30000818 Mech & Electrical Systems: Boiler/Heat Exchanger Replacement - MHSB	\$	75,000
30000819 Mech & Electrical Systems: Boiler/Heat Exchanger Replacement - CHDD	\$	75,000
30000820 Mech & Electrical Systems: Heater Replacement - Hitchcock Hall	\$	100,000
30000817 Mech & Electrical Systems: Cooling Tower/Chilling Replacement	\$	500,000
Mech & Elec System	ms \$	23,725,000
30000778 Roads & Pathways Repairs: Campus Pathway Repairs & Improvements	\$	1,050,000
30000779 Roads & Pathways Repairs: Roadway Repair & Repave - Grant Lane (Phase 1)	\$	1,500,000
30000780 Roads & Pathways Repairs: Roadway Repair & Repave - Pend Oreille Road (Mason to Ste	ver \$	1,500,000
Roads & Pathways Repa	irs \$	4,050,000
30000781 Utilities & Sitework Repairs: Building HV Transformer Replacement	\$	500,000
30000782 Utilities & Sitework Repairs: Building PCB Transformer Replacement	\$	1,500,000
30000783 Utilities & Sitework Repairs: Combined Storm and Sanitary Sewer Separations & Side Sew	er \$	1,100,000
30000784 Utilities & Sitework Repairs: High Voltage Electrical Cable Replacement	\$	1,000,000
30000785 Utilities & Sitework Repairs: Irrigation System Improvements	\$	500,000
30000786 Utilities & Sitework Repairs: Landscaping Improvements	\$	500,000
30000787 Utilities & Sitework Repairs: Medium Voltage Cable, Switch & Breaker Replacement	\$	1,950,000
30000788 Utilities & Sitework Repairs: Potable Main Water Piping & Hydrant replacement	\$	500,000
30000789 Utilities & Sitework Repairs: Power Plant Chilled Water Equipment Replacement	\$	1,000,000
30000790 Utilities & Sitework Repairs: Power Plant Steam Equipment Replacement	\$	1,500,000
30000791 Utilities & Sitework Repairs: Power Plant Utility Support Equipment Replacement	\$	750,000
Utilities & Site Work Repa	irs \$	10,800,000
30000792 Fire & Life Safety: Eyewashes, Showers & General Lab Safety Improvements	\$	300,000
30000793 Fire & Life Safety: Fire Alarm Improvements - Main Campus	\$	1,925,000
30000794 Fire & Life Safety: Fire Alarm Improvements - Plant Services Building	\$	875,000
30000795 Fire & Life Safety: Fire Alarm Improvements - South Campus	\$	525,000
30000796 Fire & Life Safety: Guardrail, hand rail & fall protection	\$	375,000
Fire & Life Safety Improvemen	nts \$	4,000,000
30000797 Data & Comm Infrastructure Complex Utility Upgrades	\$	350,000
30000798 Data & Comm Infrastructure Limited Building Infrastructure Upgrades - Meany & Anderson	n H \$	650,000
30000799 Data & Comm Infrastructure Limited Building Infrastructure Upgrades - Gerberding, Hende	ers \$	400,000
30000800 Data & Comm Infrastructure Upgrade Building Comm Infrastructure - Kane Hall	\$	1,000,000
30000801 Data & Comm Infrastructure Upgrade Building Comm Infrastructure - Loew Hall	\$	600,000
30000802 Data & Comm Infrastructure Upgrade Building Comm Infrastructure - MHSC	\$	2,000,000
Data & Comm Infrastructure Improvemen	nts \$	5,000,000
30000803 UW Bothell Minor Repairs: Building Repair & Renewal	\$	2,000,000
30000804 UW Bothell Minor Repairs: Building Systems & Infrastructure Improvements	\$	1,000,000
UW Both	ell \$	3,000,000
30000805 UW Tacoma Minor Repairs: Building Repair & Renewal	\$	2,000,000
30000806 UW Tacoma Minor Repairs: Building Systems & Infrastructure Improvements	\$	2,000,000

University of Washington 2017-2019 Capital Budget Request

Minor Capital Repair - Preservation

UW Tacoma \$	4,000,000
Minor Capital Repair (Preservation) Total \$	71,400,000

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 2:09PM

Project Number: 20082850
Project Title: Burke Museum

Description

Starting Fiscal Year: 2008

Project Class: Preservation

Agency Priority: 0

Project Summary

The Burke Museum requests a reappropriation of 2015-17 funds and \$24 million in the 2017-19 state funds to complete the construction of a New Burke Museum adjacent to the existing facility located on the University of Washington campus. Construction commenced in 2015-17 and is on schedule to be completed in the 2017-19 biennium. Initially conceived as a renovation project, the proposed project will provide a new, larger building to address the limitations and shortcomings of the existing building. Designated as the Washington State Museum of Natural History and Culture in 1899, the Burke Museum is responsible for the care of state collections of natural and cultural heritage. For 130 years, the museum has cared for objects that show how the Northwest has grown and changed. These scientific and cultural collections are now severely compressed in spaces that lack necessary environmental controls. This project will ensure that the resources of the museum are protected, publicly accessible, and the facilities are adequate for meaningful public presentations. As advised by OFM, the University of Washington is acting as the agent of the Burke Museum for state submittals. The state legislature appropriated funding for predesign in 2009-11 and design funding in 2011-13. In 2015-17, partial funding was appropriated, this request for funding in 2017-19 is for completing the facility.

Project Description

The New Burke Museum project will provide a new and larger building to address the limitations and shortcomings of the existing building, constructed in 1962, is a two-story brick building located on the University of Washington Seattle Campus. 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. In addition to addressing critical collection needs, the project will create an architecturally noteworthy facility that reflects the museum's core institutional values; makes the collections and research accessible and engaging; integrates a cross-disciplinary approach to achieving the museum's vision; and facilitates meaningful visitor engagement with exhibitions, on-site programs, public amenities, and outreach services.

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.

The new 110,000 GSF building will be 60% larger than the current facility. Exhibits and learning spaces will be integrated with working spaces throughout the museum. Improved labs will serve more students, researchers and artists. Larger collections storage spaces and climate control will ensure the Burke can properly care for the objects. The project will also address issues of long-term flexibility and will implement sustainable design practices to achieve a facility that functions efficiently and can be maintained with limited resources. Demolition of the existing Burke Museum and site restoration of the area east of the New Burke Museum between NE 43rd Street, NE 45th Street, and Memorial Way NE for parking and landscape are now included in the project scope.

Location

City: Statewide County: Statewide Legislative District: 098

Project Type

Remodel/Renovate/Modernize (Major Projects)

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 2:09PM

Project Number: 20082850
Project Title: Burke Museum

Description

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
057-1 252-7	State Bldg Constr-State HI Ed N-Prop Lcl Cap-Private/Loca	53,800,000	3,800,000	16,000,000	10,000,000	24,000,000
	Total	53,800,000	3,800,000	16,000,000	10,000,000	24,000,000
		F	uture Fiscal Peri	ods		
057-1 252-7	State Bldg Constr-State HI Ed N-Prop Lcl Cap-Private/Loca	2019-21	2021-23	2023-25	2025-27	
	Total	0	0	0	0	

Schedule and Statistics

	Start Date	End Date
Predesign	04/01/2008	07/01/2011
Design	12/1/2012	6/1/2015
Construction	7/1/2015	6/1/2017
	<u>Total</u>	
Gross Square Feet:	110,000	
Usable Square Feet:	76,000	
Efficiency:	69.1%	
Escalated MACC Cost per Sq. Ft.:	389	
Construction Type:	Museums	
Is this a remodel?	Yes	
A/E Fee Class:	Α	

Cost Summary

A/E Fee Percentage:

Acquisition Costs Total Escalated Cost % of Project 0 0.0%

10.35%

Consultant Services

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 2:09PM

Project Number: 20082850
Project Title: Burke Museum

Cost	Summary	
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		Escalated Cost	% of Project
Consultant Services			
Pre-Schematic Design Services		529,000	0.7%
Construction Documents		144,000	0.2%
Extra Services		1,426,000	1.9%
Other Services		586,685	0.8%
Design Services Contingency		968,654	1.3%
Consultant Services Total		8,412,479	11.2%
aximum Allowable Construction Cost(MACC)	42,787,514		
Site work		0	0.0%
Related Project Costs		0	0.0%
Facility Construction		42,787,514	57.1%
GCCM Risk Contingency		842,560	1.1%
GCCM or Design Build Costs		7,058,547	9.4%
Construction Contingencies		4,919,350	6.6%
Non Taxable Items		0	0.0%
Sales Tax		5,282,757	7.0%
Construction Contracts Total		60,890,727	81.2%
Equipment			
Equipment		967,497	1.3%
Non Taxable Items		0	0.0%
Sales Tax		90,749	0.1%
Equipment Total		1,046,001	1.4%
Art Work Total		213,938	0.3%
Other Costs Total		1,653,267	2.2%
Project Management Total		2,783,673	3.7%
Grand Total Escalated Costs		75,000,085	
Rounded Grand Total Escalated Costs		75,000,000	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20082850	20082850
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 190

Cost Estimate Title: Burke Museum Renovation 17-19

Report Number: CBS003

Date Run: 9/15/2016 2:18PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20082850
Project Title: Burke Museum

Project Phase Title:

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

	st	

Gross Sq. Ft.: 110,000 Usable Sq. Ft.: 76,000 Space Efficiency: 69% MACC Cost per Sq. Ft.: 369 Escalated MACC Cost per Sq. Ft.: 389 Remodel? Construction Type: Museums A/E Fee Class: Α A/E Fee Percentage: 10.35%

Schedule	Start Date	End Date
Predesign:	04-2008	07-2011
Design:	12-2012	06-2015
Construction:	07-2015	06-2017
Duration of Construction (Months):	23	

occi cultillary Econiaton		
Acquisition Costs Total		0
Pre-Schematic Design Services	529,000	
Construction Documents	144,000	
Extra Services	1,426,000	
Other Services	586,685	
Design Services Contingency	968,654	
Consultant Services Total		8,412,479
Site work	0	, ,
Related Project Costs	0	
Facility Construction	42,787,514	
Construction Contingencies	4,919,350	
Non Taxable Items	0	
Sales Tax	5,282,757	
Construction Contracts Total		60,890,727
Maximum Allowable Construction Cost(MACC) 42,787,514		, ,
Equipment	967,497	
Non Taxable Items	0	
Sales Tax	90,749	
Equipment Total		1,046,001
Art Work Total		213,938
Other Costs Total		1,653,267
Project Management Total		2,783,673

Additional Details

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Grand Total Escalated Costs

Yes

75,000,085

75,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 190

Cost Estimate Title: Burke Museum Renovation 17-19

Report Number: CBS003

Date Run: 9/15/2016 2:18PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20082850
Project Title: Burke Museum

Project Phase Title:

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Additional Details

State Construction Inflation Rate: 2.80%
Base Month and Year: 08-2014
Project Administration By: AGY
Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 190 Analysis Date: August 28, 2014

Cost Estimate Title: Burke Museum Renovation 17-19

Detail Title: Burke Museum Renovation

Project Number: 20082850
Project Title: Burke Museum

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Statistics

Gross Sq. Ft.: 110,000 Usable Sq. Ft.: 76,000

Rentable Sq. Ft.:

Space Efficiency: 69% Escalated MACC Cost per Sq. Ft.: 389 Escalated Cost per S. F. Explanation

Construction Type: Museums
Remodel? Yes
A/E Fee Class: A
A/E Fee Percentage: 10.35%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years): 40

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date	
Predesign:	04-2008	07-2011	
Design:	12-2012	06-2015	
Construction:	07-2015	06-2017	
Duration of Construction (Months):	23		
State Construction Inflation Rate:	2.80%		
Base Month and Year:	8-2014		

Project Cost Summary

MACC:	\$ 40,626,200
MACC (Escalated):	\$ 42,787,514
Current Project Total:	\$ 71,534,107
Rounded Current Project Total:	\$ 71,534,000
Escalated Project Total:	\$ 70,236,996
Rounded Escalated Project Total:	\$ 70,237,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services Programming/Site Analysis	529,000			
SubTotal: Pre-Schematic Design Services		529,000	1.0000	529,000
Construction Documents A/E Basic Design Services			_	3,234,890
Allowance to Balance	144,000			
SubTotal: Construction Documents		3,378,890	1.0000	144,000
Extra Services			_	144,000
Geotechnical Investigation	74,000			
Site Survey	49,000			
Other	185,000			
Document Reproduction	69,000			
Graphics	49,000			
Haz Mat Consultant	14,000			
Inter Design/Furnish Consultant	39,000			
Permit Expeditor	39,000			
Specialty Consultants	803,000			
Move Coordination	49,000			
Escalation Allowance	24,000			
Travel and Per Diem	32,000			
SubTotal: Extra Services		1,426,000	1.0000	1,426,000
Other Services Bid/Construction/Closeout			-	1,453,356
Other	60,000			
Commissioning/Training	90,000			
Construction Support	120,000			
Cost/Scheduling Consultant	30,000			
Legal & DRB	75,000			
Testing	175,000			
		2,003,356	1.0532	
SubTotal: Other Services			_	586,685
Design Services Contingency			-	
Design Services Contingency	733,725			
CO Design Allowance	186,000			
SubTotal: Design Services Contingency		919,725	1.0532	968,654
Total: Consultant Services		8,256,971	1.0188	8,412,479
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	40,000,000			
Escalation Adjustment	626,200			
SubTotal: Facility Construction		40,626,200	1.0532	42,787,514
GCCM Risk Contingency GCCM Risk Contingency	800,000		-	
SubTotal: GCCM Risk Contingency			-	842,560
GCCM or Design Build Costs			-	<u> </u>
GCCM Fee	1,940,000			
Bid General Conditions	1,600,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
GCCM Preconstruction Services	862,000			
Negotiated Support Services	2,300,000			
SubTotal: GCCM or Design Build Costs		6,702,000	1.0532	7,058,547
Construction Contingencies			•	
Allowance for Change Orders	4,062,620			
Escalation Contingency	608,240			
SubTotal: Construction Contingencies		4,670,860	1.0532	4,919,350
Sales Tax		5,015,911	1.0532	5,282,757
Total: Construction Contracts	-	57,814,971	1.0532	60,890,727
Maximum Allowable Construction Cost (MACC)		40,626,200	1.0500	42,787,514
EQUIPMENT				
E10 - Equipment	454,000			
E20 - Furnishings	453,000			
SubTotal:		907,000	1.0532	967,497
Sales Tax		86,165	1.0532	90,749
Total: Equipment		993,165	1.0532	1,046,001
ART WORK				
Higher Ed Artwork	213,340			
Total: Art Work		213,938	1.0000	213,938
OTHER COSTS				
Mitigation Costs	19,000			
Other Permits	8,000			
Advertising	5,000			
Metro Connection Fees	120,000			
Financing Costs	37,000			
In Plant Services	120,000			
Utilities/Temporary Facilities	70,000			
Building Permit (Contractor)	441,000			
Claims Review Board	540,000			
Connectivity / IT	92,000			
Builders Risk	160,000			
Total: Other Costs		1,612,000	1.0256	1,653,267
PROJECT MANAGEMENT				
Agency Project Management	1,848,062			
Additional Services	149,000			
Contract Construction Mgmt	600,000			
Preactive PM Fees	46,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
PROJECT MANAGEMENT				
Total: Project Management		2,643,062	1.0532	2,783,673

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 190

Cost Estimate Title: Burke Museum Renovation 17-19

Report Number: CBS003

Date Run: 9/15/2016 2:18PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20082850	20082850
Cost Estimate Number	190	190
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 2:36PM

Project Number: 30000736

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018
Project Class: Preservation

Agency Priority: 0

Project Summary

The University of Washington requests \$72 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 have been defined within the following broad categories: Building Repair and Renewal, Mechanical and Electrical Systems, Utilities and Site Work, Roads and Pathways, Fire and Life Safety Improvements, Data and Communications Infrastructure, UW Bothell Preservation, and UW Tacoma Preservation. All preservation projects aim to preserve and extend the life of existing campus facilities and their supporting infrastructure systems.

Project Description

Building Repair and Renewal: \$16.825M

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: \$21.325M

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 includes the repair and modernization of outdated electrical systems including power generation equipment, campus and building distribution systems and emergency backup power systems.

Roads and Pathways Repair and Renewal: \$4.05M

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

Utilities and Site Work Repair and Replacement: \$10.8M

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.

Fire and Life Safety Improvements: \$4.0M

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: \$5.0M

Modern information technology plays a central role supporting the academic and research mission of the UW. The projects in this group include campus network distribution and building network distribution. Projects included in the current biennium

360 - University of Washington Capital Project Request

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 2:36PM

Project Number: 30000736

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

request are part of a multi-year program to systematically upgrade communication infrastructure system-wide.

UW Bothell Repair and Renewal: \$3.0M

UW Bothell 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 and enhance the student experience.

UW Tacoma Repair and Renewal: \$4.0M

UW Tacoma renewal projects include classroom improvements and building system repair and replacement, as well as sustainability projects including pedestrian/bike path with storm water management utilities and LED lighting, and energy conservation measures, roof and equipment replacements.

Location

City: Seattle County: King Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
064-1	UW Building Account-State	375,508,000				71,400,000
	Total	375,508,000	0	0	0	71,400,000
		ı	Future Fiscal Per	riods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	73,440,000	74,909,000	76,407,000	79,352,000	
	Total	73,440,000	74,909,000	76,407,000	79,352,000	

Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 30000737

SubProject Title: Building Repair & Renewal: ADA Improvements

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 2:39PM

Project Number: 30000737

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Accessibility improvements and accommodations where required by emerging issues and conditions in compliance with the Federal Americans with Disabilities Act

Project Description

Accessibility improvements and accommodations where required by emerging issues and conditions in compliance with the Federal Americans with Disabilities Act.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
			Expenditures	_	2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000
		F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Oper	rating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000737	30000737
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N agricultura es
User Group	Agency Budget	Agency Budget
User Id	gas talis in the first grant passes	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 2:41PM

Project Number: 30000738

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repair gutters and parapet copings to existing flat roofs to prevent further ingress of water into buildings

Project Description

Repair gutters and parapet copings to existing flat roofs to prevent further ingress of water into buildings.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

		Expenditures		2017-19	Fiscal Period
Acct Code Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Account-State	2,000,000			- E	2,000,000
Total	2,000,000	0	. 0	0	2,000,000
ř.	Fi	uture Fiscal Peri	ods		
	2019-21	2021-23	2023-25	2025-27	
064-1 UW Building Account-State					
Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000738	30000738
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	- Park and Special Control of the Special	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 2:42PM

Project Number: 30000740

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Refinish and replace exterior doors that are failing on various campus buildings

Project Description

Refinish and replace exterior doors that are failing on various campus buildings.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

				Expenditures		2017-19 F	iscal Period
Acct Code	Account Title		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State		200,000				200,000
	Total		200,000	0	0	0	200,000
		T	F	uture Fiscal Perio	ods	0-	
			2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State						
	Total		0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000740	30000740
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	to come of the contract of the	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:07PM

Project Number: 30000741

Minor Capital Repair - Preservation - 2017-2019 Request **Project Title:**

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repair and recaulk failing exterior cladding including the repair and replacement of balconies to various campus buildings

Project Description

Repair and recaulk failing exterior cladding including the repair and replacement of balconies to various campus buildings.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,600,000				1,600,000
	Total	1,600,000	0	0	0	1,600,000
		F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000741	30000741
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	-u - u disappi - u - majarah ja	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:08PM

Project Number: 30000742

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Masonry repairs and restoration of brick and terracotta to various campus buildings

Project Description

Masonry repairs and restoration of brick and terracotta to various campus buildings.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling						
Acct Code	Account Title		Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
064-1 UW B	UW Building Account-State		1,900,000				1,900,000
	Total		1,900,000	0 =-	0	0	1,900,000
		ř	F	uture Fiscal Perio	ods	T.	
			2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State						
	Total		0	0	0	0	
Oper	ating Impacts				iviii 458		

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000742	30000742
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	THE THE PERSON NAMED IN COLUMN	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:09PM

Project Number: 30000743

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Stained glass and window replacement around campus to prevent ongoing water penetration into buildings

Project Description

Stained glass and window replacement around campus to prevent ongoing water penetration into buildings.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19 I	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	900,000				900,000
	Total	900,000	0	0	0	900,000
		Fu	ıture Fiscal Peri	ods		1
		2019-21	2021-23	2023-25	2025-27	1
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000743	30000743
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id		All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:09PM

Project Number: 30000744

Minor Capital Repair - Preservation - 2017-2019 Request **Project Title:**

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Minor interior improvements and repair of finishes to multiple existing buildings where required by emergent issues.

Project Description

Minor interior improvements and repair of finishes to multiple existing buildings where required by emergent issues.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Account-State Total	375,000				375,000	
	Total	375,000	0	0	0	375,000
		r	Future Fiscal Peri	ods		1
		2019-21	2021-23	2023-25	2025-27	
064-1 UW Building Account-State						
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000744	30000744
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	me * multi-villuit - a-gara ii sa	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:10PM

Project Number: 30000745

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Removal of existing worn out flooring in heavily trafficked areas and replacement with new durable finishes in multiple existing buildings on campus

Project Description

Removal of existing worn out flooring in heavily trafficked areas and replacement with new durable finishes in multiple existing buildings on campus.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ing					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 l	iscal Period New Approps
064-1	UW Building Account-State	600,000				600,000
	Total	600,000	0	0	0	600,000
	Ĭ					
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Opera	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000745	30000745
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:11PM

Project Number: 30000746

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Interior painting to public spaces in multiple existing buildings

Project Description

Interior painting to public spaces in multiple existing buildings.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Account-State Total	UW Building Account-State	600,000				600,000
	600,000	0	0	0	600,000	
		į Fi	uture Fiscal Peri	ods		ì
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	2:				
	Total	0	0	0	0	

Capital

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:11PM

Project Number: 30000747

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Emergent roof, flashing and coping repairs to multiple buildings

Project Description

Emergent roof, flashing and coping repairs to multiple buildings.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,150,000				1,150,000
	Total	1,150,000	0	0	0	1,150,000
		Fi	ıture Fiscal Peri	ods		
	Ų.	2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State				-	
	Total	0	- 0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000747	30000747
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:12PM

Project Number: 30000748

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replace failing roof on the Ethnic Cultural Center

Project Description

Replace failing roof on the Ethnic Cultural Center.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Acct		Estimated	Expenditures Prior	Current	_	iscal Period New
Code	Account Title	Total	Biennium	Biennium	Reapprops	Approps
064-1	UW Building Account-State	750,000				750,000
	Total	750,000	0	0	0	750,000
		F	Future Fiscal Perio	ods		
	J.	2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000748	30000748
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids
	£ "	

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:13PM

Project Number: 30000749

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Roof, gutter and downspout replacement, add safe access to roof system

Project Description

Roof, gutter and downspout replacement, add safe access to roof system.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ing					
			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000749	30000749
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:15PM

Project Number: 30000821

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Ω

Project Summary

Gutherie Annexes - miscellaneous cladding repair and paint

Project Description

Gutherie Annexes - miscellaneous cladding repair and paint

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19 i	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	150,000				150,000
	Total	150,000	0	0	0	150,000
	· ·	Fu	uture Fiscal Peri	ods	- 1	
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000821	30000821
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	* I was in a second	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:17PM

Project Number: 30000751

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Gould Hall balcony and railing repairs

Project Description

Gould Hall balcony and railing repairs

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	100,000				100,000
	Total	100,000	0	0	0	100,000
		F	Future Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000751	30000751
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:18PM

Project Number: 30000752

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

MHSC Magnuson Court waterproofing replacement.

Project Description

MHSC Magnuson Court waterproofing replacement.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
064-1	UW Building Account-State	2,000,000				2,000,000
	Total	2,000,000	0	0	0	2,000,000
î		F	uture Fiscal Perio	ods		
1		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Oper	ating impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000752	30000752
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:19PM

Project Number: 30000753

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

- reservatio

Project Summary

Remove and replace failing waterproof membrane system to MHSC C-Court outdoor area

Project Description

Remove and replace failing waterproof membrane system to MHSC C-Court outdoor area.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

				Expenditures		2017-19	Fiscal Period
Acct Code	Account Title		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
		r r	F	uture Fiscal Perio	ods		
		1	2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State						
	Total		0	0	0	0	
Oper	ating Impacts						

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000753	30000753
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	and the same of th	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:19PM

Project Number: 30000754

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Remove and replace failing patio waterproofing membrane system to patio area of the Waterfront Activities Center (WAC)

Project Description

Remove and replace failing patio waterproofing membrane system to patio area of the Waterfront Activities Center (WAC).

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	750,000				750,000
	Total	750,000	0	0	0	750,000
						9
	24	F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000754	30000754
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	tritaria	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:20PM

Project Number: 30000812

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Fleet services roof replacement

Project Description

Fleet services roof replacement

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19 F	iscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	750,000				750,000
	Total	750,000	0	0	0	750,000
H		F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000812	30000812
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:35PM

Project Number: 30000755

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of main air handling units in various campus buildings based on UW Facilities Services life expectancy replacement schedule

Project Description

Replacement and modernization of main air handling units in various campus buildings on UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	2,000,000			NI .	2,000,000
	Total	2,000,000	0	0	0	2,000,000
			1			
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000755	30000755
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N Thisper concerns
User Group	Agency Budget	Agency Budget
User Id	oneus sans Sport a ser a direct	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:36PM

Project Number: 30000756

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of chilled water piping, pumps and valves to various buildings based on UW Facilities Services life expectancy replacement schedule

Project Description

Replacement and modernization of chilled water piping, pumps and valves to various buildings based on UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19 Fiscal Peri	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	600,000				600,000
	Total	600,000	0	0	0	600,000
			1			
	•	F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000756	30000756
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:36PM

Project Number: 30000757

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement of chillers and associated cooling towers to various campus buildings based on the UW Facilities Services life expectancy replacement schedule

Project Description

Replacement of chillers and associated cooling towers to various campus buildings based on the UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
			Expenditures		2017-19	iscal Period
Acct Code	Account Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	700,000				700,000
	Total	700,000	0	0	0	700,000
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	90				
	Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000757	30000757
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:37PM

Project Number: 30000758

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Software upgrades to existing the Computer Automated Access Management System to ensure system wide compatibility

Project Description

Software upgrades to existing the Computer Automated Access Management System to ensure system wide compatibility.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

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		Expenditures			2017-19 Fiscal Period	
Acct Code Account Title		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Accour	nt-State	500,000		K.		500,000
Total	Total	500,000	0	0	0	500,000
		Fu	ıture Fiscal Perio	ods		
,		2019-21	2021-23	2023-25	2025-27	

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Operating Impacts

064-1 UW Building Account-State Total

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000758	30000758
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:37PM

Project Number: 30000759

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of existing cooling towers to Chemistry Building and MHSC B & BB wings

Project Description

Replacement and modernization of existing cooling towers to Chemistry Building and MHSC B & BB wings.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

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		Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
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

1		r dtare r iscai i erious				
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000759	30000759
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:38PM

Project Number: 30000760

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Upgrades to existing Direct Digital Control systems to optimize ventilation system efficiencies and reduce energy

Upgrades to existing Direct Digital Control systems to optimize ventilation system efficiencies and reduce energy.

Location

City: Seattle

County: King

Legislative District: 043

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Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Total

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		Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title	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
	8	T	Future Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	39
064-1	UW Building Account-State	-		E .		

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000760	30000760
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	· ing conducting grit copy. Totally a d	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:38PM

Project Number: 30000761

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Replace domestic water piping in Guthrie Annexes 1, 2 & 4

Project Description

Replace domestic water piping in Guthrie Annexes 1, 2, & 4.

Location

City: Seattle

County: King

Legislative District: 043

0

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Total

Funding

		Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State Total	300,000				300,000
		300,000	0	0	0	300,000
			Future Fiscal Periods			
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State				-	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000761	30000761
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:39PM

Project Number: 30000762

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of high voltage bus ducts and motor control centers in various buildings to meet electrical

Project Description

Replacement and modernization of high voltage bus ducts and motor control centers in various buildings to meet electrical

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

	Account Title	Expenditures			2017-19 Fiscal Period	
Acct Code		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State Total	950,000				950,000
		950,000	0	0	0	950,000
	1					
		Fi	uture Fiscal Perio			
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000762	30000762
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:40PM

Project Number: 30000763

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Installation of electrical meters to various campus buildings to measure and manage energy consumption

Project Description

Installation of electrical meters to various campus buildings to measure and manage energy consumption.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

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			Expenditures	2017-19 Fiscal Period		
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	300,000				300,000
	Total	300,000	0	0	0	300,000
		F 2019-21	Future Fiscal Peri 2021-23	ods 2023-25	2025-27	

Total

064-1 UW Building Account-State

0 0

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000763	30000763
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	-	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 3:43PM

Project Number: 30000764

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Upgrades to existing building lighting controls and replacement of existing low efficiency lighting fixtures to reduce energy

Project Description

Upgrades to existing building lighting controls and replacement of existing low efficiency lighting fixtures to reduce energy.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

From Alberta

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	600,000				600,000
Tot	Total	600,000	0	0	0	600,000
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000764	30000764
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	n. topic many a resultant and a	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 3:43PM

Project Number: 30000765

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of high voltage electrical transformers and switchgear in various buildings based on UW Facilities Services life expectancy replacement schedule

Project Description

Replacement and modernization of high voltage electrical transformers and switchgear in various buildings based on UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
	li li			1		
		Fı	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000765	30000765
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:02PM

Project Number: 30000766

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repairs to existing elevators including motors, cables, hydraulic jacks and pistons to various buildings around campus

Project Description

Repairs to existing elevators including motors, cables, hydraulic jacks and pistons to various buildings around campus.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
			Expenditures	3	2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
			Future Fiscal Per	riods		
		2019-21	2021-23	2023-25	2025-27	-
064-1	UW Building Account-State					
	Total .	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000766	30000766
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:16PM

Project Number: 30000767

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Λ

Project Summary

Elevator cab, mechanics and controls removal and replacement to meet current elevator codes for Benson and Loew Hall

Project Description

Elevator cab, mechanics and controls removal and replacement to meet current elevator codes for Benson and Loew Hall.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Funding .

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			2017-19 Fiscal Period			
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	- O	0	0	1,500,000

		Future Fiscal Periods				
1		2019-21	2021	-23	2023-25	2025-27
064-1	UW Building Account-State					
	Total	0		0	0	0

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000767	30000767
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:16PM

Project Number: 30000768

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Elevator cab, mechanics and controls removal and replacement to meet current elevator codes for MHSC T-Wing

Project Description

Elevator cab, mechanics and controls removal and replacement to meet current elevator codes for MHSC T-Wing.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling		Expanditures		2047.40	Figural David
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	Reapprops	Fiscal Period New Approps
064-1	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000
	ī	Fu	uture Fiscal Perio	ods		
	1	2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000768	30000768
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	* - =	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:17PM

Project Number: 30000769

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Elevator cab, mechanics and controls removal and replacement to meet current elevator codes for Odegaard Library

Project Description

Elevator cab, mechanics and controls removal and replacement to meet current elevator codes for Odegaard Library.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
Acct	Account Title	Estimated	Expenditures Prior	Current	_	Fiscal Period New
Code		Total	Biennium	Biennium	Reapprops	Approps
064-1	UW Building Account-State	1,500,000		7		1,500,000
	Total	1,500,000	0	0	0	1,500,000
ř		F	uture Fiscal Perio	ods		
064-1	UW Building Account-State	2019-21	2021-23	2023-25	2025-27	
00 F-1	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000769	30000769
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:18PM

Project Number: 30000770

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of existing emergency lighting fixtures in various buildings to provide safe egress in case of emergency and meet current fire codes

Project Description

Replacement and modernization of existing emergency lighting fixtures in various buildings to provide safe egress in case of emergency and meet current fire codes.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	200,000				200,000
	Total	200,000	0	0	0	200,000
		Fu	iture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000770	30000770
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel-	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:18PM

Project Number: 30000771

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Improve detection and upgrade fire alarm devices in the Central Plaza Garage, Fluke Hall and the Purchasing and Accounting Building to meet current fire codes

Project Description

Improve detection and upgrade fire alarm devices in the Central Plaza Garage, Fluke Hall and Purchasing and Accounting Building to meet current fire codes.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

		Expenditures			2017-19 Fiscal Period		
Acct Code	Account Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps	
064-1	UW Building Account-State	800,000				800,000	
	Total	800,000	0	0	0	800,000	
		j					
100		F	uture Fiscal Perio	ods			
		2019-21	2021-23	2023-25	2025-27		
064-1	UW Building Account-State						
	Total	0	0	0	0		

No Operating Impact

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000771	30000771
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	CONTROL CONTROL OF THE STREET	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:19PM

Project Number: 30000772

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of hot water piping, pumps and valves in various buildings based on UW Facilities Services life expectancy replacement schedule

Project Description

Replacement and modernization of hot water piping, pumps and valves in various buildings based on UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,900,000	764			1,900,000
	Total	1,900,000	0	0	0	1,900,000
	Ţ.				- 1	
		Fι	iture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000772	30000772
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	en Bar Ferano ence-aciono ence	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:19PM

Project Number: 30000773

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of heat exchangers and hot water heaters in MHSC B & BB wings and Marine Sciences based on UW Facilities Services life expectancy schedule

Project Description

Replacement and modernization of heat exchangers and hot water heaters in MHSC B & BB wings and Marine Sciences based on UW Facilities Services life expectancy schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

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-	ш		ų J	ш		LZ.

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	675,000				675,000
	Total	675,000	0	0	0	675,000
		Fi	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

No Operating Impact

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000773	30000773
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	term in property was a property	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:20PM

Project Number: 30000774

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replace reverse osmosis lab water equipment in CHDD, Hitchcock and MHSC G-Wing

Project Description

Replace reverse osmosis lab water equipment in CHDD, Hitchcock and MHSC G-Wing.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	300,000				300,000
	Total	300,000	0	0	0	300,000
	Transfer of	Fi	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	· ·				
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000774	30000774
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:20PM

Project Number: 30000775

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of heat pumps in various buildings based on UW Facilities Services life expectancy replacement schedule

Project Description

Replacement and modernization of heat pumps in various buildings based on UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding Expenditures 2017-19 Fiscal Period Acct **Estimated** Prior Current New Code **Account Title** Reapprops Total **Biennium Biennium Approps** 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** 2019-21 2021-23 2023-25 2025-27 064-1 UW Building Account-State **Total** 0 0 0 0

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000775	30000775
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	- 3 · *	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:21PM

Project Number: 30000776

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of steam piping, pumps and valves to various buildings based on UW Facilities Services life expectancy replacement schedule

Project Description

Replacement and modernization of steam piping, pumps and valves to various buildings based on UW Facilities Services life expectancy replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
064-1	UW Building Account-State	800,000				800,000
	Total	800,000	0	0	0	800,000
	¥	F	uture Fiscal Perio	ods		
064-1	LINAL D. Vildim or A account Chats	2019-21	2021-23	2023-25	2025-27	
004-1	UW Building Account-State Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000776	30000776
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	U.S. A. Stein and C. S. Maria and S.	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:21PM

Project Number: 30000777

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Upgrade air handling unit single speed fan motors to variable frequency drive (VFD) controllers to reduce energy use

Project Description

Upgrade air handling unit single speed fan motors to variable frequency (VFD) drive controllers to reduce energy use.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

		Expenditures		2017-19 F	iscal Period
Acct Code Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Account-State	800,000				800,000
Total	800,000	0	0	0	800,000
ř	Fu	ıture Fiscal Peri	ods		
	2019-21	2021-23	2023-25	2025-27	
064-1 UW Building Account-State					
Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000777	30000777
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	constitution of the second	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:22PM

Project Number: 30000813

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Magnuson Health Sciences Center F-Wing elevator #021 Renewal

Project Description

Magnuson Health Sciences Center F-Wing elevator #021 Renewal

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	750,000				750,000
	Total	750,000	0	0	0	750,000
		F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

Parameter	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000813	30000813
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N Reference (**)
User Group	Agency Budget	Agency Budget
User Id	* In the State of the State of	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:34PM

Project Number: 30000818

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Magnuson Health Sciences Building B-Wing South water heater strainer

Project Description

Magnuson Health Sciences Building B-Wing South water heater strainer

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

			Expenditures		2017-19 F	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	75,000				75,000
	Total	75,000	0	0	0	75,000
	1	Fı	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As		
Biennium	2017-19	2017-19		
Agency	360	360		
Version	03-A	03-A		
Project Classification	*	All Project Classifications		
Capital Project Number	30000818	30000818		
Sort Order	Project Priority	Priority		
Include Page Numbers	Y	Yes		
For Word or Excel	N	N strangenou		
User Group	Agency Budget	Agency Budget		
User Id	· were - 4 us sup up a	All User Ids		

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:35PM

Project Number: 30000819

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Center on Human Development and Disability hot water tank replacement

Project Description

Center on Human Development and Disability hot water tank replacement

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

		Expenditures			2017-19 Fiscal Period		
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps	
064-1 UW Building Account-State Total	UW Building Account-State	75,000				75,000	
	Total	75,000	0	0	0	75,000	
		Future Fiscal Periods					
		2019-21	2021-23	2023-25	2025-27		
064-1	UW Building Account-State						
	Total	0	0	0	0		
Oper	ating Impacts		CHARLES AND				

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000819	30000819
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:35PM

Project Number: 30000820

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Hitchcock Hall lab and portable hot water heater replacement

Project Description

Hitchcock Hall lab and portable hot water heater replacement

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

		Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	100,000				100,000
	Total	100,000	0	0	0	100,000

Future Fiscal Periods

2019-21	2021-23	2023-25	2025-27
	0	0	0

Operating Impacts

064-1 UW Building Account-State

Total

No Operating Impact

Narrative

This is an upgrade of an existing system

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000820	30000820
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	* 1 to page to the	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:36PM

Project Number: 30000817

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Music Building chiller replacement

Project Description

Music Building chiller replacement.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

F	11	n	d	Ĭ	n	α	

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000
		Fu	ıture Fiscal Peri	ods		T
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000817	30000817
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N The state of the
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:40PM

Project Number: 30000778

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repairs and improvements to the Burke Gilman Trail and campus pathways, including street lighting and mitigation of slip, trip and fall hazards to provide safe movement of pedestrians and cyclists through campus

Project Description

Repairs and improvements to the Burke Gilman Trail and campus pathways, including street lighting and mitigation of slip, trip and fall hazards to provide safe movement of pedestrians and cyclists through campus.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,050,000	*		1 2	1,050,000
	Total	1,050,000	0	0	0	1,050,000
		Fi	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State		-			
	Total	0	0	0	0	

Capital Project Request

Parameter	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000778	30000778
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N sellere
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:41PM

Project Number: 30000779

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Λ

Project Summary

Roadway repairs and improvements to Grant Lane to provide safe movement of vehicles and public transportation through

Project Description

Roadway repairs and improvements to Grant Lane to provide safe movement of vehicles and public transportation through campus.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

		•		2017-19	Fiscal Period
Account Title			Biennium	Reapprops	New Approps
064-1 UW Building Account-State Total	1,500,000)			1,500,000
	1,500,000	0	0	0	1,500,000
) i				
		Future Fiscal Per	riods		
	2019-2	1 2021-23	2023-25	2025-27	
UW Building Account-State					
Total		0	0	0	
	UW Building Account-State Total UW Building Account-State	Account Title Total UW Building Account-State 1,500,000 Total 1,500,000 2019-2 UW Building Account-State	Estimated Prior Total Biennium	Account Title Total Biennium Biennium UW Building Account-State 1,500,000 0 0 Future Fiscal Periods 2019-21 2021-23 2023-25 UW Building Account-State	Second Title

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000779	30000779
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N Settlement
User Group	Agency Budget	Agency Budget
User Id		All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:41PM

Project Number: 30000780

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Roadway repairs and improvements to Pend Oreille road (Mason to Stevens) to provide safe movement of vehicles and public transportation through campus

Project Description

Roadway repairs and improvements to Pend Oreille road (Mason to Stevens) to provide safe movement of vehicles and public transportation through campus

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

				Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	8	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State		1,500,000				1,500,000
	Total		1,500,000	0	0	0	1,500,000
			F	uture Fiscal Perio	ds		×
			2040.24	2024 22	2022 25	2025 27	

064-1 UW Building Account-State Total

2013-21	2021-23	2023-23	2023-21
0	0	0	0

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000780	30000780
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	- march otherwise or ten 19, enc. to	All User ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:43PM

Project Number: 30000781

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement of high voltage building transformers based on UW Facilities Services life expectancy replacement program

Project Description

Replacement of high voltage building transformers based on UW Facilities Services life expectancy replacement program.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000
		, Fe	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
-	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000781	30000781
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	* · · · · · · · · · · · · · · · · · · ·	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:43PM

Project Number: 30000782

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Ongoing replacement of PCB containing transformers in MHSC T-Wing as part of UW Facilities Services PCB transformer replacement program to ensure efficient and safe operation

Project Description

Ongoing replacement of PCB containing transformers in MHSC T-Wing as part of UW Facilities Services PCB transformer replacement program to ensure efficient and safe operation.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Account-State Total	UW Building Account-State	1,500,000				1,500,000
	1,500,000	0	- 0	0	1,500,000	
					1	
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State		- 12			
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000782	30000782
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:44PM

Project Number: 30000783

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Separation of combined sanitary and storm water sewer lines and replacement of failing side sewers to several campus buildings including Architecture Hall, Atmospheric Sciences, Lewis Hall, Communications, Eagleson Hall, Fisheries and Gowen Hall to meet City of Seattle discharge permit requirements

Project Description

Separation of combined sanitary and storm water sewer lines and replacement of failing side sewers to several campus buildings including Architecture Hall, Atmospheric Sciences, Lewis Hall, Communications, Eagleson Hall, Fisheries and Gowen Hall to meet City of Seattle discharge permit requirements.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
	_		Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,100,000				1,100,000
	Total	1,100,000	0	. 0	0	1,100,000
		er Fr	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State		= =			
	Total	0	0	0	0	
Oper	rating Impacts					De la company

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000783	30000783
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids
For Word or Excel User Group	N	N Agency Budget

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:44PM

Project Number: 30000784

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Replacement of existing high voltage electrical cables based on UW Facilities Services life expectancy replacement program

Project Description

Replacement of existing high voltage electrical cables based on UW Facilities Services life expectancy replacement program.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling		Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
	a g	F	uture Fiscal Perio	ods	1	
	II.	2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State			8		
	Total	0	0	0	0	
Oper	ating Impacts					Mark Committee

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000784	30000784
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id		All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:45PM

Project Number: 30000785

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Irrigation system improvements including piping and controllers around several campus buildings to reduce use of water including the Art Building and Thompson Hall

Project Description

Irrigation system improvements including piping and controllers around several campus buildings to reduce use of water including the Art Building and Thompson Hall.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling			N. F. Marie		
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 I	Fiscal Period New Approps
064-1	UW Building Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000
	0					
		F	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000785	30000785
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id		All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:45PM

Project Number: 30000786

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Renovation of existing landscaping including pathway lighting to improve safety around the Center on Human Development and Disability (CHDD) and other buildings around campus

Project Description

Renovation of existing landscaping including pathway lighting to improve safety around the Center on Human Development and Disability (CHDD) and other buildings around campus.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ing						
		Expenditures			2017-19	2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps	
064-1 UW Building Account-State	UW Building Account-State	500,000				500,000	
	Total	500,000	0	0	0	500,000	
		- F	uture Fiscal Peri	ods			
		2019-21	2021-23	2023-25	2025-27		
064-1	UW Building Account-State						
	Total	0	0	0	0		
Oper	ating Impacts						

Capital Project Request

Parameter	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000786	30000786
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	merchanic do minimo	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:46PM

Project Number: 30000787

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Medium voltage switch, switch monitoring (SCADA), cable and sub station circuit breaker replacements based on UW Facilities Services life expectancy replacement program

Project Description

Medium voltage switch, switch monitoring (SCADA), cable and sub station circuit breaker replacements based on UW Facilities Services life expectancy replacement program.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,950,000				1,950,000
	Total	1,950,000	0	0	0	1,950,000
		K ×				
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

Darameter	Entropy 4.4 a	
<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000787	30000787
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids
User Id		All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:46PM

Project Number: 30000788

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement of potable water main utility lines and associated fire hydrants based on UW Facilities Services life expectancy

replacement schedule

Project Description

Replacement of potable water main utility lines and associated fire hydrants based on UW Facilities Services life expectancy

replacement schedule.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling					
			Expenditures		2017-19	iscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
_	UW Building Account-State	500,000				500,000
	Total	500,000	0	0	0	500,000
			1			
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	Ti				
	Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000788	30000788
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N 0 great
User Group	Agency Budget	Agency Budget
User Id	Extract products or o	All User lds

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:47PM

Project Number: 30000789

Minor Capital Repair - Preservation - 2017-2019 Request **Project Title:**

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repairs and replacement of Power Plant equipment associated with chilled water generation based on UW facilities life expectancy replacement program

Project Description

Repairs and replacement of Power Plan equipment associated with chilled water generation based on UW facilities life expectancy replacement program.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
		Fu	ıture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000789	30000789
Sort Order	Project Priority	Priority
include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	ung ng malak na na matawa n	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:47PM

Project Number: 30000790

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repairs and replacement of Power Plant steam generation equipment based on UW facilities life expectancy replacement

program

Project Description

Repairs and replacement of Power Plant steam generation equipment based on UW facilities life expectancy replacement

program.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
•	UW Building Account-State	1,500,000				1,500,000
	Total	1,500,000	0	0	0	1,500,000
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	- 0	0	
Oner	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000790	30000790
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	* 1	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:48PM

Project Number: 30000791

Minor Capital Repair - Preservation - 2017-2019 Request **Project Title:**

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repairs and replacement of Power Plant utility support equipment associated based on UW facilities life expectancy replacement program

Project Description

Repairs and replacement of Power Plan utility support equipment associated based on UW facilities life expectancy replacement program.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding						
Acct Code Account Title		Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 l	Fiscal Period New Approps
064-1 UW Building Accord	UW Building Account-State	750,000				750,000
Total		750,000	0	0	0	750,000
Ĭ.						
		Fi	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1 UW Building Accor	unt-State					
Total		0 -	0	0	0	
Operating Impacts						

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000791	30000791
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:55PM

Project Number: 30000792

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Ongoing improvements to eyewashes, showers and other safety equipment to maintain operability in case of a chemical

emergency

Project Description

Ongoing improvements to eyewashes, showers and other safety equipment to maintain operability in case of a chemical emergency.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	ling						
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19	Fiscal Period New Approps	
064-1	UW Building Account-State Total	300,000			**	300,000	
		300,000	0	0	0	300,000	
		Future Fiscal Periods					
		2019-21	2021-23	2023-25	2025-27		
064-1	UW Building Account-State						
	Total	0	0	0	0		
Oper	rating Impacts						

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000792	30000792
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	and the light frame of the first of the bary some	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:55PM

Project Number: 30000793

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replace aged fire alarm systems with new panels, low voltage wiring, horns and strobes to meet current Fire Code requirements in various buildings

Project Description

Replace aged fire alarm systems with new panels, low voltage wiring, horns and strobes to meet current Fire Code requirements in various buildings.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

	Expenditures			2017-19 Fiscal Period	
int Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
UW Building Account-State Total	1,925,000				1,925,000
	1,925,000	0	0	0	1,925,000
			1		
	Fu	ıture Fiscal Perio			
	2019-21	2021-23	2023-25	2025-27	
UW Building Account-State Total		E =			
	0	0	0	0	
	Total Juilding Account-State	Total	Estimated Prior Biennium	Estimated Prior Current Biennium Biennium	Estimated Prior Current Reapprops

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000793	30000793
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:56PM

Project Number: 30000794

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replace fire alarm devices, horns and strobes to meet current Fire Code requirements

Project Description

Replace fire alarm devices, horns and strobes to meet current Fire Code requirements.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

	Expenditures 2017-1			2017-19	Fiscal Period
Acct Code Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1 UW Building Account-State	875,000				875,000
Total	875,000	0	0	0	875,000
=	Fi	uture Fiscal Perio	ods	*	
	2019-21	2021-23	2023-25	2025-27	
064-1 UW Building Account-State					
Total	0	0	0 :	0	
Operating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000794	30000794
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:56PM

Project Number: 30000795

Minor Capital Repair - Preservation - 2017-2019 Request Project Title:

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replace aged fire alarm system with new panel, low voltage wiring, horns and strobes to meet current Fire Code requirements in various buildings

Project Description

Replace aged fire alarm systems with new panel, low voltage wiring, horns and strobes to meet current Fire Code requirements

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Func	ing					
	•		Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	525,000				525,000
	Total	525,000	· O	0	0	525,000

		Future Fiscal Periods				
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State			=_		
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000795	30000795
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	* Harrist of polyments and the	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:57PM

Project Number: 30000796

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

General improvements to campus pathways and exterior stairs to increase safety from slipping and falling hazards

Project Description

General improvements to campus pathways and exterior stairs to increase safety from slipping and falling hazards.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title		Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State		375,000				375,000
	Total		375,000	0	0	0	375,000
		1	Fu	uture Fiscal Perio	ods	9	
			2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	,				<u></u>	
	Total		0	0	0	0	
Oper	ating Impacts					STOTA CONSIGN	TSO BEVIL

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	∃1 ★	All Project Classifications
Capital Project Number	30000796	30000796
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	and the same	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 4:59PM

Project Number: 30000797

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Hutchinson Hall, the Law School and other campus buildings

Agency Priority:

Project Summary

Copper and fiber cabling from communication hubs to campus buildings in new, expanded or existing pathways as required to

Project Description

Copper and fiber cabling from communication hubs to campus buildings in new, expanded or existing pathways as required to Hutchinson Hall, the Law School and other campus buildings.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	350,000				350,000
	Total	350,000	0	0	0	350,000
		Fu	uture Fiscal Peri	ods	8 8	
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					72
	Total	- 0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000797	30000797
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 4:59PM

Project Number: 30000798

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Improvements to building communication infrastructure and support including HVAC, power and security etc. to Meany and

Anderson Halls

Project Description

Improvements to building communication infrastructure and support including HVAC, power and security etc. to Meany and

Anderson Halls.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

		Expenditures		2017-19	Fiscal Period
Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
UW Building Account-State	650,000				650,000
Total	650,000	0	0	0	650,000
		1			
	F	uture Fiscal Peri	ods		
¥6	2019-21	2021-23	2023-25	2025-27	
UW Building Account-State					
Total	0	0	0	0	
	UW Building Account-State Total UW Building Account-State	Account Title UW Building Account-State 650,000 Total 650,000 Figure 2019-21 UW Building Account-State	Estimated Prior Biennium	Estimated Prior Current	Estimated Total Biennium Reapprops

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000798	30000798
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N III PURSUIN WALL
User Group	Agency Budget	Agency Budget
User Id	The state of the s	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:00PM

Project Number: 30000799

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Improvements to building communication infrastructure and support including HVAC, power and security etc to various campus buildings including Gerberding, Henderson & Physics Astronomy

Project Description

Improvements to building communication infrastructure and support including HVAC, power and security etc. to various campus buildings including Gerberding, Henderson & Physics Astronomy.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	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
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000799	30000799
Sort Order	Project Priority	Priority
Include Page Numbers	Y 10 25	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:00PM

Project Number: 30000800

Project Title: Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Complex communications upgrades to Kane Hall that will require architectural and engineering development for acquiring space, designing pathways and installing fiber and copper.

Project Description

Complex communications upgrades to Kane Hall that will require architectural and engineering development for acquiring space, designing pathways and installing fiber copper.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

nt Title illding Account-State	Estimated Total	Prior Biennium	Current Biennium	Pospprope	New
ilding Assount State			Dienillulli	Reapprops	Approps
muling Account-State	1,000,000				1,000,000
Total	1,000,000	0	0	0	1,000,000
			ł		
	F	uture Fiscal Perio	ods		
	2019-21	2021-23	2023-25	2025-27	
ilding Account-State					
Total	0	0	0	0	
	ilding Account-State	illding Account-State	Future Fiscal Period 2019-21 2021-23 iilding Account-State	Future Fiscal Periods 2019-21 2021-23 2023-25 iilding Account-State	Future Fiscal Periods 2019-21 2021-23 2023-25 2025-27 iilding Account-State

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000800	30000800
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	- *- p 4	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:01PM

Project Number: 30000801

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Complex communications upgrades to Loew Hall that will require architectural and engineering development for acquiring space, designing pathways and installing fiber and copper.

Project Description

Complex communications upgrades to Loew Hall that will require architectural and engineering development for acquiring space, designing pathways and installing fiber and copper.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	600,000				600,000
	Total	600,000	0	0	0	600,000
				j		
		Fu	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State	- G				
	Total	0	0	0	0	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000801	30000801
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	high-ly-i-sylvation parameters in the	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:02PM

Project Number: 30000802

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Complex communications upgrades to MHSC that will require architectural and engineering development for acquiring space, designing pathways and installing fiber and copper.

Project Description

Complex communications upgrades to MHSC that will require architectural and engineering development for acquiring space, designing pathways and installing fiber and copper.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	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
		1				
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State .					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

Narrative

This project is an upgrade of existing system.

Capital Project Request

<u>Parameter</u>	Entered As	<u>Interpreted As</u>
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000802	30000802
Sort Order	Project Priority	Priority
Include Page Numbers	Y	Yes
For Word or Excel	N	N N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:04PM

Project Number: 30000803

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

0

Project Summary

Repairs to building exteriors, interiors, sidewalks/grounds, ADA improvements, elevators and life safety projects

Project Description

Repairs to building exteriors, interiors, sidewalks/grounds, ADA improvements, elevators and life safety projects.

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Fund	9		Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	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
004.4		2019-21	future Fiscal Perio	ods 2023-25	2025-27	
064-1	UW Building Account-State Total	0	0	0	0	
Oper	ating Impacts					

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000803	30000803
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:04PM

Project Number: 30000804

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of utility systems and equipment

Project Description

Replacement and modernization of utility systems and equipment.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State	1,000,000				1,000,000
	Total	1,000,000	0	0	0	1,000,000
	1 -	Fu	ıture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000804	30000804
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	•	All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:06PM

Project Number: 30000805

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Repairs to building exteriors, interiors, sidewalks/grounds, ADA improvements, elevators and life safety projects

Project Description

Repairs to building exteriors, interiors, sidewalks/grounds, ADA improvements, elevators and life safety projects.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Prior Biennium 0	Current Biennium 0	Reapprops 0	Approps 2,000,000 2,000,000
00	0	0	
00	0	0	2,000,000
store Figure Book			
uture Fiscal Peri	ods	1	
2021-23	2023-25	2025-27	
0	0	0	

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000805	30000805
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id		All User Ids

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

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:07PM

Project Number: 30000806

Project Title:

Minor Capital Repair - Preservation - 2017-2019 Request

Description

Starting Fiscal Year: 2018

Project Class:

Preservation

Agency Priority:

Project Summary

Replacement and modernization of utility systems and equipment

Project Description

Replacement and modernization of utility systems and equipment.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Infrastructure Preservation (Minor Works)

Growth Management impacts

There are no growth management impacts

Funding

		Expenditures			2017-19 Fiscal Period		
Acct Code	Account Title	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	
		Fu	ture Fiscal Perio	ods			

064-1	UW Building Account-State	2019-21	2021-23	2023-25	2025-27
	Total	0	0	0	0

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000806	30000806
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N a susceptibilities
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:13PM

Project Number: 92000002

Project Title: UW Tacoma Campus Soil Remediation

Description

Starting Fiscal Year: 2013
Project Class: Preservation

Agency Priority: 0

Project Summary

The University of Washington requests \$2.5 million in 2017-19 and \$2 million in future biennia for UW Tacoma Campus Soil Remediation. A request for the re-appropriation of 2015-17 fund is also included. The ability of the UW Tacoma to provide the capacity necessary to meet its mandate for higher education opportunity in the South Puget Sound Region is reliant on future capital investments including building renovations, new building partnerships, campus site improvements and real estate acquisitions. The University of Washington and the Department of Ecology will require resources for ongoing remediation of soil and groundwater contamination within areas of Tacoma's historic rail corridor and the manufacturing district in the lower Pacific Avenue neighborhood that is home to UW Tacoma. UW Tacoma requires approximately \$2 million for soil and groundwater remediation through the 2020-25 biennium. This request anticipates that additional funding may be required to implement a wide range of remediation options over the next 10 years. The UW anticipates the need to continue the purchase of individual real estate parcels and buildings to enable the Tacoma campus to accommodate future enrollment growth in accordance with the legislatively mandated expansion.

Project Description

Proposed Project and Problem Driving the Request: In 1997, the UW signed the existing Agreed Order (DE 97HW-S238) with the Washington State Department of Ecology to fully investigate the nature and extent of environmental contamination and recommend appropriate clean up actions. The Agreed Order, amended March 19, 2013, requires the UW to design, construct, operate, and monitor cleanup actions via a new agreed order with Ecology. Finalizing the new agreed order is expected to require several months since it will require public comment. This request will provide approximately \$2.5 million in funds to develop and finalize a new agreed order, perform environmental contamination assessments, bi-annual groundwater monitoring, Howe parcel groundwater cleanup performance monitoring, and administrative oversight through the 2017-19 biennium. The UW anticipates the need to continue the purchase of individual real estate parcels and buildings to enable the Tacoma campus to accommodate future enrollment growth in accordance with the legislatively mandated expansion.

<u>Project Supports Statewide results</u>: As the UW continues to manage current properties and acquire individual real estate parcels and buildings to enable the Tacoma campus to accommodate future enrollment growth in response to the legislatively mandated expansion, it is necessary to remediate the land.

<u>Specific Benefits, Affected Programs and Funding Strategy:</u> The soil remediation is to the benefit of the ecology, ecosystem, residents and visitors. 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.

The University of Washington will request \$2.5 million in 2017-19 and \$7.5 million total in future biennia for UW Tacoma Campus Soil Remediation. The University of Washington will require resources for soil remediation associated with new development, as well as the ongoing remediation of soil and groundwater contamination within areas of Tacoma's historic rail corridor and the manufacturing district in the lower Pacific Avenue neighborhood that is home to UW Tacoma.

Location

City: Tacoma County: Pierce Legislative District: 027

Project Type

Acquisition - Land

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:13PM

Project Number: 92000002

Project Title: UW Tacoma Campus Soil Remediation

Description

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the Tacoma Campus Master Plan which was approved by the Tacoma City Council and by the UW Board of Regents. The proposed project is consistent with the Tacoma Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New
				<u> </u>	- reapprope	Approps
057-1	State Bldg Constr-State	15,300,000	4,300,000			2,500,000
173-1	State Toxics Control-State	1,700,000	700,000	1,000,000		
	Total	17,000,000	5,000,000	1,000,000	0	2,500,000
		F	Future Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State	2,500,000	2,000,000	2,000,000	2,000,000	
173-1	State Toxics Control-State	, ,	, ,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, -,	
	Total	2,500,000	2,000,000	2,000,000	2,000,000	

Schedule and Statistics

	Start Date	End Date
Predesign		
Design	7/1/2017	7/1/2020
Construction	7/1/2021	9/1/2027
	Total	
Gross Square Feet:	100,000	
Usable Square Feet:	100,000	
Efficiency:	100.0%	
Escalated MACC Cost per Sq. Ft.:	230	
Construction Type:	Civil	
Is this a remodel?	Yes	
A/E Fee Class:	С	
A/E Fee Percentage:	8.96%	

Cost Summary

Acquisition Costs Total Escalated Cost % of Project 0 0.0%

Consultant Services

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:13PM

Project Number: 92000002

Project Title: UW Tacoma Campus Soil Remediation

Cost Si	ummary	,
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		Escalated Cost	% of Project
Consultant Services			
Pre-Schematic Design Services		0	0.0%
Construction Documents Extra Services		0	0.0%
Other Services		4,935,030	13.3%
		0	0.0%
Design Services Contingency Consultant Services Total		822,811	2.2%
Consultant Services Total		7,984,352	21.5%
aximum Allowable Construction Cost(MACC)	23,016,000		
Site work		0	0.0%
Related Project Costs		23,016,000	62.1%
Facility Construction		0	0.0%
GCCM Risk Contingency		0	0.0%
GCCM or Design Build Costs		0	0.0%
Construction Contingencies		2,506,200	6.8%
Non Taxable Items		0	0.0%
Sales Tax		2,450,131	6.6%
Construction Contracts Total		27,972,331	75.4%
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		402,780	1.1%
Project Management Total		726,331	2.0%
Grand Total Escalated Costs		37,085,794	
Rounded Grand Total Escalated Costs		37,086,000	

Operating Impacts

Capital Project Request

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	92000002	92000002
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 197

Cost Estimate Title: Tacoma Soild Remediation

Report Number: CBS003

Date Run: 9/15/2016 5:14PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 92000002

Project Title: UW Tacoma Campus Soil Remediation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 100,000 Usable Sq. Ft.: 100,000 Space Efficiency: 100% MACC Cost per Sq. Ft.: 200 Escalated MACC Cost per Sq. Ft.: 230 Remodel? Yes Construction Type: Civil A/E Fee Class: С A/E Fee Percentage: 8.96%

Schedule	Start Date	End Date
Predesign:		
Design:	07-2017	07-2020
Construction:	07-2021	09-2027
Duration of Construction (Months):	74	

Duration of Construction (Months): 74		
Cost Summary Escalated		
Acquisition Costs Total		0
Pre-Schematic Design Services	0	
Construction Documents	0	
Extra Services	4,935,030	
Other Services	0	
Design Services Contingency	822,811	
Consultant Services Total		7,984,352
Site work	0	
Related Project Costs	23,016,000	
E 1111 O 1	•	

 Related Project Costs
 23,016,000

 Facility Construction
 0

 Construction Contingencies
 2,506,200

 Non Taxable Items
 0

 Sales Tax
 2,450,131

 Construction Contracts Total
 2,450,131

Maximum Allowable Construction Cost(MACC)	23,016,000	
Equipment		0
Non Taxable Items		0
Sales Tax		0

 Equipment Total
 0

 Art Work Total
 0

 Other Costs Total
 402,780

 Project Management Total
 726,331

Grand Total Escalated Costs 37,085,794

Rounded Grand Total Escalated Costs 37,086,000

No

Additional Details

Alternative Public Works Project:

27,972,331

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number:197Report Number:CBS003Cost Estimate Title:Tacoma Soild RemediationDate Run:9/15/20165:14PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 92000002

Project Title: UW Tacoma Campus Soil Remediation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 06-2016

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 197 Analysis Date: August 01, 2016

Cost Estimate Title: Tacoma Soild Remediation

Detail Title: tacoma Soils remediation 17-19

Project Number: 92000002

Project Title: UW Tacoma Campus Soil Remediation

Project Phase Title:

Location: Pierce County

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 100,000 Usable Sq. Ft.: 100,000

Rentable Sq. Ft.:

Space Efficiency: 100% Escalated MACC Cost per Sq. Ft.: 230 Escalated Cost per S. F. Explanation

This is all exterior soil removal or treatment

Construction Type: Civil
Remodel? Yes
A/E Fee Class: C
A/E Fee Percentage: 8.96%
Contingency Rate: 10.00%

Contingency Explanation

This project is highly fluid because of the movement of the contamination in the soils on the Tacoma Campus.

Projected Life of Asset (Years): 30

Location Used for Tax Rate: Pierce County

Tax Rate: 9.60%
Art Requirement Applies: No
Project Administration by: AGY
Higher Education Institution?: No
Alternative Public Works?: No

Start Date	End Date	
07-2017	07-2020	
07-2021	09-2027	
74		
2.80%		
6-2016		
	07-2017 07-2021 74 2.80%	07-2017 07-2020 07-2021 09-2027 74 2.80%

Project Cost Summary

MACC:	\$ 20,000,000
MACC (Escalated):	\$ 23,016,000
Current Project Total:	\$ 32,264,447
Rounded Current Project Total:	\$ 32,264,000
Escalated Project Total:	\$ 34,132,952
Rounded Escalated Project Total:	\$ 34,133,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Construction Documents				
A/E Basic Design Services				1,360,128
SubTotal: Construction Documents				0
Extra Services	500,000			
Civil Design (Above Basic Services)	4,000,000			
Geotechnical Investigation Landscape Consultant	55,000			
Structural Consultant	40,000			
SubTotal: Extra Services	40,000		1.0740	
		4,595,000	1.0740	4,935,030
Other Services Bid/Construction/Closeout				611,072
SubTotal: Other Services			-	0
Design Services Contingency				
Design Services Contingency	656,620			
SubTotal: Design Services Contingency		656,620	1.2531	822,811
		000,020	•	
Total: Consultant Services		7,222,820	1.1054	7,984,352
CONSTRUCTION CONTRACTS				
Related Project Costs				
Soil Remediation	20,000,000		_	
SubTotal: Related Project Costs				23,016,000
Construction Contingencies			•	
Allowance for Change Orders	2,000,000		<u>-</u>	
SubTotal: Construction Contingencies		2,000,000	1.2531	2,506,200
Sales Tax		2,112,000	1.1601	2,450,131
Total: Construction Contracts		24,112,000	1.1601	27,972,331
Maximum Allowable Construction Cost (MACC)		20,000,000	1.1500	23,016,000
OTHER COSTS				
Permit and tarffic mitigation	350,000			
Total: Other Costs	_	350,000	1.1508	402,780
PROJECT MANAGEMENT				
Agency Project Management	579,627			
Total: Project Management		579,627	1.2531	726,331

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 197

Cost Estimate Title: Tacoma Soild Remediation

Report Number: CBS003

Date Run: 9/15/2016 5:14PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	92000002	92000002
Cost Estimate Number	197	197
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:14PM

Project Number: 30000808

Project Title: UW Major Infrastructure

Description

Project Phase Title: Seismic Improvement Projects

Starting Fiscal Year: 2018

Project Class: Preservation

Agency Priority: 1

Project Summary

The University of Washington is requesting \$25 million in 2017 19 state funds for seismic improvements to upgrade unreinforced masonry(URM) buildings on the Seattle Campus. Sixteen buildings have been identified to required URM/façade seismic upgrades. The UW has a number of buildings constructed with URM from the late 19th century to the mid 20th Century. At the time, little was understood about seismic activity in the Pacific Northwest (PNW) region. In recent years, studies and analysis of the region have determined that the PNW region lies on several major fault lines and is susceptible to major seismic activity. The typical methods of anchorage of URMs are not sufficient to resist seismic forces. During seismic activity, it is possible for the anchors to be compromised and partial collapse of the façade can occur. The collapse or structural damage could cause significant danger or injury to students, faculty and the public. Additionally, damaged buildings may result in the closure or suspension of operations affecting teaching and research. Along with the facade and structural improvements, the UW has identified 25 buildings where the parapets have not been properly braced for seismic events. In 2016, the UW commissioned a study to structurally evaluate seven URM buildings and assess nine buildings with brick and terracotta facades for upgrades. The City of Seattle is currently in the process of developing a policy for the retrofit of URM buildings. The primary purpose of the City of Seattle policy proposal is to improve the safety performance of the buildings, both for the occupants and for those near the buildings. This project focuses on addressing; required improvements to meet the City of Seattle's URM policy; program modifications; and ADA upgrades. This project will improve seismic preparedness in URM buildings on the Seattle Campus. The UW has identified buildings that require work to: improve life safety; minimize structural failure; preserve historic structures; and reduce adverse effects on University operations in the event of an earthquake. The work of this capital program will be in three phases and will begin to reinforce URM walls and reinforce parapets to reduce the risk of collapse of buildings and masonry falling from buildings.

Project Description

Identify the Problem: The University of Washington has identified sixteen buildings that require seismic related upgrades. These buildings were constructed at the turn of the 20th century utilizing unreinforced masonry or isolated framing supported by URM walls. The typical methods of anchorage used during this era of construction are not sufficient to resist seismic forces. During an earthquake, it is possible for the anchorage to be compromised, resulting in a partial collapse of the façade. In a severe earthquake, the collapse of the façade or structural failure could occur. In either case, there is a high probability of damage to buildings.

What will the request Produce: These seismic improvements are intended to address life safety and building structural issues to reduce potential adverse impacts on students, faculty, staff and university operations. The work of this project will reinforce URM bearing and non-bearing walls, and reinforce parapets to reduce the risk of severe damage to buildings and minimize masonry falling from buildings.

How would the request address the Problem: In 2016, the UW commissioned a study to evaluate URM wall buildings and assess buildings with brick and terracotta facades to determine the need and estimated cost for seismic upgrades. The URM buildings addressed in the study are (Name, Construction date): Eagleson Hall, 1922; Lewis hall, 1896; Hutchinson Hall, 1926: Art Building, 1949; Music Building, 1948; Plant Operations, 1929; Theodor Jacobsen Observatory, 1894; Anderson Hall, 1924; Gowan Hall, 1932; Harris Hydraulics, 1920; Miller Hall, 1922; Raitt Hall, 1915; and Smith Hall, 1938. The first phase of this project of URM improvements will include Eagleson Hall, Lewis Hall, Hutchinson Hall, and the Theodor Jacobson Observatory.

Which Clientele would be impacted: The collapse or structural damage resulting from the unreinforced masonry(URM) buildings could result in significant danger or injury to students, faculty, staff, or public. Damaged buildings may result in the closure or suspension of operations affecting teaching and research.

<u>Describe how this project supports the agency:</u> The funding for this project will enable the UW to commence the design, phasing and scheduling of seismic improvements to the buildings. This project will be carried out over three phases. This will ensure adequate time and minimal impact on the academic and research operations of the UW. Phase I will address the buildings that require the most extensive work and urgency. Phase 2 and Phase 3 will address the remaining buildings

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:14PM

Project Number: 30000808

Project Title: UW Major Infrastructure

Description

identified to require URM/facade/parapet seismic related upgrades.

Location

City: Seattle County: King Legislative District: 043

Project Type

Infrastructure (Major Projects)

Growth Management impacts

Under the provisions of the University of Washington campus master plan, the UW prepares a Historic Resource Addendum (HRA) for any project that makes exterior alterations to a building that is at least 50 years old. The information and analysis in the HRA provides a framework and context to ensure that important elements of the campus, its historical character, environmental considerations, and landscape context are preserved, enhanced and valued. The HRA further ensures that improvements, changes, and modifications to the physical environment may be clearly analyzed and documented. All buildings in this project are more than 50 years old and will require an HRA as part of the process to complete the work. The HRA will be an attachment to project documentations and be considered by appropriate decision makers.

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		Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior <u>Biennium</u>	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	55,000,000				25,000,000
	Total	55,000,000	0	0	0	25,000,000

Future Fiscal Periods

	Total	15 000 000	15 000 000	0	0
057-1	State Bldg Constr-State	15,000,000	15,000,000		
		2019-21	2021-23	2023-25	2025-27

Schedule and Statistics

	Start Date_	End Date
Predesign	09/01/2018	06/01/2019
Design	10/1/2020	3/1/2021
Construction	3/1/2021	6/1/2022

Total

Gross Square Feet: 120,771
Usable Square Feet: 120,000
Efficiency: 99.4%
Escalated MACC Cost per Sq. Ft.: 272

Construction Type: Other Schedule B Projects

Is this a remodel? Yes
A/E Fee Class:

A/E Fee Percentage:

9.61%

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:14PM

Project Number: 30000808

Project Title: UW Major Infrastructure

Cost	Sum	mary	7
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Association Costs Total		Escalated Cost	% of Project
Acquisition Costs Total		0	0.0%
Consultant Services			
Pre-Schematic Design Services		0	0.0%
Construction Documents		2,352,063	4.1%
Extra Services		1,236,392	2.1%
Other Services		1,133,227	2.0%
Design Services Contingency		506,448	0.9%
Consultant Services Total		5,483,119	9.4%
aximum Allowable Construction Cost(MACC)	32,874,855		
Site work		0	0.0%
Related Project Costs		0	0.0%
Facility Construction		32,874,855	56.6%
GCCM Risk Contingency		311,610	0.5%
GCCM or Design Build Costs		5,557,045	9.6%
Construction Contingencies		3,474,221	6.0%
Non Taxable Items		0	0.0%
Sales Tax		4,264,170	7.3%
Construction Contracts Total		48,682,601	83.8%
Equipment			
Equipment		1,038,700	1.8%
Non Taxable Items		0	0.0%
Sales Tax		105,379	0.2%
Equipment Total		1,203,079	2.1%
Art Work Total		164,374	0.3%
Other Costs Total		893,329	1.5%
Project Management Total		1,687,979	2.9%
Grand Total Escalated Costs		58,114,481	
Rounded Grand Total Escalated Costs		58,114,000	

Operating Impacts

No Operating Impact

Narrative

Project will not have an impact operating budget.

Project Classification

Capital Project Request

2017-19 Biennium

All Project Classifications

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A

Capital Project Number3000080830000808Sort OrderProject PriorityPriorityInclude Page NumbersYYesFor Word or ExcelNN

User Group Agency Budget Agency Budget
User Id * All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 186

Cost Estimate Title: Campus Seismic Upgrades - Phase 1

Campus Seismic Upgrades - Phase 1

Date Run: 9/15/2016 5:15PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000808

Project Title: UW Major Infrastructure
Project Phase Title: Seismic Improvement Projects

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 120,771
Usable Sq. Ft.: 120,000
Space Efficiency: 99%
MACC Cost per Sq. Ft.: 262
Escalated MACC Cost per Sq. Ft.: 272
Remodel? Yes

Construction Type: Other Schedule B Projects

A/E Fee Class: B
A/E Fee Percentage: 9.61%

 Schedule
 Start Date
 End Date

 Predesign:
 09-2018
 06-2019

 Design:
 10-2020
 03-2021

 Construction:
 03-2021
 06-2022

Duration of Construction (Months): 15		
Cost Summary Escalated		
Acquisition Costs Total		0
Pre-Schematic Design Services	0	
Construction Documents	2,352,063	
Extra Services	1,236,392	
Other Services	1,133,227	
Design Services Contingency	506,448	
Consultant Services Total		5,483,119
Site work	0	
Related Project Costs	0	
Facility Construction	32,874,855	
Construction Contingencies	3,474,221	
Non Taxable Items	0	
Sales Tax	4,264,170	
Construction Contracts Total		48,682,601
Maximum Allowable Construction Cost(MACC) 32 874 855		, ,

 Equipment Total
 1,203,079

 Art Work Total
 164,374

 Other Costs Total
 893,329

 Project Management Total
 1,687,979

Grand Total Escalated Costs 58,114,481

Rounded Grand Total Escalated Costs 58,114,000

Yes

Additional Details

Alternative Public Works Project:

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number:186Report Number:CBS003Cost Estimate Title:Campus Seismic Upgrades - Phase 1Date Run:9/15/20165:15PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000808

Project Title: UW Major Infrastructure
Project Phase Title: Seismic Improvement Projects

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%
Base Month and Year: 06-2018
Project Administration By: AGY
Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 186 Analysis Date: July 01, 2016

Cost Estimate Title: Campus Seismic Upgrades - Phase 1

Detail Title: Campus Seismic Upgrades - Phase 1 #1

Project Number: 30000808

Project Title: UW Major Infrastructure
Project Phase Title: Seismic Improvement Projects

Location: Seattle

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 120,771 Usable Sq. Ft.: 120,000

Rentable Sq. Ft.:

Space Efficiency: 99% Escalated MACC Cost per Sq. Ft.: 272 Escalated Cost per S. F. Explanation

Construction Type: Other Schedule B Projects

Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 9.61%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years):

Location Used for Tax Rate: Seattle
Tax Rate: 9.60%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	09-2018	06-2019
Design:	10-2020	03-2021
Construction:	03-2021	06-2022
Duration of Construction (Months):	15	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	6-2018	

Project Cost Summary

MACC:	\$ 31,650,000
MACC (Escalated):	\$ 32,874,855
Current Project Total:	\$ 53,050,850
Rounded Current Project Total:	\$ 53,051,000
Escalated Project Total:	\$ 55,295,157
Rounded Escalated Project Total:	\$ 55,295,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Construction Documents				2 200 540
A/E Basic Design Services SubTotal: Construction Documents				2,308,548
Extra Services				2,352,063
Civil Design (Above Basic Services)	40,000			
Geotechnical Investigation	77,000			
Commissioning (Systems Check)	40,000			
Site Survey	14,000			
Testing	46,000			
Leadership Energy & Environment Design List(LEED)	20,000			
Landscape Consultant	30,000			
Acoustical Consultant	15,000			
Document Reproduction	20,000			
Elevator Consultant	22,000			
Interior Design/Furnishings Consultant	20,000			
Mechanical Consultant	20,000			
Structural Consultant	790,000			
Specialty Consultant	19,000			
Travel & Per Diem	15,000			
Quality Control Consultant	15,000			
Communications Consultant	15,000		4.0700	
SubTotal: Extra Services		1,218,000	1.0728	1,236,392
Other Services Bid/Construction/Closeout				1,037,174
HVAC Balancing	50,000			1,007,174
Tivio Balanding		1,087,174	1.0977	
SubTotal: Other Services		1,007,174	1.0077	1,133,227
Design Services Contingency				1,133,221
Design Services Contingency	461,372			
SubTotal: Design Services Contingency		461,372	1.0977	506,448
		401,372	1.0011	300,440
Total: Consultant Services		5,075,094	1.0804	5,483,119
CONSTRUCTION CONTRACTS				
Facility Construction	04.050.000			
Seismic Retrofit	31,650,000			
SubTotal: Facility Construction		31,650,000	1.0977	32,874,855
GCCM Risk Contingency GCCM Risk Contingency	300,000			
SubTotal: GCCM Risk Contingency	300,000			244.040
				311,610
GCCM or Design Build Costs GCCM Fee	1,750,000			
Bid General Conditions	2,550,000			
GCCM Preconstruction Services	300,000			
Negotiated Support Services	750,000			
SubTotal: GCCM or Design Build Costs		5,350,000	1.0977	5,557,045
Construction Contingencies		3,350,000	1.0377	9,557,045
Allowance for Change Orders	3,165,000			
SubTotal: Construction Contingencies		3,165,000	1.0977	3,474,221
-		-,,		

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
Sales Tax		3,884,640	1.0977	4,264,170
Total: Construction Contracts		44,349,640	1.0977	48,682,601
Maximum Allowable Construction Cost (MACC)		31,650,000	1.0400	32,874,855
EQUIPMENT				
E10 - Equipment	650,000			
E20 - Furnishings	350,000			
SubTotal:		1,000,000	1.0977	1,038,700
Sales Tax		96,000	1.0977	105,379
Total: Equipment		1,096,000	1.0977	1,203,079
ART WORK				
Total: Art Work		164,374	1.0000	164,374
OTHER COSTS				
Hazardous Material Remediation/Removal	478,000			
In-Plan Services	100,000			
Utilities/Temporary Facilities	30,000			
Building Permit	120,000			
Builders Risk Insurance	50,000			
Connectivity	40,000			
Claims Review Board	10,000			
Total: Other Costs		828,000	1.0789	893,329
PROJECT MANAGEMENT				
Agency Project Management	1,062,742			
Contract Construction Management	400,000			
Pre-Active Project Management	75,000			
Total: Project Management		1,537,742	1.0977	1,687,979

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number:186Report Number:CBS003Cost Estimate Title:Campus Seismic Upgrades - Phase 1Date Run:9/15/20165:15PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000808	30000808
Cost Estimate Number	186	186
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:15PM

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

Description

Starting Fiscal Year: 2018
Project Class: Preservation

Agency Priority: 8

Project Summary

The University of Washington is requesting \$10 million of State funds in 2017 19 for the renovation of Parrington Hall, the Department for the Evans School of Public Policy & Governance. Parrington Hall was constructed in 1902 with the last major renovation in 1988, the floor layouts, classrooms, and building systems have exceeded their useful life. The learning spaces are currently small classrooms that do not serve contemporary pedagogies which now utilize large classrooms for 40 60 students in team focused active learning configurations. This larger sized classroom allows for groups to collaborate in team based settings with cost effective faculty/student sizes. Campus wide there is a shortage of classrooms in the 50-90 seat range as revealed by the 2014 UW Learning Space Assessment. The large classroom configuration supports the modern pedagogy of collaborative, interdisciplinary teaching and learning approach. Parrington Hall was built in 1902 and is the oldest building in use by the top ten US graduate schools of Public Affairs and Policy. The Daniel J. Evans School of Public Policy and Governance is ranked fourth in the nation for graduate schools of Public Affairs and Public Policy by the US News and World Report. Over the past ten years the number of graduate students enrolled in has doubled. 2014-15, 235 advanced degrees were awarded through the School. The last major renovation was in 1988, but did not replace the HVAC system. Electrical, mechanical and plumbing/fixtures do not meet current code requirements or standards for energy, efficiency, sustainability or functionality. This renovation project will provide an improved building layout, larger classrooms, informal learning environments and replace outdated mechanical systems. Significant energy savings will result through new mechanical, electrical, and p0lumbing systems.

Project Description

<u>Identify the Problem:</u> Parrington Hall was constructed in 1902, it is a four story brick masonry and wood frame building with the last major renovation in 1988. The floor layouts, classrooms, and building systems have exceeded their useful life. The learning spaces currently are small classrooms that do not serve contemporary pedagogies which now utilize large classrooms for 40-60 students in team focused active learning configurations. HVAC, electrical, mechanical and plumbing/fixtures do not meet current code requirements or standards for energy, efficiency, sustainability or functionality.

What will the request produce: The \$20 million renovation project will provide the larger classrooms and informal learning environments that the Evans School desperately needs. The mechanical and plumbing systems will be replaced. Electrical and telecommunications systems in instructional areas will be replaced.

<u>How would the request address the problem:</u> A comprehensive renovation of Parrington Hall will help achieve programmatic needs for growth in student FTEs and faculty as well as meet contemporary building/energy/life safety codes, ADA requirements and sustainability standards.

Which Clientele would be impacted: The Daniel J. Evans School of Public Policy and Governance is ranked fourth in the nation for graduate schools of public affairs and public policy. Learning environments have changed significantly as pedagogies have evolved to take advantage of instructional technology. The current building's floor plans, classrooms and infrastructure are not conducive to current teaching pedagogies. Parrington Hall is the oldest building of any in use by the top ten U.S graduate schools of public affairs and policy.

Will non-state funds be used: The UW is requesting \$10 million of State funds and \$10 million is being raised from private sources.

How does this project support the agency's strategic Master Plan: To preserve and enhance its national ranking, the Evans School needs a facility commensurate with their academic reputation. The Evans school needs a facility that enables the education of future public leaders in a space that reflects their values in Transparency, Collaboration, Innovation, Sustainability and Efficiency.

Location

City: Seattle County: King Legislative District: 043

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:15PM

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

Description

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the UW acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The project is consistent with the Seattle Campus Master Plans which serve as a general regulatory guide to UW Campus land use. The UW is currently undergoing an update of the Campus Master Plan which this project will be evaluated when approved.

Funding

			Expenditures		2017-19	Fiscal Period
Acct		Estimated	Prior	Current		New
Code	Account Title	Total	Biennium	Biennium	Reapprops	Approps
057-1	State Bldg Constr-State	10,000,000				10,000,000
148-6	HE - Dedicated Locl-Non-Appropria	10,000,000				10,000,000
	Total	20,000,000	0	0	0	20,000,000

Future Fiscal Periods

		2019-21	2021-23	2023-25	2025-27
057-1	State Bldg Constr-State				
148-6	HE - Dedicated Locl-Non-Appropria				
	Total	0	0	0	0

Schedule and Statistics

	Start Date	End Date
Predesign	03/01/2018	07/01/2018
Design	7/1/2019	4/1/2020
Construction	6/1/2020	7/1/2021

<u>Total</u> 58,755 27,162 46.2%

224

Construction Type: College Classroom Facilities

Is this a remodel? Yes

A/E Fee Class:

A/E Fee Percentage:

10.70%

Escalated MACC Cost per Sq. Ft.:

Cost Summary

Gross Square Feet:

Usable Square Feet:

Efficiency:

Escalated Cost % of Project

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:15PM

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

	Cost	Sum	mary
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	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	1,035,181	5.2%
Extra Services	130,574	0.7%
Other Services	585,998	2.9%
Design Services Contingency	178,719	0.9%
Consultant Services Total	1,930,472	9.7%
aximum Allowable Construction Cost(MACC)	13,133,941	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	13,133,941	65.7%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	667,375	3.3%
Construction Contingencies	1,313,394	6.6%
Non Taxable Items	0	0.0%
Sales Tax	1,451,012	7.3%
Construction Contracts Total	16,565,721	82.8%
Equipment		
Equipment	480,511	2.4%
Non Taxable Items	0	0.0%
Sales Tax	46,129	0.2%
Equipment Total	526,639	2.6%
Art Work Total	65,670	0.3%
Other Costs Total	241,960	1.2%
Project Management Total	669,767	3.4%
Grand Total Escalated Costs	20,000,229	
Rounded Grand Total Escalated Costs	20,000,000	

Operating Impacts

No Operating Impact

Narrative

Renovation of existing facility

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:15PM

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

Operating Impacts

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000810	30000810
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 185

Cost Estimate Title: Parrington Hall Renovation

Report Number: CBS003

Date Run: 9/15/2016 5:16PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 58,755
Usable Sq. Ft.: 27,162
Space Efficiency: 46%
MACC Cost per Sq. Ft.: 209
Escalated MACC Cost per Sq. Ft.: 224
Remodel? Yes

Construction Type: College Classroom Facilities

A/E Fee Class: B
A/E Fee Percentage: 10.70%

 Schedule
 Start Date
 End Date

 Predesign:
 03-2018
 07-2018

 Design:
 07-2019
 04-2020

 Construction:
 06-2020
 07-2021

 Duration of Construction (Months):
 13

Cost Summary Escalated

Cost Summary Es	scala	ted

Acquisition Costs Total		0
Pre-Schematic Design Services	0	
Construction Documents	1,035,181	
Extra Services	130,574	
Other Services	585,998	
Design Services Contingency	178,719	
Consultant Services Total		1,930,472
Site work	0	
Related Project Costs	0	
Facility Construction	13,133,941	
Construction Contingencies	1,313,394	
Non Taxable Items	0	
Sales Tax	1,451,012	
Construction Contracts Total		16,565,721
Maximum Allowable Construction Cost(MACC) 13,133,941		
Equipment	480,511	
Non Taxable Items	0	
Sales Tax	46,129	

 Equipment Total
 526,639

 Art Work Total
 65,670

 Other Costs Total
 241,960

 Project Management Total
 669,767

Grand Total Escalated Costs 20,000,229

Additional Details

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Yes

20,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number:185Report Number:CBS003Cost Estimate Title:Parrington Hall RenovationDate Run:9/15/20165:16PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 08-2018

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 185 Analysis Date: July 01, 2016

Cost Estimate Title: Parrington Hall Renovation

Detail Title: Parrington Hall Renovation #1

Project Number: 30000810

Project Title: Evans School - Parrington Hall Renovation

Project Phase Title:

Location: Seattle

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 58,755 Usable Sq. Ft.: 27,162

Rentable Sq. Ft.:

Space Efficiency: 46% Escalated MACC Cost per Sq. Ft.: 224 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities

Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 10.70%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years): 30
Location Used for Tax Rate: Seattle
Tax Rate: 9.60%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date		
Predesign:	03-2018	07-2018		
Design:	07-2019	04-2020		
Construction:	06-2020	07-2021		
Duration of Construction (Months):	13			
State Construction Inflation Rate:	2.80%			
Base Month and Year:	8-2018			

Project Cost Summary

MACC:	\$ 12,300,000
MACC (Escalated):	\$ 13,133,941
Current Project Total:	\$ 18,771,071
Rounded Current Project Total:	\$ 18,771,000
Escalated Project Total:	\$ 19,925,321
Rounded Escalated Project Total:	\$ 19,925,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Construction Documents				000,000
A/E Basic Design Services SubTotal: Construction Documents				998,920
Extra Services				1,035,181
Commissioning (Systems Check)	50,000			
Testing	15,000			
Leadership Energy & Environment Design List(LEED)	6,000			
Hazardous Material Consultant	55,000			
SubTotal: Extra Services		126,000	1.0363	130,574
Other Services				110 700
Bid/Construction/Closeout	100 000			448,790
HVAC Balancing	100,000		1.0070	
SubTotal: Other Services		548,790	1.0678	
				585,998
Design Services Contingency Design Services Contingency	167,371			
SubTotal: Design Services Contingency		167,371	1.0678	178,719
,		107,571	1.0070	170,713
Total: Consultant Services	-	1,841,081	1.0486	1,930,472
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	12,300,000			
SubTotal: Facility Construction		12,300,000	1.0678	13,133,941
GCCM or Design Build Costs Bid General Conditions	450,000			
D/B Fee	450,000 100,000			
Support Service	75,000			
SubTotal: GCCM or Design Build Costs		625,000	1.0678	667,375
Construction Contingencies		625,000	1.0076	
Allowance for Change Orders	1,230,000			
SubTotal: Construction Contingencies		1,230,000	1.0678	1,313,394
		,,		,,,,,,,,
Sales Tax		1,358,880	1.0678	1,451,012
Total: Construction Contracts		15,513,880	1.0678	16,565,721
		40.000.000	4.0700	40.400.044
Maximum Allowable Construction Cost (MACC)		12,300,000	1.0700	13,133,941
EQUIPMENT				
E10 - Equipment	125,000			
E20 - Furnishings	325,000			
SubTotal:		450,000	1.0678	480,511
			4	
Sales Tax		43,200	1.0678	46,129
Total: Equipment		493,200	1.0678	526,639
		,		
ART WORK				

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
ART WORK				
Total: Art Work		65,670	1.0000	65,670
OTHER COSTS				
Mitigation Costs	30,000			
Permits & Insurance	150,000			
In Plant Services	50,000			
Total: Other Costs		230,000	1.0520 =	241,960
PROJECT MANAGEMENT				
Agency Project Management	577,240			
Other	50,000			
Total: Project Management		627,240	1.0678	669,767

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number:185Report Number:CBS003Cost Estimate Title:Parrington Hall RenovationDate Run:9/15/20165:16PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000810	30000810
Cost Estimate Number	185	185
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:17PM

Project Number: 20091001

Project Title: Miller Hall Renovation

Description

Starting Fiscal Year: 2018
Project Class: Preservation

Agency Priority: 9

Project Summary

The University of Washington will request state funding in future biennia (2019-21) for the renovation of Miller Hall. Funding is requested in order to prepare for a major building renovation of the 73K Gross Square Foot teaching facility. Miller Hall was built in 1922 and was partially renovated in 1962. Today, all the building systems in Miller Hall are past their useful life and require comprehensive replacement with code-compliant energy conserving, 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. 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 an integral part of the Seattle campus.

Project Description

Miller Hall is a key instructional building and is a historic icon on the UW Seattle Campus. Identified in the Restore the Core study, Miller Hall was constructed in 1922 and partially renovated in 1962. Today many of its systems are outdated or do not meet current code requirements. It currently houses the College of Education as serves as a staple classroom facility for the UW for undergraduate and professional studies.

The proposed project will renew the facility and address significant improvements or replacements of all major building systems including the exterior, heating/ventilation, plumbing, electrical, fire protection, and communications/computing infrastructure, health and life safety improvements. The renovation provides an opportunity to improve seismic performance, accessibility, safety, maintainability, energy and water consumption, and provide other modern sustainable building features. The project will address a reconfiguration of interior spaces to allow for major improvements in the quality and functionality of teaching spaces and the efficiency and utilization of the overall building.

The preservation of Miller Hall will 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.

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

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		Expenditures			2017-19 Fiscal Period		
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps	
057-1	State Bldg Constr-State	54,000,000					

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:17PM

Project Number: 20091001

Project Title: Miller Hall Renovation

Fu	nd	in	g

Total 54,000,000 0 0 0 0

Future Fiscal Periods

 2019-21
 2021-23
 2023-25
 2025-27

 057-1
 State Bldg Constr-State
 5,000,000
 49,000,000
 0

 Total
 0
 5,000,000
 49,000,000
 0

Schedule and Statistics

	Start Date	End Date
Predesign	07/01/2017	06/01/2019
Design	7/1/2019	6/1/2021
Construction	7/1/2021	6/1/2023

<u>Total</u>

Gross Square Feet: 72,655
Usable Square Feet: 44,000
Efficiency: 60.6%
Escalated MACC Cost per Sq. Ft.: 431

Construction Type: Other Schedule B Projects

Is this a remodel? Yes
A/E Fee Class:
A/E Fee Percentage:
9.88%

Cost Summary

		Escalated Cost	% of Project
Acquisition Costs Total		0	0.0%
Consultant Services			
Pre-Schematic Design Services		515,475	1.0%
Construction Documents		2,220,052	4.1%
Extra Services		1,270,885	2.4%
Other Services		1,389,783	2.6%
Design Services Contingency		638,454	1.2%
Consultant Services Total		6,034,647	11.2%
aximum Allowable Construction Cost(MACC)	31,288,828		
Site work		0	0.0%
Related Project Costs		0	0.0%
Facility Construction		31,288,828	57.9%
GCCM Risk Contingency		622,794	1.2%
GCCM or Design Build Costs		3,996,567	7.4%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:17PM

Project Number: 20091001

Project Title: Miller Hall Renovation

Cost Summary

	Escalated Cost	% of Project
Construction Contracts		-
Construction Contingencies	3,128,883	5.8%
Non Taxable Items	0	0.0%
Sales Tax	3,708,522	6.9%
Construction Contracts Total	42,745,592	79.2%
quipment		
Equipment	1,926,806	3.6%
Non Taxable Items	0	0.0%
Sales Tax	183,046	0.3%
quipment Total	2,109,851	3.9%
rt Work Total	156,444	0.3%
Other Costs Total	968,480	1.8%
Project Management Total	1,985,048	3.7%
Grand Total Escalated Costs	54,000,062	
ounded Grand Total Escalated Costs	54,000,000	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20091001	20091001
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington **Cost Estimate Summary**

2017-19 Biennium

Cost Estimate Number: 192 Report Number: CBS003 **Cost Estimate Title:** Miller Hall Renovation 17-19 Date Run: 9/15/2016 5:17PM

03 Final OFM Submission 2017-19 Version: Agency Preferred: Yes

Project Number: 20091001

Project Title: Miller Hall Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.616.0590

Statistics

Gross Sq. Ft.: 72,655 Usable Sq. Ft.: 44.000 Space Efficiency: 61% 346 MACC Cost per Sq. Ft.: Escalated MACC Cost per Sq. Ft.: 431 Remodel?

Construction Type: Other Schedule B Projects

A/E Fee Class: В A/E Fee Percentage: 9.88%

Schedule **Start Date End Date** Predesign: 07-2017 06-2019 Design: 07-2019 06-2021 Construction: 07-2021 06-2023 Duration of Construction (Months): 23

Cost Summary Escalated		
Acquisition Costs Total		0
Pre-Schematic Design Services	515,475	
Construction Documents	2,220,052	
Extra Services	1,270,885	
Other Services	1,389,783	
Design Services Contingency	638,454	
Consultant Services Total		6,034,647
Site work	0	
Related Project Costs	0	
Facility Construction	31,288,828	
Construction Contingencies	3,128,883	
Non Taxable Items	0	
Sales Tax	3,708,522	
Construction Contracts Total		42,745,592
Maximum Allowable Construction Cost(MACC) 31,288,828		
Equipment	1,926,806	
Non Taxable Items	0	
Sales Tax	183,046	
Equipment Total		2,109,851
Art Work Total		156,444

Additional Details

Other Costs Total

Project Management Total

Grand Total Escalated Costs

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Yes

968,480

1,985,048

54,000,062

54,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 192 Report Number: CBS003
Cost Estimate Title: Miller Hall Renovation 17-19 Date Run: 9/15/2016 5:17PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20091001

Project Title: Miller Hall Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.616.0590

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 08-2014

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 192 Analysis Date: August 27, 2016

Cost Estimate Title: Miller Hall Renovation 17-19

Detail Title: Miller Hall Renovation(bh)

Project Number: 20091001

Project Title: Miller Hall Renovation

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: Alan Nygaard Contact Number: 206.616.0590

Statistics

Gross Sq. Ft.: 72,655 Usable Sq. Ft.: 44,000

Rentable Sq. Ft.:

Space Efficiency: 61%
Escalated MACC Cost per Sq. Ft.: 431
Escalated Cost per S. F. Explanation

Construction Type: Other Schedule B Projects

Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 9.88%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years):

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	07-2017	06-2019
Design:	07-2019	06-2021
Construction:	07-2021	06-2023
Duration of Construction (Months):	23	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	8-2014	

Project Cost Summary

MACC:	\$ 25,170,000
MACC (Escalated):	\$ 31,288,828
Current Project Total:	\$ 43,686,405
Rounded Current Project Total:	\$ 43,686,000
Escalated Project Total:	\$ 53,843,604
Rounded Escalated Project Total:	\$ 53,844,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Programming/Site Analysis	100,000			
Predesign Study	350,000			
SubTotal: Pre-Schematic Design Services		450,000	1.1455	515,475
Construction Documents A/E Basic Design Services				1,887,478
SubTotal: Construction Documents				2,220,052
Extra Services				
Civil Design (Above Basic Services)	45,000			
Geotechnical Investigation	30,000			
Commissioning (Systems Check)	120,000			
Site Survey	15,500			
Testing	150,000			
Leadership Energy & Environment Design List(LEED)	90,000			
Voice/Data Consultant	40,000			
Value Engineering Participation & Implementation	20,000			
Constructability Review Participation	40,000			
Environmental Mitigation Services (EIS)	10,000			
Landscape Consultant	75,000			
Acoustical Consultant	25,000			
Haz Mat Consultant	60,000			
Elevator Consultant	30,000			
Communications Consultant	50,000			
Graphics	25,000			
Interior Design	85,000			
Phasing/Early bid packages	30,000			
QC Consultant	40,000			
Electronic AudioVisual	50,000			
Strucural Eng.	50,000			
SubTotal: Extra Services		1,080,500	1.1762	1,270,885
Other Services Bid/Construction/Closeout				847,997
HVAC Balancing	70,000			
Construction Support	200,000			
		1,117,997	1.2431	
SubTotal: Other Services				1,389,783
Design Services Contingency				
Design Services Contingency	453,598			
CO Design Allowance	60,000			
SubTotal: Design Services Contingency		513,598	1.2431	638,454
Total: Consultant Services		5,049,573	1.1951	6,034,647
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	25,170,000			
SubTotal: Facility Construction		25,170,000	1.2431	31,288,828
GCCM Risk Contingency		-		
GCCM Risk Contingency	501,000			
SubTotal: GCCM Risk Contingency				622,794

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
GCCM or Design Build Costs	4.045.000			
GCCM Fee Bid General Conditions	1,015,000			
GCCM Preconstruction Services	1,000,000 400,000			
Negotiated Support Services	800,000			
SubTotal: GCCM or Design Build Costs		3,215,000	1.2431	3,996,567
Construction Contingencies		3,213,000	-	3,330,307
Allowance for Change Orders	2,517,000			
SubTotal: Construction Contingencies		2,517,000	1.2431	3,128,883
Sales Tax		2,983,285	1.2431	3,708,522
Total: Construction Contracts		34,386,285	1.2431 =	42,745,592
Maximum Allowable Construction Cost (MACC)		25,170,000	1.2400	31,288,828
EQUIPMENT				
E10 - Equipment	600,000			
E20 - Furnishings	950,000			
SubTotal:		1,550,000	1.2431	1,926,806
Sales Tax		147,250	1.2431	183,046
Total: Equipment		1,697,250	1.2431	2,109,851
ART WORK				
Total: Art Work		156,444	1.0000	156,444
OTHER COSTS				
Mitigation Costs	200,000			
Permits/Insurance/Connectivity	600,000			
Total: Other Costs		800,000	1.2106	968,480
PROJECT MANAGEMENT				
Agency Project Management	965,853			
Additional Services	250,000			
Contract Construction Mgmt.	381,000			
Total: Project Management		1,596,853	1.2431	1,985,048

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 192 Report Number: CBS003
Cost Estimate Title: Miller Hall Renovation 17-19 Date Run: 9/15/2016 5:17PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20091001	20091001
Cost Estimate Number	192	192
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:18PM

Project Number: 20091002

Project Title: Anderson Hall Renovation

Description

Starting Fiscal Year: 2021

Project Class: Preservation

Agency Priority: 10

Project Summary

The UW will request state funding in future biennia for the design and construction for the renovation of Anderson Hall which was identified in the "Restore the Core" program in 2004 that outlined a priority list of buildings in dire need of major restoration. The proposed project renovation project will also address the Priority II ranking by the Earthquake Readiness Advisory Committee (ERAC) report of 1992 which found Anderson Hall in need of extensive structural support strengthening to better resist earthquakes. The proposed renovation 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. This project will propose solutions to provide access to all parts of the building and increase building efficiency for teaching and research, and support efforts to better integrate programs in the College of the Environment which formed in 2008. State funding of \$200,000 was appropriated in the 2009-11 biennium for the Pre-Design Study Phase.

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.

Anderson Hall houses the UW College of the Environment: School of Forest Resources, the Ecosystems Sciences and Conservation Department, and the Institute for Forest Resources. Anderson Hall is 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. Anderson Hall was also identified in the Earthquake Readiness Advisory Committee (ERAC) report of 1992 which found Anderson Hall in need of extensive structural support strengthening to better resist earthquakes.

Location

City: Seattle County: King Legislative District: 043

Project Type

Funding

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

	<u> </u>		2017-19 Fiscal Period			
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	22,200,000	200,000			
	Total	22,200,000	200,000	0	0	0

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:18PM

Project Number: 20091002

Project Title: Anderson Hall Renovation

Funding

Future Fiscal Periods

		2019-21	2021-23	2023-25	2025-27
057-1	State Bldg Constr-State		2,000,000	20,000,000	
	Total	0	2,000,000	20,000,000	0

Schedule and Statistics

Start Date	End Date
07/01/2021	05/01/2022
7/1/2027	6/1/2029
7/1/2029	6/1/2031
	7/1/2027

TotalGross Square Feet:33,543Usable Square Feet:30,189Efficiency:90.0%

Escalated MACC Cost per Sq. Ft.: 365

Construction Type: College Classroom Facilities

Is this a remodel? Yes

A/E Fee Class:

A/E Fee Percentage:

10.86%

Cost Summary

	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	982,523	4.1%
Extra Services	630,050	2.6%
Other Services	761,957	3.2%
Design Services Contingency	306,448	1.3%
Consultant Services Total	2,886,275	12.1%
aximum Allowable Construction Cost(MACC) 12,	253,140	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	12,253,140	51.3%
GCCM Risk Contingency	287,111	1.2%
GCCM or Design Build Costs	1,508,833	6.3%
Construction Contingencies	1,960,350	8.2%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002

Date Run: 9/15/2016 5:18PM

Project Number: 20091002

Project Title: Anderson Hall Renovation

Cost Summary

	Escalated Cost	% of Project
onstruction Contracts		
Non Taxable Items	0	0.0%
Sales Tax	1,612,555	6.8%
Construction Contracts Total	18,586,818	77.8%
quipment		
Equipment	606,000	2.5%
Non Taxable Items	0	0.0%
Sales Tax	60,981	0.3%
quipment Total	702,881	2.9%
art Work Total	61,266	0.3%
Other Costs Total	433,819	1.8%
Project Management Total	1,224,522	5.1%
Grand Total Escalated Costs	23,895,581	
ounded Grand Total Escalated Costs	23,896,000	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20091002	20091002
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 191 Report Number: CBS003
Cost Estimate Title: Anderson Hall Renovation 17-19 Date Run: 9/15/2016 5:19PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20091002

Project Title: Anderson Hall Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 33,543
Usable Sq. Ft.: 30,189
Space Efficiency: 90%
MACC Cost per Sq. Ft.: 304
Escalated MACC Cost per Sq. Ft.: 365
Remodel? Yes

Construction Type: College Classroom Facilities

A/E Fee Class: B
A/E Fee Percentage: 10.86%

 Schedule
 Start Date
 End Date

 Predesign:
 07-2021
 05-2022

 Design:
 07-2027
 06-2029

 Construction:
 07-2029
 06-2031

 Duration of Construction (Months):
 23

Cost Summary Escalated

Acquisition Costs Total		0
Pre-Schematic Design Services	0	
Construction Documents	982,523	
Extra Services	630,050	
Other Services	761,957	
Design Services Contingency	306,448	
Consultant Services Total		2,886,275
Site work	0	

Related Project Costs 0
Facility Construction 12,253,140
Construction Contingencies 1,960,350
Non Taxable Items 0
Sales Tax 1,612,555

Construction Contracts Total 18,586,818

Maximum Allowable Construction Cost(MACC) 12,253,140
Equipment

Non Taxable Items 0
Sales Tax 60,981

 Equipment Total
 702,881

 Art Work Total
 61,266

 Other Costs Total
 433,819

 Project Management Total
 1,224,522

Grand Total Escalated Costs 23,895,581

Rounded Grand Total Escalated Costs

23,896,000

606,000

Additional Details

Alternative Public Works Project:

Yes

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 191 Report Number: CBS003
Cost Estimate Title: Anderson Hall Renovation 17-19 Date Run: 9/15/2016 5:19PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20091002

Project Title: Anderson Hall Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate:

Base Month and Year:

Project Administration By:

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 191 Analysis Date: August 27, 2016

Cost Estimate Title: Anderson Hall Renovation 17-19

Detail Title: Anderson Hall Renovation (bh)

Project Number: 20091002

Project Title: Anderson Hall Renovation

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 33,543 Usable Sq. Ft.: 30,189

Rentable Sq. Ft.:

Space Efficiency: 90%
Escalated MACC Cost per Sq. Ft.: 365
Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities

Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 10.86%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years): 50

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	07-2021	05-2022
Design:	07-2027	06-2029
Construction:	07-2029	06-2031
Duration of Construction (Months):	23	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	6-2021	

Project Cost Summary

MACC:	\$ 10,199,900
MACC (Escalated):	\$ 12,253,140
Current Project Total:	\$ 18,713,306
Rounded Current Project Total:	\$ 18,713,000
Escalated Project Total:	\$ 22,570,162
Rounded Escalated Project Total:	\$ 22,570,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Construction Documents				
A/E Basic Design Services				878,743
SubTotal: Construction Documents				982,523
Extra Services	00.000			
Civil Design (Above Basic Services)	30,000			
Geotechnical Investigation	20,000			
Commissioning (Systems Check)	45,000			
Site Survey	20,000			
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/Elevator/QC/HazMat Consultants	80,000			
Communicatn/Indoor Air Qual/Specialty Consultants	34,000			
Graphics	5,000			
Interior Design	34,500			
Reimbursables/Document Reproduction	40,000			
Lighting Design and Calcs	10,000			
Structural	25,000			
Electronic Audio Visual	20,000			
SubTotal: Extra Services		563,500	1.2148	630,050
Other Services				
Bid/Construction/Closeout				394,797
HVAC Balancing	80,000			
Cosntruction Support	170,000			
		644,797	1.2838	
SubTotal: Other Services				761,957
Design Services Contingency				
Design Services Contingency	208,704			
CO Design Allowance	30,000			
SubTotal: Design Services Contingency		238,704	1.2838	306,448
	-			
Total: Consultant Services		2,325,744	1.2410	2,886,275
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	9,555,000			
Additional Escalation	644,900			
SubTotal: Facility Construction		10,199,900	1.2838	42.252.440
-		10,199,900	1.2030	12,253,140
GCCM Risk Contingency GCCM Risk Contingency	239,000			
SubTotal: GCCM Risk Contingency	200,000			207 444
				287,111
GCCM or Design Build Costs GCCM Fee	451,000			
Bid General Conditions	414,000			
GCCM Preconstruction Services	200,000			
Negotiated Support Services	191,000			
SubTotal: GCCM or Design Build Costs	191,000	4 050 000	1 0000	4 500 000
Sub rotal. Soom of Design Bully Costs		1,256,000	1.2838	1,508,833

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
Construction Contingencies	4.040.000			
Allowance for Change Orders	1,019,990 507,000			
Management Reserve SubTotal: Construction Contingencies			4 0000	
Sub rotal. Construction Contingencies		1,526,990	1.2838	1,960,350
Sales Tax		1,256,080	1.2838	1,612,555
Total: Construction Contracts		14,477,970	1.2838	18,586,818
Maximum Allowable Construction Cost (MACC)		10,199,900	1.2000	12,253,140
EQUIPMENT				
E10 - Equipment	150,000			
E20 - Furnishings	350,000			
SubTotal:		500,000	1.2838	606,000
Sales Tax		47,500	1.2838	60,981
Total: Equipment		547,500	1.2838	702,881
ART WORK				
Higher Ed Artwork	61,424			
Total: Art Work		61,266	1.0000	61,266
OTHER COSTS				
Permits/Insurance/Connectivity	347,000			
Total: Other Costs		347,000	1.2502	433,819
PROJECT MANAGEMENT				
Agency Project Management	555,826			
Contract Construction Mgmt.	398,000			
Total: Project Management		953,826	1.2838	1,224,522

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 191

Cost Estimate Title: Anderson Hall Renovation 17-19

Report Number: CBS003

Date Run: 9/15/2016 5:19PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20091002	20091002
Cost Estimate Number	191	191
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:20PM

Project Number: 30000496

Project Title: Health Sciences Education Phase II - T-Wing Renovation

Description

Starting Fiscal Year: 2021

Project Class: Preservation

Agency Priority: 11

Project Summary

The University of Washington will request state funds in future biennia to fund the Phase II renovation of the 1973 Magnuson Health Sciences Center T Wing project. The Magnuson Health Sciences Center T Wing, which houses the vast majority of health sciences educational activities at the University of Washington, has approximately 235,000 assignable square feet of which 150,000 is dedicated to instructional space with the majority of the remainder consisting of the large Health Sciences University Library and Information Support space. Nearly all of this space – the educational heart of the health sciences at UW lacks the flexibility and technologies required for educating our future health sciences professionals.

Project Description

The Phase II Renovation will improve approximately 162,000 GSF of the central portion of the existing seven-story building. Infrastructure improvements to the 40-year building are the highest priority with the goal of extending the life of the facility for another 50 years as a modern health and life sciences educational facility. Increases in the high demand health sciences student enrollment are also a critical reason for the development of additional space in Phase I and space efficiency improvements in this phase and future phases. UW has evaluated multiple options to address program needs including building replacement and construction of a new facility at an alternative on-campus location. Renewing the existing instructional facility was determined to be the most capital and operating cost effective alternative. This is the second phase of a planned long-term four-phase capital renewal program for central health and life science instructional space at the UW and will reduce the deferred maintenance backlog associated with the building.

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Fund	ding					
			Expenditures	5	2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	110,000,000				
	Total	110,000,000	0	0	0	0
		F	uture Fiscal Per	riods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State		2,000,000	10,000,000	98,000,000	
	Total	0	2,000,000	10,000,000	98,000,000	

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:20PM

Project Number: 30000496

Project Title: Health Sciences Education Phase II - T-Wing Renovation

Schedule and Statistics

	Start Date	End Date
Predesign	07/01/2021	06/01/2022
Design	7/1/2022	6/1/2023
Construction	7/1/2023	9/1/2025
Gross Square Feet: Usable Square Feet: Efficiency: Escalated MACC Cost per Sq. Ft.:	Total 162,400 146,160 90.0% 410	

Construction Type: College Classroom Facilities

Is this a remodel? Yes
A/E Fee Class:

A/E Fee Percentage:

9.00%

Cost Summary

Acquisition Costs Total	Escalated Cost 0	% of Project 0.0%
Consultant Services		
Pre-Schematic Design Services	201,110	0.2%
Construction Documents	4,349,913	4.0%
Extra Services	1,049,536	1.0%
Other Services	2,044,025	1.9%
Design Services Contingency	953,340	0.9%
Consultant Services Total	8,597,923	7.8%
aximum Allowable Construction Cost(MACC) 66,6	02,266	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	66,602,266	60.6%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	9,398,250	8.5%
Construction Contingencies	6,660,227	6.1%
Non Taxable Items	0	0.0%
Sales Tax	7,852,771	7.1%
Construction Contracts Total	90,513,513	82.3%
Equipment		
Equipment	5,638,950	5.1%
Non Taxable Items	0	0.0%
Sales Tax	535,700	0.5%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:20PM

Project Number: 30000496

Project Title: Health Sciences Education Phase II - T-Wing Renovation

Cost Summary

Equipment Total	<u>Escalated Cost</u> 6,174,650	<u>% of Project</u> 5.6%
Art Work Total	333,011	0.3%
Other Costs Total	1,824,150	1.7%
Project Management Total	2,557,167	2.3%
Grand Total Escalated Costs	110,000,414	
Rounded Grand Total Escalated Costs	110,000,000	

Operating Impacts

No Operating Impact

Narrative

Although there will likely be a limited increase in the total assignable square feet when this phase of the project is completed, the UW anticipates there will be no request for additional operating and maintenance funds.

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000496	30000496
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 194 Report Number: CBS003
Cost Estimate Title: HS Education Ph II T-Wing Renovation 17-19 Date Run: 9/15/2016 5:21PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000496

Project Title: Health Sciences Education Phase II - T-Wing Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 162,400
Usable Sq. Ft.: 146,160
Space Efficiency: 90%
MACC Cost per Sq. Ft.: 327
Escalated MACC Cost per Sq. Ft.: 410
Remodel? Yes

Construction Type: College Classroom Facilities

A/E Fee Class: B

A/E Fee Percentage: 9.00%

Schedule	Start Date	End Date
Predesign:	07-2021	06-2022
Design:	07-2022	06-2023
Construction:	07-2023	09-2025
Duration of Construction (Months):	26	

		•	,
2004	Cummon.	Ecopleted	

Cost Summary Escalated		
Acquisition Costs Total		0
Pre-Schematic Design Services	201,110	
Construction Documents	4,349,913	
Extra Services	1,049,536	
Other Services	2,044,025	
Design Services Contingency	953,340	
Consultant Services Total		8,597,923
Site work	0	
Related Project Costs	0	
Facility Construction	66,602,266	
Construction Contingencies	6,660,227	
Non Taxable Items	0	
Sales Tax	7,852,771	
Construction Contracts Total		90,513,513
Maximum Allowable Construction Cost(MACC) 66,602,266		
Equipment	5,638,950	
Non Taxable Items	0	
Sales Tax	535,700	
Equipment Total		6,174,650
Art Work Total		333,011
Other Costs Total		1,824,150
Project Management Total		2,557,167

Additional Details

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Grand Total Escalated Costs

Yes

110,000,414

110,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 194 Report Number: CBS003
Cost Estimate Title: HS Education Ph II T-Wing Renovation 17-19 Date Run: 9/15/2016 5:21PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000496

Project Title: Health Sciences Education Phase II - T-Wing Renovation

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 06-2016

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 194 Analysis Date: August 28, 2016

Cost Estimate Title: HS Education Ph II T-Wing Renovation 17-19

Detail Title: HS Education PH II T-Wing Renovation (bh)

Project Number: 30000496

Project Title: Health Sciences Education Phase II - T-Wing Renovation

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 162,400 Usable Sq. Ft.: 146,160

Rentable Sq. Ft.:

Space Efficiency: 90% Escalated MACC Cost per Sq. Ft.: 410 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities

Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 9.00%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years): 50

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date	
Predesign:	07-2021	06-2022	
Design:	07-2022	06-2023	
Construction:	07-2023	09-2025	
Duration of Construction (Months):	26		
State Construction Inflation Rate:	2.80%		
Base Month and Year:	6-2016		

Project Cost Summary

MACC:	\$ 53,150,000
MACC (Escalated):	\$ 66,602,266
Current Project Total:	\$ 88,101,494
Rounded Current Project Total:	\$ 88,101,000
Escalated Project Total:	\$ 110,024,572
Rounded Escalated Project Total:	\$ 110,025,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Programming/Site Analysis	20,000			
Predesign Study	150,000		_	
SubTotal: Pre-Schematic Design Services		170,000	1.1830	201,110
Construction Documents A/E Basic Design Services				3,630,676
SubTotal: Construction Documents			•	4,349,913
Extra Services			-	
Geotechnical Investigation	49,000			
Commissioning (Systems Check)	100,000			
Testing	100,000			
Leadership Energy & Environment Design List(LEED)	50,000			
Environmental Mitigation Services (EIS)	100,000			
Specialty Consultant	365,000			
Reimbursable	112,000			
SubTotal: Extra Services		876,000	1.1981	1,049,536
Other Services Bid/Construction/Closeout			-	1,631,174
SubTotal: Other Services			-	2,044,025
<u>Design Services Contingency</u>			-	· · · · · · · · · · · · · · · · · · ·
Design Services Contingency	630,785			
CO Design Allowance	130,000			
SubTotal: Design Services Contingency		760,785	1.2531	953,340
Total: Consultant Services		7,068,635	1.2163	8,597,923
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	46,150,000			
Estimating Contingency	2,000,000			
Hazardous Materials in Demolition	5,000,000		_	
SubTotal: Facility Construction		53,150,000	1.2531	66,602,266
GCCM or Design Build Costs				
GCCM Fee	4,000,000			
Bid General Conditions	2,500,000			
Support Services	1,000,000		-	
SubTotal: GCCM or Design Build Costs		7,500,000	1.2531	9,398,250
Construction Contingencies Allowance for Change Orders	5,315,000			
SubTotal: Construction Contingencies		5,315,000	1.2531	6,660,227
Sales Tax		6,266,675	1.2531	7,852,771
			-	
Total: Construction Contracts		72,231,675	1.2531	90,513,513
Maximum Allowable Construction Cost (MACC)		53,150,000	1.2500	66,602,266
EQUIPMENT				
	2 500 000			
E10 - Equipment	2,500,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
EQUIPMENT				
E20 - Furnishings	2,000,000			
SubTotal:		4,500,000	1.2531	5,638,950
Sales Tax		427,500	1.2531	535,700
Total: Equipment		4,927,500	1.2531	6,174,650
ART WORK				
Higher Ed Artwork	258,228			
Total: Art Work		333,011	1.0000	333,011
OTHER COSTS				
Permits/ Insurance/Connections	1,500,000			
Total: Other Costs		1,500,000	1.2161	1,824,150
PROJECT MANAGEMENT				
Agency Project Management	1,340,673			
Construction Management	700,000			
Total: Project Management		2,040,673	1.2531	2,557,167

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 194 Report Number: CBS003
Cost Estimate Title: HS Education Ph II T-Wing Renovation 17-19 Date Run: 9/15/2016 5:21PM

Parameter Entered As Interpreted As Associated or Unassociated Associated Associated 2017-19 Biennium 2017-19 360 Agency 360 Version 03-A 03-A **Project Classification** All Project Classifications Capital Project Number 30000496 30000496 Cost Estimate Number 194 194 Sort Order Cost Estimate Title Title Include Page Numbers Yes For Word or Excel Ν Ν User Group Agency Budget Agency Budget User Id All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:22PM

Project Number: 30000488

Project Title: UW College of Engineering Classroom and Research Renovation

Description

Starting Fiscal Year: 2020
Project Class: Preservation

Agency Priority: 12

Project Summary

The University of Washington will request state funds in future biennia to design and construct the project which serves critical immediate instructional and research needs of the UW College of Engineering.

Project Description

Approximately 13,800 square feet of engineering research space capacity was identified to support engineering research programs requiring relocation from the former WTC Fluke Hall facility. The most cost efficient mid to long term solution research needs utilizing existing UW space. The College of Engineering's Mechanical Engineering Building – an aging classroom and research building in the heart of the existing College of Engineering Precinct will continue to serve general research and classroom needs for the UW for another 40-50 years. The research renovation will be generic and highly flexible to allow long term use as research facilities by multiple UW academic disciplines when/if the College of Engineering moves to new future facilities.

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Fund	ding					
			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	17,000,000				
	Total	17,000,000	0	0	0	0
		Fu	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State			2,000,000	15,000,000	
	Total	0	0	2,000,000	15,000,000	
Sche	edule and Statistics					

Start Date End Date

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:22PM

Project Number: 30000488

Project Title: UW College of Engineering Classroom and Research Renovation

Schedule and Statistics

	Start Date	End Date
Predesign	07/01/2019	12/01/2019
Design	1/1/2020	6/1/2021
Construction	7/1/2021	6/1/2023
	Total	

Gross Square Feet: 60,000
Usable Square Feet: 54,000
Efficiency: 90.0%
Escalated MACC Cost per Sq. Ft.: 274

Construction Type: College Classroom Facilities

Is this a remodel? Yes
A/E Fee Class:
B
A/E Fee Percentage: 10.62%

Cost Summary

Acquisition Costs Total	Escalated Cost 0	% of Project 0.0%
Consultant Services		
Pre-Schematic Design Services	0	0.0%
Construction Documents	0	0.0%
Extra Services	573,986	2.0%
Other Services	79,513	0.3%
Design Services Contingency	258,683	0.9%
Consultant Services Total	2,755,325	9.4%
aximum Allowable Construction Cost(MACC) 16,4	20,938	
Site work	1,356,960	4.6%
Related Project Costs	0	0.0%
Facility Construction	15,063,978	51.3%
GCCM Risk Contingency	635,000	2.2%
GCCM or Design Build Costs	1,485,900	5.1%
Construction Contingencies	1,971,731	6.7%
Non Taxable Items	0	0.0%
Sales Tax	1,911,806	6.5%
Construction Contracts Total	22,036,080	75.0%
Equipment		
Equipment	1,546,073	5.3%
Non Taxable Items	0	0.0%
Sales Tax	144,666	0.5%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:22PM

Project Number: 30000488

Project Title: UW College of Engineering Classroom and Research Renovation

Cost Summary Equipment Total Escalated Cost 1,667,464 % of Project 5.7% Art Work Total 82,105 0.3% Other Costs Total 1,018,115 3.5% Project Management Total 1,822,296 6.2%

29,381,385

Rounded Grand Total Escalated Costs 29,381,000

Operating Impacts

Grand Total Escalated Costs

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000488	30000488
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington **Cost Estimate Summary**

2017-19 Biennium

Cost Estimate Number: 196 Report Number: CBS003 CoE - Academic Building Renovation 17-19 **Cost Estimate Title:** Date Run: 9/15/2016 5:23PM

03 Final OFM Submission 2017-19 Agency Preferred: Yes Version:

Project Number: 30000488

Project Title: UW College of Engineering Classroom and Research Renovation

Project Phase Title:

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Statistics

Gross Sq. Ft.: 60,000 Usable Sq. Ft.: 54.000 Space Efficiency: 90% MACC Cost per Sq. Ft.: 216 Escalated MACC Cost per Sq. Ft.: 274 Remodel?

Construction Type: College Classroom Facilities

A/E Fee Class: В A/E Fee Percentage: 10.62%

Schedule Start Date End Date Predesign: 07-2019 12-2019 Design: 01-2020 06-2021 07-2021 Construction: 06-2023 Duration of Construction (Months): 23

Cost Summar	y Escalated
-------------	-------------

Acquisition Costs Total		0
Pre-Schematic Design Services	0	
Construction Documents	0	
Extra Services	573,986	
Other Services	79,513	
Design Services Contingency	258,683	
Consultant Services Total		2,755,325
Site work	1,356,960	
Related Project Costs	0	
Facility Construction	15,063,978	
Construction Contingencies	1,971,731	
Non Taxable Items	0	
Sales Tax	1,911,806	
Construction Contracts Total		22,036,080
Maximum Allowable Construction Cost(MACC) 16,420,938		
Equipment	1,546,073	
Non Taxable Items	0	
Sales Tax	144,666	
Equipment Total		1,667,464
Art Work Total		82,105

Additional Details

Other Costs Total

Project Management Total

Grand Total Escalated Costs

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Yes

1,018,115

1,822,296 29,381,385

29,381,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 196 Report Number: CBS003
Cost Estimate Title: CoE - Academic Building Renovation 17-19 Date Run: 9/15/2016 5:23PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000488

Project Title: UW College of Engineering Classroom and Research Renovation

Project Phase Title:

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Additional Details

State Construction Inflation Rate: 2.80%
Base Month and Year: 08-2014
Project Administration By: AGY
Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 196 Analysis Date: August 28, 2014

Cost Estimate Title: CoE - Academic Building Renovation 17-19

Detail Title: UW CoE - Academic Bldg Renovation

Project Number: 30000488

Project Title: UW College of Engineering Classroom and Research Renovation

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Statistics

Gross Sq. Ft.: 60,000 Usable Sq. Ft.: 54,000

Rentable Sq. Ft.:

Space Efficiency: 90% Escalated MACC Cost per Sq. Ft.: 274 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities

Remodel? Yes
A/E Fee Class: B
A/E Fee Percentage: 10.62%
Contingency Rate: 10.00%

Contingency Explanation

Projected Life of Asset (Years): 40

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date		
Predesign:	07-2019	12-2019		
Design:	01-2020	06-2021		
Construction:	07-2021	06-2023		
Duration of Construction (Months):	23			
State Construction Inflation Rate:	2.80%			
Base Month and Year:	8-2014			

Project Cost Summary

MACC:	\$ 12,961,400
MACC (Escalated):	\$ 16,420,938
Current Project Total:	\$ 23,777,659
Rounded Current Project Total:	\$ 23,778,000
Escalated Project Total:	\$ 27,995,561
Rounded Escalated Project Total:	\$ 27,996,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Construction Documents				4 000 045
A/E Basic Design Services				1,066,015
SubTotal: Construction Documents				0
Extra Services Civil Perian (Above Regio Services)	15 000			
Costochaigal Investigation	15,000 35,000			
Geotechnical Investigation				
Commissioning (Systems Check)	50,000			
Site Survey	8,000 50,000			
Testing				
Leadership Energy & Environment Design List(LEED) Voice/Data Consultant	20,000 30,000			
	35,000			
Interior Furnishing Consultant				
Hospital/Lab Consultant	45,000			
Document Reproduction	9,000			
Electronic/Audio Visual Consultant	40,000			
Renderings and Presentations	2,000			
Specialty Consultants	134,000			
SubTotal: Extra Services		473,000	1.1845	573,986
Other Services				470.024
Bid/Construction/Closeout	20.000			478,934
HVAC Balancing	20,000			
Small contracts (Attorney & DRB)	10,000			
As-builts	13,000			
Reimbursables	20,000			
		541,934	1.2431	
SubTotal: Other Services				79,513
Design Services Contingency	000.005			
Design Services Contingency	208,095			
SubTotal: Design Services Contingency		208,095	1.2431	258,683
Total: Consultant Services		2,289,044	1.2037	2,755,325
CONSTRUCTION CONTRACTS				
Site work				
G20 - Site Improvements	1,100,000			
SubTotal: Site work		1,100,000	1.2106	1,356,960
Facility Construction				
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			
Total Facilities	1,720,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
Escalation Adjustment	86,400			
SubTotal: Facility Construction		11,861,400	1.2431	15,063,978
GCCM Risk Contingency GCCM Risk Contingency	500,000			
SubTotal: GCCM Risk Contingency				635,000
GCCM or Design Build Costs 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	1.2431	1,485,900
Construction Contingencies Allowance for Change Orders	1,296,140			
Management Reserve	290,000			
SubTotal: Construction Contingencies		1,586,140	1.2431	1,971,731
Sales Tax		1,540,666	1.2409	1,911,806
Total: Construction Contracts		17,758,206	1.2409	22,036,080
Maximum Allowable Construction Cost (MACC)		12,961,400	1.2700	16,420,938
EQUIPMENT				
E10 - Equipment	520,000			
E20 - Furnishings	425,000			
Moveable Equipment	280,000			
SubTotal:		1,225,000	1.2431	1,546,073
Sales Tax		116,375	1.2431	144,666
Total: Equipment		1,341,375	1.2431	1,667,464
ART WORK				
Total: Art Work		82,105	1.0000	82,105
OTHER COSTS				
Hazardous Material Remediation/Removal	258,000			
Other	100,000			
Advertising	5,000			
Metro Connection Fee	10,000			
In Plant Services	26,000 125,000			
Utilities and Temporary Facilities	125,000			
Building and Other Permits Builders Risk	157,000 30,000			
Connectivity	55,000			
Telecommunications Cable Plant	75,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
OTHER COSTS				
Total: Other Costs		841,000	1.2106	1,018,115
PROJECT MANAGEMENT				
Agency Project Management	639,929			
PM Fee Formula Adjustment	826,000			
Total: Project Management		1,465,929	1.2431	1,822,296

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 196
Cost Estimate Title: CoE - Academic Building Renovation 17-19

Report Number: CBS003

Date Run: 9/15/2016 5:23PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000488	30000488
Cost Estimate Number	196	196
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:34PM

Project Number: 30000604

Project Title: UW Minor Capital Repairs - Preservation

Description

Starting Fiscal Year: 2016
Project Class: Preservation

Agency Priority: 93

Project Summary

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete minor capital projects as approved and appropriated in the 2015-17 Capital Budget.

Project Description

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete minor capital projects as approved and appropriated in the 2015-17 Capital Budget.

Location

City: Seattle County: King Legislative District: 043

Project Type

Facility Preservation (Minor Works)
Health, Safety and Code Requirements (Minor Works)
Infrastructure Preservation (Minor Works)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the UW acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The project is consistent with the Seattle Campus Master Plans which serve as a general regulatory guide to UW Campus land use. The UW is currently undergoing an update of the Campus Master Plan which this project will be evaluated when approved.

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
064-1	UW Building Account-State	28,175,000		18,175,000	10,000,000	
	Total	28,175,000	0	18,175,000	10,000,000	0
		Fi	uture Fiscal Peri	iods		
064.1	LIM Duilding Assessed Otata	2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProjects

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:34PM

Project Number: 30000604

Project Title: UW Minor Capital Repairs - Preservation

SubProjects

SubProject Number: 91000017

SubProject Title: Plug - Minor Works Reduction

Starting Fiscal Year: 2018

Project Class: Preservation

Agency Priority: 93

Project Summary

The University of Washington is requesting a 2017-19 reappropriation of 2015-17 funds to continue and complete this minor capital project as approved and appropriated in the 2015-17 Capital Budget.

Project Description

The University of Washington is requesting a 2017-19 reappropriation of 2015-17 funds to continue and complete this minor capital project as approved and appropriated in the 2015-17 Capital Budget.

Location

City: Seattle County: King Legislative District: 043

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the UW acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The project is consistent with the Seattle Campus Master Plans which serve as a general regulatory guide to UW Campus land use. The UW is currently undergoing an update of the Campus Master Plan which this project will be evaluated when approved.

<u>Fundir</u>	<u>ng</u>		Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
064-1	UW Building Account-State					
	Total	0	0	0	0	0
		F	Future Fiscal Per	riods		
		2019-21	2021-23	2023-25	2025-27	
064-1	UW Building Account-State					
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

SubProject Number: 30000606

SubProject Title: Building Repair & Renewal: Anderson Hall Roof Replacement



UNIVERSITY of WASHINGTON

TAB C Programmatic

- UW Preservation Projects Capital Request Summary
- Capital Project Requests CBS002 and CBS003 Reports
- Request for Reappropriations CBS002 Reports
- Growth Management Act Information



TAB C - UW PROGRAMMATIC PROJECTS

<u>Population Health Sciences - Research Bdg. - 2017-19 Request</u>

\$20M for Academic Component

The University of Washington is requesting \$20 million in 2017-19 state funds for the academic component of a new Population Health Research (PHR) building. The PHR building of 300,000 GSF will house the Institute of Health Metrics(IHME), the Department of Global Health (DGH) and selected portions of the School of Public Health (SPH) in close proximity to UW Medical Center, the UW Health Sciences Complex and the core of the UW campus. The building will support 1,500 plus students of which 30 will be IHME students.

The UW, in partnership with an external donor, expects to announce this Fall the donation of \$210 million to support the construction of the new Population Health Research building. Additional funds will be raised to promote the health and well-being of communities and people around the world.

Population Health Sciences - T-Wing Addition - 2017-19 Request

\$10M for Design Phase

The University of Washington is requesting \$10 million in 2017-19 state funds for the Design of Phase I T-Wing addition/renovation classroom facility project. Construction funding will be requested in 2019-22. This project will provide 120K GSF of new education space and a renovation of 400K GSF existing space in the MHSC T-Wing. The project will provide a shared instructional facility or the six schools of Health Sciences (Dentistry, Medicine, Nursing, Pharmacy, Public Health and Social Work) and other UW academic partner disciplines in the life sciences, environmental sciences and engineering departments.

<u>College of Engineering - Interdisciplinary Educ. & Research -2017-19 Request</u>

\$1M for Pre-Design Phase

The University of Washington is requesting \$1 million in state funds in the 2017-19 biennium for the Pre-Design of a College of Engineering (CoE) Interdisciplinary Education and Research Center(IERC). This center will help address the estimated 40% growth of CoE students and accommodate the increasing interdisciplinary nature of engineering education. The projected growth in the next ten years is 1,400 undergraduate degrees and 1,000 graduate degrees. The existing civil, environmental, and mechanical programs are located in buildings constructed in the 1950's and 1960's. The building systems and classroom/laboratories layouts have exceeded the intended lifecycles. This new center will provide an opportunity for engineers from various disciplines to collaborate in a durable highly functional and flexible research and student focused educational setting. The new classrooms and research labs, being designed as multidisciplinary,

collaborative space, will allow for greater range of uses and users. These new efficiencies will allow the UW to increase the hours per week utilization rate within the CoE. This facility will provide an opportunity to co-locate multiple engineering disciplines and facilitate collaboration with colleges across the campus.

UW Bothell Ph4 - Academic STEM Bdg. - 2017-19 Request

\$3M for Design Phase

The University of Washington is requesting \$3 million in 2017-19 state funds for the Design phase of the UW Bothell Phase 4- Academics STEM facility. The UW Bothell Phase 4 project scope is for anew 115,000 SF Academic STEM building to support the degree development in the campus' growing academic areas of Science, Technology, Engineering and Math (STEM). The facility will include general classrooms, computer class labs, and engineering labs specific to new degree development in a variety of High Demand related computer science and engineering fields including civil, manufacturing, robotics, and materials science. The facility will accommodate at least 1,200 new FTE students and will increase the collocated campus design capacity to over 5,600 FTE.

<u>UW Tacoma Ph4 - Academic Bdg. - 2017-19 Request</u>

\$0.5M for Pre Design Phase

The University of Washington is requesting \$.05 million in 2017-19 state funds for the Pre Design phase of a new UW Tacoma (UWT) building. This Academic Building will address the legislative mandate to provide a 4 year curriculum and accommodate the projected increase of students for the next 5-10 years. The additional space is needed for new proposed degree programs and to address the pattern of sustained growth of students from the communities of the South Puget Sound region. Currently UWT is operating at 75-80% utilization rate for classroom hours (HECB target is 67%), and at the current projected growth rate UWT will run out of classroom space by 2019.

This facility will be home to the Milgard School of Business and offer programs of study leading to a Bachelor of Arts in Business Administration, Master of Business Administration, Master of Accounting and support the growth of the Institute of Technology through Mechanical Engineering, Environmental Engineering, and Cybersecurity programs. The Milgard School of the Institute of Technology will offer the following degrees: Computer Science and Systems BA/BS and MS; Information Technology, BS; Electrical Engineering, BS; Computer Science and Systems, BA/BS and MS; Master of Cybersecurity; and leadership with Mechanical, Industrial, and environmental engineering degrees anticipated in the near future.

Ctr for Advanced Materials and Clean Energy - 2017-19 Request

\$10M for Design Phase

The University of Washington (UW) is requesting \$10 million in 2017-19 State Funds for the Center for Advanced Materials and Clean Energy Technologies (CAMCET) research building. This facility will help address the growing need for teaching and research capacity across Science, Technology, Engineering, and Mathematics (STEM) fields. CAMCET is to be a clean technology education and research hub that connects Washington to the world by catalyzing key partnerships (industry, business and national labs) needed to accelerate solutions for a healthy planet. CAMCET will be a highly interdisciplinary center with faculty from Chemical Engineering, Chemistry, Computer Science & Engineering, Material Science, Physics, and Bioengineering. This building will house advanced learning laboratories, research labs, meeting room, multi-disciplinary space, interaction space, offices that will foster collaborative cleantech research for a healthy planet. This facility will help address the growing need for teaching and research capacity across Science, Technology, Engineering, and Mathematics (STEM) fields. CAMCET is to a be a clean technology education and research hub that connects Washington to the world by catalyzing key partnerships with industry, business and national labs needed to accelerate solutions for a healthy planet. CAMCET will be a highly interdisciplinary center with faculty from Chemical Engineering, Computer Science & Engineering, Material Science, Physics and Bioengineering. This building will house advanced learning laboratories, research labs, meeting rooms, multi-disciplinary space, interaction spaces and offices that will foster collaborative clean technology research.

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:24PM

Project Number: 30000811

Project Title: Population Health Sciences Building

Description

Starting Fiscal Year: 2018
Project Class: Program
Agency Priority: 2

Project Summary

The University of Washington is requesting \$20 million in 2017-19 state funds for the academic component of a new Population Health Research (PHR) building. The PHR building of 300,000 GSF will house the Institute of Health Metrics(IHME), the Department of Global Health (DGH) and selected portions of the School of Public Health (SPH) in close proximity to UW Medical Center, the UW Health Sciences Complex and the core of the UW campus. The building will support 1,500 plus students of which 30 will be IHME students. This facility will create spaces for interdisciplinary learning and collaborative research across health sciences and across campus. This new building will focus on the following features: •Foster greater intellectual exchange and opportunities interaction of experts in area such as biostatistics, epidemiology, environmental health and health sciences who will collaborate in health measurement and evaluation; •Serve as a gathering space for students, faculty and trainees from across the population health disciplines and programs to share ideas, develop projects, engage in research and learning, and prepare for careers that will advance health and wellness programs; •Provide physical space to collaborate in research and learning about populations health and relationships to social and economic equity and environmental resilience; •Create a magnet for technology and health sector industries, visionaries, civic leaders and entrepreneurs to work alongside students, staff, and faculty; and *Teach today's educators and tomorrow's leaders diverse approaches to harnessing the power of interdisciplinary research in population health. The UW, in partnership with an external donor, expects to announce this Fall the donation of \$210 million to support the construction of the new Population Health Research building. The UW is requesting \$20 million in state funds for the educational component of the facility and the establishment of a Population Health Collaborative to guide the UW, regional and global partnerships.

Project Description

Identify the Problem: The UW is requesting \$20 million in state funds for the educational component of the facility.

What will the request produce: The PHR building of 300,000 GSF will house the Institute of Health Metrics(IHME), the Department of Global Health (DGH) and selected portions of the School of Public Health (SPH) in close proximity to UW Medical Center, the UW Health Sciences Complex and the core of the UW campus. PHR will enable the UW to co-locate faculty, students and staff, currently spread across and beyond the Main Campus, to work closer in a research and learning environment supportive of collaboration and in setting.

How would the request address the problem: The PHR will enable the UW to focus on five areas of development and achievement in population health:

Education and Capacity Building-The facility will provide the learning environment for interdisciplinary programs for undergraduates and graduate students to build disciplinary expertise alongside the skills and tools for collaboration.

Diagnostics and Critical Assessment- The UW will expand and strengthen the ability to extract knowledge from data by drawing on data science and field research in areas of population health . This area of research and study will strengthen the democratization, dissemination and use of data to develop a better understanding of the complexities related to social equity and environmental resilience.

Developing and Testing Innovations- This facility will provide a wide range of opportunities to test innovations that will lead to results that improve population health.

Implementation Science- The co-location of key Population Health partners in one facility will help foster broader partnerships and higher quality implementation of community interventions and/or changes in health care programs.

Strategy and Planning- The facility will support interdisciplinary research and study that will provide data based evidence, tools, and the decision making support for programs to serve the populations around the region, country and world. Which clientele would be impacted: The building will support 1,500 plus students of which 30 will be IHME students. Undergraduate and Advanced degrees in Public Health, Global Health, IHME are high demand degrees. Will non-state funds be used: The UW, in partnership with an external donor, expects to announce this Fall the donation of \$210 million to support the construction of the new Population Health Research building(PHR). Additional funds will be raised to promote the health and well-being of communities and people around the world.

<u>Describe how this project supports the agency's strategic Master plan:</u> This facility will provide a wide range of opportunities to test innovations that will lead to results that improve population health. Interdisciplinary research and study will provide data

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:24PM

Project Number: 30000811

Project Title: Population Health Sciences Building

Description

based evidence, tools, and the decision making support for programs to serve the populations around the region, country and world.

Location

City: Seattle County: King Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Mangement Act, which the University of Washington acknowledges through the development of the Campus Master Plan.

New Facility: Yes

How does this fit in master plan

In 2003 the UW Seattle campus completed its Campus Master Plan for the city of Seattle as determined by the Seattle Municipal Code (SMC) Chapter 23 section 69. The 2003 Seattle Master Plan, built on and replaced the 1992 General Physical Development Plan and included guidelines and policies for developing three million gross square feet of additional building space on campus. The new 2018 Seattle Campus Master Plan is well underway with a draft document being unveiled in October of 2016. No changes are proposed to the Master Plan as a result of this project. This plan is consistent with the City of Seattle and Growth Management Act.

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			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1 148-6	State Bldg Constr-State HE - Dedicated Locl-Non-Appropria	20,000,000 210,000,000				20,000,000 210,000,000
	Total	230,000,000	0	0	0	230,000,000
		F	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State					
148-6	HE - Dedicated Locl-Non-Appropria					
	Total	0	0	0	0	

Schedule and Statistics

Start Date End Date

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:24PM

Project Number: 30000811

Project Title: Population Health Sciences Building

Schedule and Statistics

	Start Date	End Date
Predesign	10/01/2018	05/01/2019
Design	7/1/2019	4/1/2020
Construction	6/1/2020	7/1/2022
	Total	
Gross Square Feet:	300,000	
Usable Square Feet:	200,000	
Efficiency:	66.7%	
Escalated MACC Cost per Sq. Ft.:	429	
Construction Type:	Laboratories	
Is this a remodel?	No	
A/E Fee Class:	Α	
A/E Fee Percentage:	5.96%	

Cost Summary

	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	669,695	0.3%
Construction Documents	6,450,890	2.8%
Extra Services	3,671,960	1.6%
Other Services	2,641,024	1.2%
Design Services Contingency	696,651	0.3%
Consultant Services Total	14,139,008	6.2%
eximum Allowable Construction Cost(MACC) 128,8	37,096	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	128,837,096	56.0%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	26,319,920	11.4%
Construction Contingencies	8,073,997	3.5%
Non Taxable Items	837,452	0.4%
Sales Tax	15,671,547	6.8%
Construction Contracts Total	179,754,355	78.2%
Equipment		
Equipment	20,686,152	9.0%
Non Taxable Items	0	0.0%
Sales Tax	1,986,053	0.9%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:24PM

Project Number: 30000811

Project Title: Population Health Sciences Building

Cost Summary

Equipment Total	<u>Escalated Cost</u> 22,674,107	<u>% of Project</u> 9.9%
Art Work Total	100,000	0.0%
Other Costs Total	8,523,899	3.7%
Project Management Total	4,828,847	2.1%
Grand Total Escalated Costs	230,020,216	
Rounded Grand Total Escalated Costs	230,020,000	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000811	30000811
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington **Cost Estimate Summary**

2017-19 Biennium

Cost Estimate Number: 187 Report Number: CBS003 **Cost Estimate Title:** Population Health Science Building Date Run: 9/15/2016 5:25PM

03 Final OFM Submission 2017-19 Agency Preferred: Yes Version:

Project Number: 30000811

Project Title: Population Health Sciences Building

Project Phase Title:

Contact Info Contact Name: Alan Nygard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 300,000 Usable Sq. Ft.: 200.000 Space Efficiency: 67% MACC Cost per Sq. Ft.: 395 Escalated MACC Cost per Sq. Ft.: 429 Remodel? Construction Type: Laboratories

A/E Fee Class: Α

A/E Fee Percentage: 5.96%

Schedule	Start Date	End Date
Predesign:	10-2018	05-2019
Design:	07-2019	04-2020
Construction:	06-2020	07-2022
Duration of Construction (Months):	25	

Cost Summary Es	calated
-----------------	---------

Acquisition Costs Total	0
Pre-Schematic Design Services	669,695
Construction Documents	6,450,890
Extra Services	3,671,960
Other Services	2,641,024
Design Services Contingency	696,651
Consultant Services Total	14,139,008
Site work	0
Polated Project Costs	۸

Related Project Costs **Facility Construction** 128,837,096 **Construction Contingencies** 8,073,997 Non Taxable Items 837,452 Sales Tax 15,671,547

Construction Contracts Total 179,754,355

Maximum Allowable Construction Cost(MACC) 128,837,096

20,686,152 Equipment Non Taxable Items Sales Tax 1,986,053

Equipment Total 22,674,107 **Art Work Total** 100,000 **Other Costs Total** 8,523,899 **Project Management Total** 4,828,847

230,020,216 **Grand Total Escalated Costs**

Rounded Grand Total Escalated Costs 230,020,000

Additional Details

Alternative Public Works Project:

Yes

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 187

Cost Estimate Title: Population Health Science Building

Date Run: 9/15/2016 5:25PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000811

Project Title: Population Health Sciences Building

Project Phase Title:

Contact Info Contact Name: Alan Nygard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 06-2018

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 187 Analysis Date: July 01, 2016

Cost Estimate Title: Population Health Science Building

Detail Title: Population Health Science Building #1

Project Number: 30000811

Project Title: Population Health Sciences Building

Project Phase Title:

Location: Seattle

Contact Info Contact Name: Alan Nygard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 300,000 Usable Sq. Ft.: 200,000

Rentable Sq. Ft.:

Space Efficiency: 67% Escalated MACC Cost per Sq. Ft.: 429 Escalated Cost per S. F. Explanation

Construction Type: Laboratories

Remodel? No
A/E Fee Class: A

A/E Fee Percentage: 5.96%

Contingency Rate: 5.00%

Contingency Explanation

Projected Life of Asset (Years): 30
Location Used for Tax Rate: Seattle
Tax Rate: 9.60%
Art Requirement Applies: No
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	10-2018	05-2019
Design:	07-2019	04-2020
Construction:	06-2020	07-2022
Duration of Construction (Months):	25	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	6-2018	

Project Cost Summary

MACC:	\$ 118,460,000
MACC (Escalated):	\$ 128,837,096
Current Project Total:	\$ 212,161,498
Rounded Current Project Total:	\$ 212,161,000
Escalated Project Total:	\$ 229,993,933
Rounded Escalated Project Total:	\$ 229,994,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Predesign Services	650,000			
SubTotal: Pre-Schematic Design Services		650,000	1.0303	669,695
Construction Documents A/E Basic Design Services				5,176,812
Architectual Commission	25,000			
Additional Design	1,000,000			
		6,201,812	1.0411	
SubTotal: Construction Documents				6,450,890
Extra Services				
Civil Design (Above Basic Services)	200,000			
Geotechnical Investigation	117,000			
Commissioning (Systems Check)	1,550,000			
Site Survey	75,000			
Testing	150,000			
Leadership Energy & Environment Design List(LEED)	150,000			
Voice/Data Consultant	760,000			
Environmental Mitigation Services (EIS)	250,000			
Landscape Consultant	125,000			
Hazardous Material Consultant	150,000			
SubTotal: Extra Services		3,527,000	1.0411	3,671,960
Other Services		, ,		<u> </u>
Bid/Construction/Closeout				2,325,814
HVAC Balancing	105,000			
		2,430,814	1.0877	
SubTotal: Other Services		, ,		2,641,024
Design Services Contingency				
Design Services Contingency	640,481			
SubTotal: Design Services Contingency		640,481	1.0877	696,651
Total: Consultant Services		13,450,107	1.0512	14,139,008
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	118,460,000			
SubTotal: Facility Construction		118,460,000	1.0877	128,837,096
GCCM or Design Build Costs				
Bid General Conditions	12,000,000			
D/B Fee	6,700,000			
Support Service	5,500,000			
SubTotal: GCCM or Design Build Costs		24,200,000	1.0877	26,319,920
Construction Contingencies Allowance for Change Orders	5,923,000			
Other	1,500,000			
SubTotal: Construction Contingencies		7,423,000	1.0877	8,073,997
Non Taxable Items		.,,		
Tax on Design	770,000			
Non Taxable		770,000	1.0000	770,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
Sales Tax		14,407,968	1.0877	15,671,547
Total: Construction Contracts		165,260,968	1.0877	179,754,355
Maximum Allowable Construction Cost (MACC)		118,460,000	1.0900	128,837,096
EQUIPMENT				
E10 - Equipment E20 - Furnishings	12,000,000 7,020,000			
SubTotal:		19,020,000	1.0877	20,686,152
Sales Tax		1,825,920	1.0877	1,986,053
Total: Equipment		20,845,920	1.0877	22,674,107
ART WORK				
Artwork applies to 20,000,000	100,000			
Total: Art Work		100,000	1.0000	100,000
OTHER COSTS				
Mitigation Costs	2,000,000			
Hazardous Material Remediation/Removal	500,000			
Permits & Insurance	2,915,000			
Connectivity	2,500,000			
In Plant Services	150,000			
Total: Other Costs		8,065,000	1.0569	8,523,899
PROJECT MANAGEMENT				
Agency Project Management	2,889,003			
Additional Services	1,500,000			
Other	50,500			
Total: Project Management		4,439,503	1.0877	4,828,847

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 187

Cost Estimate Title: Population Health Science Building

Date Run: 9/15/2016 5:25PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000811	30000811
Cost Estimate Number	187	187
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:51PM

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Description

Starting Fiscal Year: 2018
Project Class: Program
Agency Priority: 3

Project Summary

The UW is requesting \$10M in state funds in the 2017-19 biennium for the design of Phase I T-wing addition/renovation classroom facility project. A re-appropriation request is included for the remaining Pre-Design Phase to be completed in mid-2017. State funds for construction will be requested in 2019-21 biennia. The project supports the creation of 120K GSF of new education space and a renovation of 400K GSF existing space in the T-wing. The project will establish education at the heart of the UW health Sciences Center missions and provide a shared instructional facility for the six schools of Health Sciences (Dentistry, Medicine, Nursing, Pharmacy, Public Health and Social Work) and other UW academic partner disciplines in the life sciences, the environmental sciences and engineering. The project will meet the immediate need for new and expanded classrooms and also facilitates the longer-range four-phase renovation plan for the T-wing.

Project Description

<u>Proposed Project</u>: The project is for 120K GSF of new space and a renovation of 400K GSF existing space to the T-Wing to meet the immediate need for new and expanded classroom facilities shared by all six UW health sciences schools. It is intended to facilitate a longer-range four-phase renovation plan for the T-wing.

<u>Problem Driving the Request</u>: The 40-year-old Magnuson Health Sciences Center lacks the flexibility and technologies required for educating our future health sciences professionals. T-Wing infrastructure, including mechanical, electrical, communications, and HVAC are inadequate to address modern teaching requirements. Existing classrooms are designed for didactic, lecture-based teaching and are unsuited to active, collaborative learning which is the current model. Current space limits the options for involving all six schools of Health Sciences for interprofessional and overlapping instructional activities. Health Sciences lacks the cutting-edge educational technologies essential to supporting in-person experiential learning, distance and distributed learning, and connections with local, regional, and global community partners.

The Project Supports Agency and Statewide Results: This project responds to the Results Washington goal of increasing the number of bachelor and advanced degrees within the Health Sciences and other in-demand STEM fields. This project also provides opportunities to promote access for underserved regions by the UW health sciences education programs throughout the region and state. Distance and distributed learning capacity, geographic reach, and connectivity improvements are at the core of health sciences education at the UW and will play a critical role in the scope of the work proposed with this project.

<u>Specific Benefits</u>: Phase I is critical for the UW to efficiently reuse the existing Magnuson Health Sciences Center by creating a more efficient utilization of the T-Wing at lower cost than constructing an entirely new building. The addition and renovation will add space required to meet the health sciences formal and informal educational requirements, accommodate projected growth in enrollment of undergraduate and graduate students in the health and life sciences, and achieve major space utilization efficiencies by supporting shared educational activities among all of the health and life sciences programs in one central location.

<u>Affected Clients</u>: The vision for UW Health Sciences Professionals education depends on creating effective space that encourages formal and informal interaction amongst students, faculty and staff from all six of the UW's Schools of Health Sciences (Dentistry, Medicine, Nursing, Pharmacy, Public Health Social Work), Life Sciences, and College of Engineering programs.

Other Affected State Programs: The UW's Health Sciences Schools are strongly positioned to advance the region and nation in developing and implementing innovative education. Complex 21st century health issues require interdisciplinary problem-solving and teamwork, this proposal will support the ability of UW health sciences graduates to provide leadership that will enhance patient safety and efficacy; and reduce needs for costly deep-end services for the region and the state.

<u>State Operating Budget Impact</u>: The repurposing of existing space will allow the UW to more efficiently operate and manage it, operating costs should be absorbed in existing resources.

Best Option or Alternative: The proposed project is the best option for the near and longer terms needs.

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:51PM

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Description

<u>Proposed Funding Strategy</u>: the UW requests \$10 million dollars in state funds for the 2017-19 biennium and will request construction funds in future biennia.

Location

City: Seattle County: King Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

New Facility: No

Fund	ling		Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1 148-6	State Bldg Constr-State HE - Dedicated Locl-Non-Appropria	60,623,000 33,000,000		473,000	150,000	10,000,000
	Total	93,623,000	0	473,000	150,000	10,000,000
		Fu	uture Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State	50,000,000				
148-6	HE - Dedicated Locl-Non-Appropris	33,000,000				
	Total	83,000,000	0	0	0	

Schedule and Statistics

Start Date End Date

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:51PM

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Schedule and Statistics

	Start Date	End Date
Predesign	10/01/2015	02/01/2016
Design	3/1/2016	6/1/2017
Construction	7/1/2017	7/1/2020
	<u>Total</u>	
Gross Square Feet:	120,000	
	400.000	

Usable Square Feet: 108,000
Efficiency: 90.0%
Escalated MACC Cost per Sq. Ft.: 456

Construction Type: College Classroom Facilities

Is this a remodel? No
A/E Fee Class:

A/E Fee Percentage:

6.11%

Cost Summary

Acquisition Costs Total	Escalated Cost 0	% of Project 0.0%
Consultant Services		
Pre-Schematic Design Services	623,220	0.7%
Construction Documents	2,482,162	2.6%
Extra Services	1,826,990	1.9%
Other Services	1,670,297	1.8%
Design Services Contingency	339,882	0.4%
Consultant Services Total	6,821,009	7.3%
aximum Allowable Construction Cost(MACC) 54,7	05,541	
Site work	1,646,048	1.8%
Related Project Costs	434,600	0.5%
Facility Construction	52,624,893	56.0%
GCCM Risk Contingency	1,726,910	1.8%
GCCM or Design Build Costs	2,293,110	2.4%
Construction Contingencies	5,540,097	5.9%
Non Taxable Items	0	0.0%
Sales Tax	6,105,237	6.5%
Construction Contracts Total	70,370,895	74.9%
Equipment		
Equipment	11,966,001	12.7%
Non Taxable Items	0	0.0%
Sales Tax	1,075,780	1.1%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:51PM

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Cost	Sum	mary

Equipment Total	<u>Escalated Cost</u> 12,399,780	<u>% of Project</u> 13.2%
Art Work Total	273,528	0.3%
Other Costs Total	2,136,059	2.3%
Project Management Total	1,980,194	2.1%
Grand Total Escalated Costs	93,981,465	
Rounded Grand Total Escalated Costs	93,981,000	

Operating Impacts

Total one time start up and ongoing operating costs

Total

Acct Code Account Title	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
FTE Full Time Employee	7.5	6.0	6.0	6.0	6.0
001-1 General Fund-State	618,500	495,000	495,000	495,000	495,000

495,000

495,000

495,000

Narrative

Start-up funds will be dedicated for staff instruction and training in the newly occupied building.

618,500

495,000

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000486	30000486
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington **Cost Estimate Summary**

2017-19 Biennium

Cost Estimate Number: 193 Report Number: CBS003 **Cost Estimate Title:** HS Education T-Wing Renovation/Addition 17-19 Date Run: 9/15/2016 5:52PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 120,000 Usable Sq. Ft.: 108,000 Space Efficiency: 90% 403 MACC Cost per Sq. Ft.: Escalated MACC Cost per Sq. Ft.: 456 Remodel?

Construction Type: College Classroom Facilities

A/E Fee Class: В

A/E Fee Percentage: 6.11%

Schedule	Start Date	End Date
Predesign:	10-2015	02-2016
Design:	03-2016	06-2017
Construction:	07-2017	07-2020
Duration of Construction (Months):	36	

Cost Summary Escalated	
Acquisition Costs Total	0
Pre-Schematic Design Services 623,220	
Construction Documents 2,482,162	
Extra Services 1,826,990	
Other Services 1,670,297	
Design Services Contingency 339,882	
Consultant Services Total	6,821,009
Site work 1,646,048	
Related Project Costs 434,600	
Facility Construction 52,624,893	
Construction Contingencies 5,540,097	
Non Taxable Items 0	
Sales Tax 6,105,237	
Construction Contracts Total	70,370,895
Maximum Allowable Construction Cost(MACC) 54,705,541	
Equipment 11,966,001	
Non Taxable Items 0	
Sales Tax 1,075,780	
Equipment Total	12,399,780
Art Work Total	273,528

Additional Details

Other Costs Total

Project Management Total

Grand Total Escalated Costs

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Yes

2,136,059

1,980,194 93,981,465

93,981,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 193

Cost Estimate Title: HS Education T-Wing Renovation/Addition 17-19

Report Number: CBS003

Date Run: 9/15/2016 5:52PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%
Base Month and Year: 07-2014
Project Administration By: AGY
Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 193 Analysis Date: July 22, 2014

Cost Estimate Title: HS Education T-Wing Renovation/Addition 17-19

Detail Title: HS Education Sciences I - T-Wing Renovation/Additi

Project Number: 30000486

Project Title: Health Sciences Education - T-Wing Renovation/Addition

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 120,000
Usable Sq. Ft.: 108,000
Rentable Sq. Ft.: 0
Space Efficiency: 90%
Escalated MACC Cost per Sq. Ft.: 456
Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities

Remodel? No
A/E Fee Class: B
A/E Fee Percentage: 6.11%
Contingency Rate: 5.00%

Contingency Explanation

Projected Life of Asset (Years): 50

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	10-2015	02-2016
Design:	03-2016	06-2017
Construction:	07-2017	07-2020
Duration of Construction (Months):	36	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	7-2014	

Project Cost Summary

MACC:	\$ 48,387,000
MACC (Escalated):	\$ 54,705,541
Current Project Total:	\$ 83,469,347
Rounded Current Project Total:	\$ 83,469,000
Escalated Project Total:	\$ 94,780,305
Rounded Escalated Project Total:	\$ 94,780,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Programming/Site Analysis	425,000			
Predesign Study	175,000			
SubTotal: Pre-Schematic Design Services		600,000	1.0472	623,220
Construction Documents A/E Basic Design Services			•	2,246,204
SubTotal: Construction Documents			•	2,482,162
Extra Services			•	<u> </u>
Civil Design (Above Basic Services)	40,000			
Geotechnical Investigation	75,000			
Commissioning (Systems Check)	150,000			
Site Survey	10,000			
Testing	125,000			
Leadership Energy & Environment Design List(LEED)	15,000			
Voice/Data Consultant	50,000			
Constructability Review Participation	15,000			
Environmental Mitigation Services (EIS)	10,000			
Landscape Consultant	75,000			
Mechanical and Eletrical Consultants	125,000			
Audio-Visual Consultants	350,000			
Structural Consultants	50,000			
Hazardous Materials Consultants	15,000			
Interior Design Consultants	125,000			
Speciality Consultants	300,000			
Design Reimbursables	85,000			
Construction Phasing/Early Bid Packages	100,000			
SubTotal: Extra Services		4 = 4 = 000	1.0654	4 000 000
		1,715,000	1.0654	1,826,990
Other Services Bid/Construction/Closeout				1,009,164
HVAC Balancing	80,000			1,000,104
Staffing	352,500			
Statility		4 4 4 4 9 9 4	4 4224	
0.17.1.04.0		1,441,664	1.1324	
SubTotal: Other Services				1,670,297
Design Services Contingency	000 440			
Design Services Contingency	300,143			
SubTotal: Design Services Contingency		300,143	1.1324	339,882
Total: Consultant Services		6,303,011	1.0822	6,821,009
CONSTRUCTION CONTRACTS				
Site work				
G10 - Site Preparation	840,000			
G20 - Site Improvements	75,000			
G30 - Site Mechanical Utilities	125,000			
G40 - Site Electrical Utilities	175,000			
G60 - Other Site Construction	300,000			
SubTotal: Site work		1,515,000	1.0865	1,646,048
Related Project Costs		•	•	
Offsite Improvements	400,000			
SubTotal: Related Project Costs				434,600

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
Facility Construction				
A10 - Foundations	960,000			
A20 - Basement Construction	1,560,000			
B10 - Superstructure	3,500,000			
B20 - Exterior Closure	10,950,000			
B30 - Roofing	800,000			
C10 - Interior Construction	4,570,000			
C20 - Stairs	1,200,000			
C30 - Interior Finishes	2,760,000			
D10 - Conveying	720,000			
D20 - Plumbing Systems	1,080,000			
D30 - HVAC Systems	5,400,000			
D40 - Fire Protection Systems	600,000			
D50 - Electrical Systems	3,600,000			
F10 - Special Construction	1,800,000			
General Conditions	3,835,000			
Estimating Contingency	3,137,000			
SubTotal: Facility Construction		46,472,000	1.1324	52,624,893
GCCM Risk Contingency				
GCCM Risk Contingency	1,525,000			
SubTotal: GCCM Risk Contingency				1,726,910
GCCM or Design Build Costs				
GCCM Fee	1,265,000			
GCCM Preconstruction Services	250,000			
Other	510,000			
SubTotal: GCCM or Design Build Costs		2,025,000	1.1324	2,293,110
Construction Contingencies	0.440.050			
Allowance for Change Orders	2,419,350			
Management Reserve	2,473,000			
SubTotal: Construction Contingencies		4,892,350	1.1324	5,540,097
Sales Tax		5,398,788	1.1309	6,105,237
Total: Construction Contracts		62,228,138	1.1309	70,370,895
Maximum Allowable Construction Cost (MACC)		48,387,000	1.1300	54,705,541
EQUIPMENT				
E10 - Equipment	4,000,000			
E20 - Furnishings	3,000,000			
Movable Equipment	3,000,000			
SubTotal:		10,000,000	1.1324	11,966,001
Sales Tax		950,000	1.1324	1,075,780
Total: Equipment		10,950,000	1.1324	12,399,780
ART WORK				
Higher Ed Artwork	303,068			
LIMITELL MALIWOIN	., ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

Higher Ed Artwork 303,068

			<u>Escalation</u>	Escalated
<u>ITEM</u>	Base Amount	Sub Total	<u>Factor</u>	Cost
ART WORK				
Total: Art Work		273,528	1.0000	273,528
OTHER COSTS				
Mitigation Costs	20,000			
Metro Connection Fees	120,000			
In-Plant Services	75,000			
Utlilities/Temporary Facilities	130,000			
Permits	532,000			
Performance and Payment Bond	730,000			
Builders Risk	208,000			
Connectivity	25,000			
Other Costs	126,000			
Total: Other Costs		1,966,000	1.0865	2,136,059
PROJECT MANAGEMENT				
Agency Project Management	1,298,670			
Construction Management	450,000			
Total: Project Management		1,748,670	1.1324	1,980,194

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 193

Cost Estimate Title: HS Education T-Wing Renovation/Addition 17-19

Report Number: CBS003

Date Run: 9/15/2016 5:52PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000486	30000486
Cost Estimate Number	193	193
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:25PM

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Description

Starting Fiscal Year: 2018
Project Class: Program
Agency Priority: 4

Project Summary

The University of Washington will request \$1 million in state funds in the 2017-19 biennium for the Pre-Design of a College of Engineering (CoE) Interdisciplinary Education and Research Center(IERC). This center will help address the estimated 40% growth of CoE students and accommodate the increasing interdisciplinary nature of engineering education. In 2015 CoE awarded 969 bachelor's degrees and 693 Master's and Doctoral degrees. The projected growth in the next ten years is 1,400 undergraduate degrees and 1,000 graduate degrees. The existing civil, environmental, and mechanical programs are located in buildings constructed in the 1950's and 1960's. The building systems and classroom/laboratories layouts exceeded the intended lifecycles. This new center will provide an opportunity for engineers from various disciplines to collaborate in a durable highly functional and flexible research and student focused educational setting. The center will also include laboratories for student learning and research activities. The new classrooms and research labs, being designed as multidisciplinary, collaborative space, will allow for greater range of uses and users. These new efficiencies will allow the UW to increase the hours per week utilization rate within the CoE. The Pre-Design will emphasize the potential for innovation in structure, building systems, engineering education program integration and cost efficiency(in construction and operations). This facility will provide an opportunity to co-locate multiple engineering disciplines and facilitate collaboration with colleges across the campus. The collaboration with multidisciplinies will contribute to innovative emerging studies and fields.

Project Description

<u>Proposed Project:</u> The existing facilities where civil, environmental, and mechanical programs are located were constructed in the 1950's and 1960's. The building systems and classroom/laboratories layouts have exceeded the intended lifecycles. Engineering enrollment has grown about 40%. After the Pre-Design phase is completed, the Design and then Construction phases are expected to follow, respectively, in 2019-21, and 2021-23.

<u>The request will produce</u>: The Pre-Design will produce a plan and design to address the potential for innovation in structure, building systems, engineering education program integration and cost efficiency(in construction and operations). The collaboration with multidisciplines will contribute to innovative emerging studies and fields.

<u>How would the request address the problem in #1</u>: This center will provide an opportunity for engineers from various disciplines to collaborate in a durable highly functional and flexible research and student focused educational setting. The center will also include new laboratories for student learning and research activities. These new efficiencies will allow the UW to increase the hours per week utilization rate within the CoE.

<u>Clientele to be impacted:</u> In 2015 CoE awarded 969 bachelor's degrees and 693 Master's and Doctoral degrees. The projected growth in the next ten years is 1,400 undergraduate degrees and 1,000 graduate degrees.

Describe how this project supports the agency's strategic Master Plan:

This engineering education/research building will be highly flexible to accommodate the need for adaption, modern teaching and learning pedagogies, and should perform as a utility-efficient resource for the operational life of the facility. This center will be seen as a prototype for innovation in structure, buildings systems, and engineering educational program integration.

Location

City: Seattle County: King Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:25PM

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Description

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

New Facility: Yes

How does this fit in master plan

The 2001 Seattle Campus Master Plan was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
057-1 148-6	State Bldg Constr-State HE - Dedicated Locl-Non-Appropria	50,000,000 100,000,000				1,000,000
	Total	150,000,000	0	0	0	1,000,000
			Future Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State	14,000,000	35,000,000			
148-6	HE - Dedicated Locl-Non-Appropria		100,000,000			
	Total	14,000,000	135,000,000	0	0	

Schedule and Statistics

	Start Date	End Date
Predesign	07/01/2017	06/01/2019
Design	7/1/2019	6/1/2021
Construction	7/1/2021	6/1/2023
	<u>Total</u>	
Gross Square Feet:	200,000	
Usable Square Feet:	132,000	
Efficiency:	66.0%	
Escalated MACC Cost per Sq. Ft.:	450	
Construction Type:	Research Facilities	
Is this a remodel?	No	
A/E Fee Class:	Α	
A/E Fee Percentage:	6.65%	

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:25PM

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Cost Summary		
	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	501,995	0.3%
Construction Documents	4,303,603	2.9%
Extra Services	1,768,790	1.2%
Other Services	2,069,752	1.4%
Design Services Contingency	451,616	0.3%
Consultant Services Total	9,095,753	6.1%
ximum Allowable Construction Cost(MACC) 90,0	52,599	
Site work	2,206,793	1.5%
Related Project Costs	0	0.0%
Facility Construction	87,845,806	58.6%
GCCM Risk Contingency	3,415,621	2.3%
GCCM or Design Build Costs	10,765,772	7.2%
Construction Contingencies	9,013,821	6.0%
Non Taxable Items	0	0.0%
Sales Tax	10,758,542	7.2%
Construction Contracts Total	124,006,353	82.7%
Equipment		
Equipment	9,787,065	6.5%
Non Taxable Items	0	0.0%
Sales Tax	929,771	0.6%
Equipment Total	10,716,836	7.1%
Art Work Total	0	0.0%
Other Costs Total	3,215,243	2.1%
Project Management Total	2,965,651	2.0%
Grand Total Escalated Costs	149,999,836	
Rounded Grand Total Escalated Costs	150,000,000	
Operating Impacts		
Total one time start up and ongoing operating costs		
Acct Code Account Title FY 2018	FY 2019 FY 2020	FY 2021 FY 2

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:25PM

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Ope	rating Impacts					
Acct Code	Account Title	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
FTE	Full Time Employee	12.5	11.0	11.0	11.0	11.0
001-1	General Fund-State	1,031,000	907,500	907,500	907,500	907,500
	Total	1,031,000	907,500	907,500	907,500	907,500

Narrative

Start-up funds will be dedicated for staff instruction and training in the newly occupied building.

User Id

Capital Project Request

2017-19 Biennium

All User Ids

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000492	30000492
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 188 Report Number: CBS003
Cost Estimate Title: COE Interdiciplinary Education - Research 17-19 Date Run: 9/15/2016 5:26PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Project Phase Title:

Contact Info Contact Name: Alan Nyaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 200,000
Usable Sq. Ft.: 132,000
Space Efficiency: 66%
MACC Cost per Sq. Ft.: 343
Escalated MACC Cost per Sq. Ft.: 450
Remodel? No

Construction Type: Research Facilities

A/E Fee Class: A

A/E Fee Percentage: 6.65%

Schedule	Start Date	End Date
Predesign:	07-2017	06-2019
Design:	07-2019	06-2021
Construction:	07-2021	06-2023
Duration of Construction (Months):	23	

01	•		-4
LOST	Summary	/ Egra	aten
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Cool Callillary Ecodiator		
Acquisition Costs Total		0
Pre-Schematic Design Services	501,995	
Construction Documents	4,303,603	
Extra Services	1,768,790	
Other Services	2,069,752	
Design Services Contingency	451,616	
Consultant Services Total		9,095,753
Site work	2,206,793	
Related Project Costs	0	
Facility Construction	87,845,806	
Construction Contingencies	9,013,821	
Non Taxable Items	0	
Sales Tax	10,758,542	
Construction Contracts Total		124,006,353
Maximum Allowable Construction Cost(MACC) 90,052,599		
Equipment	9,787,065	
Non Taxable Items	0	
Sales Tax	929,771	

Equipment Total	10,716,836
Art Work Total	0
Other Costs Total	3,215,243
Project Management Total	2,965,651

Grand Total Escalated Costs 149,999,836

Rounded Grand Total Escalated Costs

Additional Details

Alternative Public Works Project:

Yes

150,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 188 Report Number: CBS003

Cost Estimate Title: COE Interdiciplinary Education - Research 17-19 Date Run: 9/15/2016 5:26PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Project Phase Title:

Contact Info Contact Name: Alan Nyaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 08-2012

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 188 Analysis Date: July 18, 2012

Cost Estimate Title: COE Interdiciplinary Education - Research 17-19

Detail Title: CoE Interdisciplinary Education Research Center I

Project Number: 30000492

Project Title: College of Engineering Interdisciplinary Ed./Research Center I

Project Phase Title:

Location: Seattle, King County

Contact Info Contact Name: Alan Nyaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 200,000 Usable Sq. Ft.: 132,000

Rentable Sq. Ft.:

Space Efficiency: 66% Escalated MACC Cost per Sq. Ft.: 450 Escalated Cost per S. F. Explanation

Construction Type: Research Facilities

Remodel? No
A/E Fee Class: A
A/E Fee Percentage: 6.65%
Contingency Rate: 5.00%

Contingency Explanation

Projected Life of Asset (Years): 50

Location Used for Tax Rate: Seattle, King Cou

Tax Rate: 9.50%
Art Requirement Applies: No
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date	
Predesign:	07-2017	06-2019	
Design:	07-2019	06-2021	
Construction:	07-2021	06-2023	
Duration of Construction (Months):	23		
State Construction Inflation Rate:	2.80%		
Base Month and Year:	8-2012		

Project Cost Summary

MACC:	\$ 68,594,000
MACC (Escalated):	\$ 90,052,599
Current Project Total:	\$ 114,591,960
Rounded Current Project Total:	\$ 114,592,000
Escalated Project Total:	\$ 150,726,872
Rounded Escalated Project Total:	\$ 150,727,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Programming/Site Analysis	50,000			
Environment Analysis	14,700			
Predesign Study	350,000		4.0405	
SubTotal: Pre-Schematic Design Services		414,700	1.2105	501,995
Construction Documents A/E Basic Design Services				3,462,271
SubTotal: Construction Documents				4,303,603
Extra Services				4,303,003
Civil Design (Above Basic Services)	40,000			
Geotechnical Investigation	80,000			
Commissioning (Systems Check)	200,000			
Site Survey	35,000			
Testing	213,000			
Leadership Energy & Environment Design List(LEED)	25,000			
Landscape Consultant	75,000			
Design Reimbursables	90,000			
Specialty Consultants	215,000			
Laboratory Consultant	450,000			
SubTotal: Extra Services		1,423,000	1.2430	1,768,790
Other Services		.,,		-,,,,,,,,
Bid/Construction/Closeout				1,555,513
HVAC Balancing	20,000			
	_	1,575,513	1.3137	
SubTotal: Other Services			•	2,069,752
Design Services Contingency			•	· · · · · ·
Design Services Contingency	343,774			
SubTotal: Design Services Contingency		343,774	1.3137	451,616
Total: Consultant Services		7,219,258	1.2599	9,095,753
CONSTRUCTION CONTRACTS				
Site work				
G10 - Site Preparation	400,000			
G20 - Site Improvements	770,000			
G30 - Site Mechanical Utilities	555,000			
SubTotal: Site work		1,725,000	1.2793	2,206,793
Facility Construction			•	
A10 - Foundations	2,090,000			
A20 - Basement Construction	2,862,000			
B10 - Superstructure	9,669,000			
B20 - Exterior Closure	9,998,000			
B30 - Roofing	1,100,000			
C10 - Interior Construction	2,860,000			
C20 - Stairs	640,000			
C30 - Interior Finishes	4,070,000			
D10 - Conveying	600,000			
D20 - Plumbing Systems	5,720,000			
D30 - HVAC Systems	15,345,000			
D40 - Fire Protection Systems	770,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
D50 - Electrical Systems	10,505,000			
F20 - Selective Demolition	190,000			
Estimating Contingency	450,000			
SubTotal: Facility Construction	_	66,869,000	1.3137	87,845,806
GCCM Risk Contingency				
GCCM Risk Contingency	2,600,000			
SubTotal: GCCM Risk Contingency				3,415,621
GCCM or Design Build Costs	0.000.000			
GCCM Fee	2,000,000			
Bid General Conditions	5,500,000			
GCCM Preconstruction Services	375,000 320,000			
Negotiated Support	320,000		4.0407	
SubTotal: GCCM or Design Build Costs		8,195,000	1.3137	10,765,772
Construction Contingencies Allowance for Change Orders	3,429,700			
Management Reserve	3,431,700			
	3,431,700		4 0407	
SubTotal: Construction Contingencies		6,861,400	1.3137	9,013,821
Sales Tax		8,193,789	1.3130	10,758,542
Total: Construction Contracts		94,444,189	1.3130	124,006,353
Maximum Allowable Construction Cost (MACC)		68,594,000	1.3100	90,052,599
EQUIPMENT				
E10 - Equipment	6,000,000			
E20 - Furnishings	1,450,000			
SubTotal:		7,450,000	1.3137	9,787,065
Sales Tax		707,750	1.3137	929,771
Total: Equipment	-	8,157,750	1.3137	10,716,836
OTHER COSTS				
	00.000			
Telecommunications Cable Plant	90,000			
Other Misc Costs	2,423,283			
Total: Other Costs		2,513,283	1.2793	3,215,243
PROJECT MANAGEMENT				
Agency Project Management	2,257,480			
Total: Project Management		2,257,480	1.3137	2,965,651

Cost Estimate Summary and Detail

2017-19 Biennium

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Cost Estimate Number:188Report Number:CBS003Cost Estimate Title:COE Interdiciplinary Education - Research 17-19Date Run:9/15/20165:26PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000492	30000492
Cost Estimate Number	188	188
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:26PM

Project Number: 30000378
Project Title: UW Bothell

Description

Starting Fiscal Year: 2016
Project Class: Program
Agency Priority: 5

Project Summary

The University of Washington (UW) requests \$3M in state funding in the 2017-19 biennium for the Design Phase of UW Bothell Phase 4 - Academic STEM. A request for a re-appropriation is included to complete the Pre-Design Phase. The UW will request state funding for construction in future biennia. The UW Bothell Phase 4 project scope is for a new 115,000 square foot Academic STEM building to further the degree development in the campus' growing science, technology, engineering, and math. The new facility will include general classrooms, computer class labs and engineering labs specific to new degree development in a variety of High Demand related computer science and engineering fields including civil, manufacturing, robotics, and materials science. It will accommodate at least 1,200 new full time equivalent (FTE) students and will increase the collocated campus design capacity to 5,658 FTE, over half of the mandated 10,000 FTE development.

Project Description

<u>Proposed Project</u>: The project is for a new 115,000 square foot Academic STEM building to further the degree development in the campus' growing science, technology, engineering, and math programs. It will include general classrooms, computer class labs and engineering labs specific to new degree development in a variety of computer science and engineering fields including civil, manufacturing, robotics, and materials science.

Opportunity or Problem Driving the Request: In response to the growing numbers of students seeking STEM programs, in March 2013, UWB opened the new School of Science, Technology, Engineering and Math (STEM) and five new degrees will be added to the existing eight programs offered by the School of STEM. Officially opening in the 2014-15 academic year, Discovery Hall and its programs in electrical and mechanical engineering are already at capacity. As a result, UW Bothell's ability to meet the demonstrated needs for studies in high-demand fields necessitates additional academic facilities as requested by this project.

How the Project Supports Agency and Statewide Results: As STEM academic growth offerings continue to develop in response to regional needs, discipline-specific technologies and equipment will be necessary. Undergraduate and graduate research space is very limited on the UW Bothell campus. Without new facilities, many place bound and under-represented residents of the state of Washington, particularly north and east Puget Sound residents, will not have access to the world-class educational opportunities which contribute to the state's economic development in high-tech industries, as outlined in the Results Washington goals.

<u>Specific Benefits</u>: The project supports *Results Washington* goal of world class education in STEM and high demand employment programs. The proposed building will increase the number of students enrolled in high-demand employment degrees by 1,200 FTE, a 28% increase in overall UW Bothell FTE. The project will increase the number of graduates in high-demand employment degrees by 375 FTE annually.

Affected Clients and Service Changes Made by The Project: This project will enable substantial growth in UWB electrical and mechanical engineering programs and computer sciences programs and for the development of new engineering programs not possible with current facilities. These new programs will be developed to capitalize on existing programs and be responsive to regional employer demand and student demand.

Other State Programs or Units of Government Affected by Project: In addition to supporting the education and training of additional STEM professionals, that will likely remain in the State of Washington and fuel the local economy, the project will enhance UW Bothell's mission to serve as a transfer destination for Washington's community colleges by expanding the campus' student FTE capacity.

<u>Operating budget impact</u>: While the new STEM building will require additional resources for operating it, it may shift some of those operating funds from commercial lease expenditures. Because of the limited availability of on-campus space, to provide immediate decompression, UWB expends operating funds to lease 64,000 GSF of commercial real estate space.

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:26PM

Project Number: 30000378
Project Title: UW Bothell

Description

<u>Best alternative</u>: Student demand, faculty capacity, and program expansion suggest a 10-year growth of nearly 1,200 student FTE in STEM programs at UWB. The proposed project is the chosen alternative.

Funding strategy: The UW is requesting \$3M in 2017-19 design; and will request funding in biennium 2019-21 for construction.

Location

City: Bothell County: King Legislative District: 001

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

Physical development of the University of Washington Bothell/Cascadia Community College campus is regulated by and subject to the approval of the City of Bothell. Currently the University of Washington Bothell/Cascadia Community College is a City-approved Planned Unit Development (PUD) subject to specific City provisions. The City of Bothell's Comprehensive Plan was adopted in compliance with the Growth Management Act in 1994 and subsequently amended with a 2004 Plan Amendment.

New Facility: Yes

How does this fit in master plan

This is included in the UW Bothell Master Plan.

Fund	ling					
Acct	Account Title	Estimated	Expenditures Prior	Current		Fiscal Period New
Code	Account Title	Total	Biennium	Biennium	Reapprops	Approps
057-1	State Bldg Constr-State	54,500,000		380,000	120,000	3,000,000
148-6	HE - Dedicated Locl-Non-Appropria	20,000,000				
	Total	74,500,000	0	380,000	120,000	3,000,000
		Fu	ıture Fiscal Peric	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State	51,000,000				
148-6	HE - Dedicated Locl-Non-Appropria	20,000,000				
	Total	71,000,000	0	0	0	

Schedule and Statistics

Start Date End Date

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:26PM

Project Number: 30000378
Project Title: UW Bothell

Schedule and Statistics

	Start Date	End Date
Predesign	09/01/2015	07/01/2016
Design	7/1/2017	12/1/2019
Construction	12/1/2019	6/1/2021

Gross Square Feet: 78,647
Usable Square Feet: 52,415
Efficiency: 66.6%
Escalated MACC Cost per Sq. Ft.: 582

Construction Type: Research Facilities

Is this a remodel? No
A/E Fee Class: A
A/E Fee Percentage: 7.43%

Cost Summary

Acquisition Costs Total	Escalated Cost 0	% of Project 0.0%
Consultant Services		
Pre-Schematic Design Services	498,501	0.7%
Construction Documents	2,336,669	3.1%
Extra Services	1,825,925	2.4%
Other Services	1,164,475	1.6%
Design Services Contingency	417,606	0.6%
Consultant Services Total	6,243,173	8.3%
aximum Allowable Construction Cost(MACC) 45,7	37,714	
Site work	4,129,973	5.5%
Related Project Costs	0	0.0%
Facility Construction	41,607,741	55.5%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	6,708,737	8.9%
Construction Contingencies	2,291,216	3.1%
Non Taxable Items	362,933	0.5%
Sales Tax	5,200,078	6.9%
Construction Contracts Total	60,300,675	80.4%
Equipment		
Equipment	3,272,586	4.4%
Non Taxable Items	0	0.0%
Sales Tax	310,896	0.4%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:26PM

Project Number: 30000378
Project Title: UW Bothell

Cost	Summary	
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•		
Equipment Total	<u>Escalated Cost</u> 3,583,482	% of Project 4.8%
Art Work Total	228,689	0.3%
Other Costs Total	1,809,039	2.4%
Project Management Total	2,834,913	3.8%
Grand Total Escalated Costs	74,999,971	
Rounded Grand Total Escalated Costs	75,000,000	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000378	30000378
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington **Cost Estimate Summary**

2017-19 Biennium

Cost Estimate Number: 183 Report Number: CBS003 **Cost Estimate Title:** UW Bothell Phase 4 STEM Building Date Run: 9/15/2016 5:27PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

30000378 **Project Number: Project Title: UW Bothell**

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 78,647 Usable Sq. Ft.: 52.415 67% Space Efficiency: MACC Cost per Sq. Ft.: 518 Escalated MACC Cost per Sq. Ft.: 582 Remodel?

Construction Type: Research Facilities

A/E Fee Class: Α

A/E Fee Percentage: 7.43%

Schedule	Start Date	End Date
Predesign:	09-2015	07-2016
Design:	07-2017	12-2019
Construction:	12-2019	06-2021
Duration of Construction (Months):	18	

Cost Summary Escalated		
Acquisition Costs Total		0
Pre-Schematic Design Services	498,501	
Construction Documents	2,336,669	
Extra Services	1,825,925	
Other Services	1,164,475	
Design Services Contingency	417,606	
Consultant Services Total		6,243,173
Site work	4,129,973	
Related Project Costs	0	
Facility Construction	41,607,741	
Construction Contingencies	2,291,216	
Non Taxable Items	362,933	
Sales Tax	5,200,078	
Construction Contracts Total		60,300,675
Maximum Allowable Construction Cost(MACC) 45,737,714		
Equipment	3,272,586	
Non Taxable Items	0	
Sales Tax	310,896	
Equipment Total		3,583,482
Art Work Total		228,689
Other Costs Total		1,809,039

Additional Details

Project Management Total

Grand Total Escalated Costs

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Yes

2,834,913

74,999,971

75,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 183

Cost Estimate Title: UW Bothell Phase 4 STEM Building

Date Run: 9/15/2016 5:27PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 30000378
Project Title: UW Bothell

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%
Base Month and Year: 06-2016
Project Administration By: AGY
Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 183 Analysis Date: July 18, 2016

Cost Estimate Title: UW Bothell Phase 4 STEM Building

Detail Title: UW Bothell Phase 4 STEM Building #1

Project Number: 30000378
Project Title: UW Bothell

Project Phase Title:

Location: Bothell

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 78,647 Usable Sq. Ft.: 52,415

Rentable Sq. Ft.:

Space Efficiency: 67% Escalated MACC Cost per Sq. Ft.: 582 Escalated Cost per S. F. Explanation

Construction Type: Research Facilities

Remodel? No
A/E Fee Class: A
A/E Fee Percentage: 7.43%
Contingency Rate: 5.00%

Contingency Explanation

Projected Life of Asset (Years):

Location Used for Tax Rate:

Tax Rate:
9.50%

Art Requirement Applies:

Project Administration by:
Higher Education Institution?:

Alternative Public Works?:

Bothell
9.50%

Yes

Yes

Project Schedule	Start Date	End Date	
Predesign:	09-2015	07-2016	
Design:	07-2017	12-2019	
Construction:	12-2019	06-2021	
Duration of Construction (Months):	18		
State Construction Inflation Rate:	2.80%		
Base Month and Year:	6-2016		

Project Cost Summary

MACC:	\$ 40,747,221
MACC (Escalated):	\$ 45,737,714
Current Project Total:	\$ 67,080,367
Rounded Current Project Total:	\$ 67,080,000
Escalated Project Total:	\$ 75,068,136
Rounded Escalated Project Total:	\$ 75,068,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Programming/Site Analysis	483,840		_	
SubTotal: Pre-Schematic Design Services		483,840	1.0303	498,501
Construction Documents A/E Basic Design Services				2,193,437
SubTotal: Construction Documents			-	2,336,669
Extra Services			•	
Civil Design (Above Basic Services)	40,000			
Geotechnical Investigation	225,000			
Commissioning (Systems Check)	119,000			
Site Survey	35,000			
Testing	150,000			
Leadership Energy & Environment Design List(LEED)	15,000			
Voice/Data Consultant	40,000			
Environmental Mitigation Services (EIS)	50,000			
Landscape Consultant	100,000			
Document Reproduction	30,000			
Electrionic/AV Consultant	30,000			
Hospital/Lab Consultant	25,000			
Interior Design/Furnishing Consultant	75,000			
Permit Expeditor	20,000			
Travel & Per Diem	100,000			
Mechanical Consultant	40,000			
As-builts	40,000			
Construction Support	200,000			
Cost/Scheduling Consultant	50,000			
Legal/DRB	30,000			
Other	300,000			
SubTotal: Extra Services		1,714,000	1.0653	1,825,925
Other Services		.,,	•	1,020,020
Bid/Construction/Closeout				985,457
HVAC Balancing	50,000			
•		1,035,457	1.1246	
SubTotal: Other Services		1,000,401	-	1,164,475
Design Services Contingency			-	1,164,475
Design Services Contingency	271,337			
Other-change order design allowance	100,000			
SubTotal: Design Services Contingency		371,337	1.1246	417,606
,		37 1,337	-	417,000
Total: Consultant Services		5,798,071	1.0768	6,243,173
CONSTRUCTION CONTRACTS				
Site work				
G10 - Site Preparation	1,131,317			
G20 - Site Improvements	1,613,744			
G30 - Site Mechanical Utilities	954,347			
G40 - Site Electrical Utilities	50,000		_	
SubTotal: Site work		3,749,408	1.1015	4,129,973
Facility Construction	,		-	
A20 - Basement Construction	1,169,469			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
B10 - Superstructure	5,918,366			
B20 - Exterior Closure	5,237,359			
B30 - Roofing	504,245			
C10 - Interior Construction	2,051,700			
C20 - Stairs	394,558			
C30 - Interior Finishes	2,051,700			
D10 - Conveying	315,646			
D20 - Plumbing Systems	1,657,142			
D30 - HVAC Systems	7,180,950			
D40 - Fire Protection Systems	372,462			
D50 - Electrical Systems	4,734,693			
F10 - Special Construction	2,209,523			
Support Services and Risk Contigency	3,200,000			
SubTotal: Facility Construction		36,997,813	1.1246	41,607,741
GCCM or Design Build Costs		,,,,,,		, ,
Bid General Conditions	2,805,585			
Design Build Fee	1,900,129			
Bond and Insurance	509,728			
Preliminary	750,000			
SubTotal: GCCM or Design Build Costs		5,965,442	1.1246	6,708,737
Construction Contingencies				<u> </u>
Allowance for Change Orders	2,037,361			
SubTotal: Construction Contingencies		2,037,361	1.1246	2,291,216
Non Taxable Items				
Tax on design for DB contract	322,721			
Non Taxable		322,721	1.0000	322,721
Sales Tax		4,631,252	1.1228	5,200,078
Total: Construction Contracts		53,703,997	1.1228	60,300,675
Maximum Allowable Construction Cost (MACC)		40,747,221	1.1200	45,737,714
EQUIPMENT				
E10 - Equipment	710,000			
E20 - Furnishings	2,200,000			
SubTotal:		2,910,000	1.1246	3,272,586
Sales Tax		276,450	1.1246	310,896
Total: Equipment		3,186,450	1.1246	3,583,482
APT WORK				
ART WORK				
Higher Ed Artwork	243,773			
Total: Art Work		228,689	1.0000	228,689
OTHER COSTS				

			Facalation	Casalatad
ITEM	Dana Amazant	Out Tatal	Escalation Factor	<u>Escalated</u>
<u>ITEM</u>	Base Amount	Sub Total	<u>ractor</u>	<u>Cost</u>
OTHER COSTS				
Advertising	2,000			
Utility Connection Fees	50,000			
EH&S Support	15,000			
In Plant Services Campus	250,000			
Temporary Facilities	70,000			
Building Permit	500,000			
Other Permit	500,000			
Builders Risk	70,000			
UW IT	175,000			
Other	10,341			
Total: Other Costs		1,642,341	1.1015	1,809,039
			_	
PROJECT MANAGEMENT				
Agency Project Management	1,722,717			
Construction Management	777,281			
Preactive Project Management	20,821			
Total: Project Management		2,520,819	1.1246	2,834,913

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 183

Cost Estimate Title: UW Bothell Phase 4 STEM Building

Date Run: 9/15/2016 5:27PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000378	30000378
Cost Estimate Number	183	183
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:28PM

Project Number: 20102002 Project Title: UW Tacoma

Description

Starting Fiscal Year: 2018
Project Class: Program
Agency Priority: 6

Project Summary

The University of Washington requests \$0.5 million in 2017-19 state funds for the Pre Design of new UW Tacoma Building. This Academic building will address 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. This new UW Tacoma Academic Building intends to provide additional enrollment growth capacity through new classroom and lab space for the UWT Academic programs as well as provide additional classroom space for the continued overall growth of all programs. The student demographic at UW Tacoma includes 54% from diverse backgrounds and 64% of first year students whose parents do not have college degrees. This project will directly support expected statewide results in the areas of student achievement and post-secondary learning. With this additional program space it is anticipated that UWT will continue to be able to serve, for the next 5-10 years, the pattern of sustained growth of students and communities of the South Puget Sound Region. This additional space is needed for the new proposed degree programs and to alleviate the possibility of the UWT campus running out of academic classroom space. Currently UWT is operating at a 75-80% utilization rate for classroom hours (HECB target is 67%), at our current projected growth rate UWT will run out of classroom space by 2019. In addition, the UWT campus does not currently have sufficient lab space required for the anticipated degree programs in Mechanical Engineering, Cybersecurity, Industrial Engineering, and Environmental Engineering. The scope of Tacoma Phase 4 will provide: General lecture classrooms and seminar rooms; Specialized engineering facilities that can accommodate new and expanded engineering curriculum; and Computer science facilities including student and research labs. This new facility will be home to the Milgard School of Business and Business and offer programs of study leading to a Bachelor of Arts in Business Administration (BABA), Master of Business Administration (MBA), Master of Accounting (MAcc), and Freshman Direct Admissions, and support the growth of the Institute of Technology through Mechanical Engineering, Environmental Engineering, and Cybersecurity programs. The Milgard School of The Institute of Technology will offer the following degrees: Computer Engineering and Systems BS; Information Technology BS; Electrical Engineering BS (Fall 2017); Computer Science and Systems BA/BS and MS; Master of Cybersecurity and Leadership with Mechanical Engineering, Industrial Engineering, and Environmental engineering degrees anticipated in the near future.

Project Description

<u>Proposed Project:</u> The Pre-Design in 2017-19, will be followed by the Design Phase in 2019-21 and Construction Phase in 2021-23. This project includes approximately 50,000 gross square feet of new teaching space and student study spaces.

Opportunity or Problem Driving the Request: This project will help address overall campus growth needs and a response to continued growth in STEM programs. This Academic building will address 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 additional space.

How the Project Supports Agency and Statewide Results: This new UW Tacoma Academic Building intends to provide additional enrollment growth capacity through new classroom and lab space for the UWT Academic programs as well as provide additional classroom space for the continued overall growth of all of its academic programs. This scope of Tacoma Phase 4 will provide: General lecture classrooms and seminar rooms; Specialized engineering facilities that can accommodate new and expanded engineering curriculum; and Computer science facilities including student and research labs.

<u>Specific Benefits</u>: This new facility will be home to the Milgard School of Business and support the growth of the Institute of Technology through Mechanical Engineering, Environmental Engineering, and Cybersecurity programs. This additional program space will enable UWT to continue to serve the above listed programs for the next 5-10 years and continue the pattern of sustained growth in order to continue to serve students and communities of the South Puget Sound Region.

Affected Clients And Service Changes made by the Project: Currently UWT is operating at a 75-80% utilization rate for classroom hours (HECB target is 67%), at our current projected growth rate UWT will run out of classroom space by 2019. In addition, the UWT campus does not currently have sufficient lab space required for the anticipated degree programs in Mechanical Engineering, Cybersecurity, Industrial Engineering, and Environmental Engineering.

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:28PM

Project Number: 20102002 Project Title: UW Tacoma

Description

Other State Programs or Units of Government Affected by Project: This facility will support education, training and academic programs of additional STEM professionals that will likely contribute to the State's Economy and communities. The project will enhance Tacoma's mission to serve State residents, community colleges transfer students by expanding campus FTE capacity.

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 questionaire attachment.

Fund	ling					
			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1 148-6	State Bldg Constr-State HE - Dedicated Locl-Non-Appropria	30,000,000 5,000,000				500,000
	Total	35,000,000	0	0	0	500,000
		1	Future Fiscal Perio	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State	3,000,000	26,500,000			
148-6	HE - Dedicated Locl-Non-Appropris		5,000,000			
	Total	3,000,000	31,500,000	0	0	

Schedule and Statistics

Start Date End Date

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:28PM

Project Number: 20102002
Project Title: UW Tacoma

Schedule and Statistics

	Start Date	End Date
Predesign	08/01/2017	06/01/2018
Design	9/1/2019	4/1/2021
Construction	7/1/2021	4/1/2023
Gross Square Feet: Usable Square Feet: Efficiency: Escalated MACC Cost per Sq. Ft.:	Total 50,000 32,000 64.0% 470	

Construction Type: College Classroom Facilities

Is this a remodel? No
A/E Fee Class:
A/E Fee Percentage: 7.17%

Cost Summary

Acquisition Costs Total	Escalated Cost 0	% of Project 0.0%
Consultant Services		
Pre-Schematic Design Services	486,872	1.4%
Construction Documents	1,158,299	3.3%
Extra Services	529,167	1.5%
Other Services	663,351	1.9%
Design Services Contingency	148,358	0.4%
Consultant Services Total	2,986,044	8.5%
eximum Allowable Construction Cost(MACC) 23,50	09,400	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	23,509,400	67.2%
GCCM Risk Contingency	458,720	1.3%
GCCM or Design Build Costs	1,628,456	4.7%
Construction Contingencies	1,175,470	3.4%
Non Taxable Items	0	0.0%
Sales Tax	2,570,116	7.3%
Construction Contracts Total	29,342,162	83.8%
Equipment		
Equipment	894,504	2.6%
Non Taxable Items	0	0.0%
Sales Tax	85,872	0.3%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:28PM

Project Number: 20102002 Project Title: UW Tacoma

Cost	Summary	
------	---------	--

Equipment Total	Escalated Cost 980,376	% of Project 2.8%
Art Work Total	117,547	0.3%
Other Costs Total	559,700	1.6%
Project Management Total	1,014,129	2.9%
Grand Total Escalated Costs	34,999,958	2.070
Rounded Grand Total Escalated Costs	35,000,000	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20102002	20102002
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number: 189

Cost Estimate Title: Tacoma Phase 4 2016

Report Number: CBS003

Date Run: 9/15/2016 5:28PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20102002 Project Title: UW Tacoma

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 50,000
Usable Sq. Ft.: 32,000
Space Efficiency: 64%
MACC Cost per Sq. Ft.: 410
Escalated MACC Cost per Sq. Ft.: 470
Remodel? No

Construction Type: College Classroom Facilities

A/E Fee Class: B
A/E Fee Percentage: 7.17%

 Schedule
 Start Date
 End Date

 Predesign:
 08-2017
 06-2018

 Design:
 09-2019
 04-2021

 Construction:
 07-2021
 04-2023

 Duration of Construction (Months):
 21

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Cost Summary Escalated		
Acquisition Costs Total		0
Pre-Schematic Design Services	486,872	
Construction Documents	1,158,299	
Extra Services	529,167	
Other Services	663,351	
Design Services Contingency	148,358	
Consultant Services Total		2,986,044
Site work	0	
Related Project Costs	0	
Facility Construction	23,509,400	
Construction Contingencies	1,175,470	
Non Taxable Items	0	
Sales Tax	2,570,116	
Construction Contracts Total		29,342,162
Maximum Allowable Construction Cost(MACC) 23,509,400		
Equipment	894,504	
Non Taxable Items	0	
0.1 T.	05.070	

 Sales Tax
 85,872

 Equipment Total
 980,376

 Art Work Total
 117,547

 Other Costs Total
 559,700

 Project Management Total
 1,014,129

 Grand Total Escalated Costs
 34,999,958

Rounded Grand Total Escalated Costs 35,000,000

Additional Details

Alternative Public Works Project:

Yes

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number:189Report Number:CBS003Cost Estimate Title:Tacoma Phase 4 2016Date Run:9/15/20165:28PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 20102002 Project Title: UW Tacoma

Project Phase Title:

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Additional Details

State Construction Inflation Rate: 2.80%
Base Month and Year: 06-2017
Project Administration By: AGY
Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 189 Analysis Date: August 12, 2016

Cost Estimate Title: Tacoma Phase 4 2016

Detail Title: Tacoma Phase 4 2016

Project Number: 20102002 Project Title: UW Tacoma

Project Phase Title:

Location: Tacoma

Contact Info Contact Name: Alan Nygaard Contact Number: 206.221.4217

Statistics

Gross Sq. Ft.: 50,000 Usable Sq. Ft.: 32,000

Rentable Sq. Ft.:

Space Efficiency: 64% Escalated MACC Cost per Sq. Ft.: 470 Escalated Cost per S. F. Explanation

Construction Type: College Classroom Facilities

Remodel? No
A/E Fee Class:

A/E Fee Percentage:

Contingency Rate:

No
B
7.17%
5.00%

Contingency Explanation

Projected Life of Asset (Years): 50
Location Used for Tax Rate: Tacoma
Tax Rate: 9.60%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	08-2017	06-2018
Design:	09-2019	04-2021
Construction:	07-2021	04-2023
Duration of Construction (Months):	21	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	6-2017	

Project Cost Summary

MACC:	\$ 20,500,000
MACC (Escalated):	\$ 23,509,400
Current Project Total:	\$ 30,659,568
Rounded Current Project Total:	\$ 30,660,000
Escalated Project Total:	\$ 34,867,467
Rounded Escalated Project Total:	\$ 34,867,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Environment Analysis	57,500			
Predesign Study	400,000			
SubTotal: Pre-Schematic Design Services		457,500	1.0642	486,872
Construction Documents A/E Basic Design Services				1,064,906
SubTotal: Construction Documents				1,158,299
Extra Services				1,150,299
Civil Design (Above Basic Services)	63,000			
Geotechnical Investigation	50,000			
Commissioning (Systems Check)	150,000			
Site Survey	35,000			
Testing	46,500			
Leadership Energy & Environment Design List(LEED)	12,000			
Voice/Data Consultant	50,000			
Landscape Consultant	25,000			
Hazardous materials Consultant	55,000			
SubTotal: Extra Services	1	486,500	1.0877	529,167
Other Services				<u> </u>
Bid/Construction/Closeout				478,436
HVAC Balancing	100,000			
		578,436	1.1468	
SubTotal: Other Services				663,351
Design Services Contingency				
Design Services Contingency	129,367			
SubTotal: Design Services Contingency		129,367	1.1468	148,358
Total: Consultant Services		2,716,709	1.0991	2,986,044
CONSTRUCTION CONTRACTS				
Facility Construction				
Complete Facilities	20,500,000			
SubTotal: Facility Construction		20,500,000	1.1468	23,509,400
GCCM Risk Contingency	400.000			
GCCM Risk Contingency	400,000			
SubTotal: GCCM Risk Contingency				458,720
GCCM or Design Build Costs Bid General Conditions	500,000			
GCCM Preconstruction Services	300,000			
Design Build Feee	370,000			
Support Services	250,000			
SubTotal: GCCM or Design Build Costs		1 420 000	1.1468	1 629 456
Construction Contingencies		1,420,000	1.1400	1,628,456
Allowance for Change Orders	1,025,000			
SubTotal: Construction Contingencies	.,,==,,	1,025,000	1.1468	1,175,470
Oales Tarr			4.4400	
Sales Tax		2,241,120	1.1468	2,570,116

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
Total: Construction Contracts		25,586,120	1.1468	29,342,162
Maximum Allowable Construction Cost (MACC)		20,500,000	1.1500	23,509,400
EQUIPMENT				
E10 - Equipment E20 - Furnishings	250,000 530,000			
SubTotal:		780,000	1.1468	894,504
Sales Tax		74,880	1.1468	85,872
Total: Equipment		854,880	1.1468	980,376
ART WORK				
Total: Art Work		117,547	1.0000	117,547
OTHER COSTS				
Mitigation Costs	50,000			
Permits and Insurance	400,000			
In Plant Services	50,000			
Total: Other Costs		500,000	1.1194	559,700
PROJECT MANAGEMENT				
Agency Project Management Other	784,312 100,000			
Total: Project Management		884,312	1.1468	1,014,129

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number:189Report Number:CBS003Cost Estimate Title:Tacoma Phase 4 2016Date Run:9/15/20165:28PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	20102002	20102002
Cost Estimate Number	189	189
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:29PM

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Description

Starting Fiscal Year: 2016
Project Class: Program

Agency Priority: 7

Project Summary

The University of Washington (UW) will request \$10 million in 2017-19 State Funds for the Center for Advanced Materials and Clean Energy Technologies (CAMCET) research building. A request for re-appropriation of 2015-17 funds is also requested to complete the first phase of this project. This facility will help address the growing need for teaching and research capacity across Science, Technology, Engineering, and Mathematics (STEM) fields. CAMCET is to be a clean technology education and research hub that connects Washington to the world by catalyzing key partnerships (industry, business and national labs) needed to accelerate solutions for a healthy planet. CAMCET will be a highly interdisciplinary center with faculty from Chemical Engineering, Chemistry, Computer Science & Engineering, Material Science, Physics, and Bioengineering. This building will house advanced learning laboratories, research labs, meeting room, multi-disciplinary space, interaction space, offices that will foster collaborative cleantech research for a healthy planet. This facility will help address the growing need for teaching and research capacity across Science, Technology, Engineering, and Mathematics (STEM) fields. CAMCET is to a be a clean technology education and research hub that connects Washington to the world by catalyzing key partnerships with industry, business and national labs needed to accelerate solutions for a healthy planet. CAMCET will be a highly interdisciplinary center with faculty from Chemical Engineering, Computer Science & Engineering, Material Science, Physics and Bioengineering. This building will house advanced learning laboratories, research labs, meeting rooms, multi-disciplinary space, interaction spaces and offices that will foster collaborative clean technology research.

Project Description

<u>Identify the problem:</u> The project contribute to a new facility, the Center for the Advanced Materials and Clean Energy Technologies (CAMCET) research building. This facility will address the growing need for teaching and research capacity across Science, Technology, Engineering, and Mathematics (STEM) fields.

What will the request produce: CAMCET will provide a technology rich environment that is unique to the clean technology eduction and business sectors. Clean energy research is a highly specialized field and requires technologically equipped facilities that currently do not exist or are limited at the UW. The facility will provide a collaborative learning and research environment that will enable students and researchers to test and scale discoveries into viable solutions.

How would the request address the problem: CAMCET will be a research and teaching building supporting faculty members from Chemical Engineering, Chemistry, Computer Science & Engineering, Material Science, Physics and Bioengineering. The center will engage students using laboratory based learning with focused collaborative learning with faculty in the Natural Sciences(e.g. Chemistry, Biology, and Physics), Business and the School of Medicine. This highly interdisciplinary field will emphasize engineering at the nano and molecular levels in contrast to traditional large scale process engineering. This building will house advanced learning laboratories, research labs, meeting rooms, multi-disciplinary space, interaction spaces and offices.

Which clientele will be impacted: CAMCET will have large classrooms, STEM learning labs, STEM student project spaces, smaller seminar rooms, research laboratories, and conferencing facilities that will enable enrollment growth projected to be 486 undergraduate FTEs and 280 graduate student FTEs. The undergraduate enrollment growth is driven by the classrooms, learning labs, and student project spaces, whereas the graduate student growth is split between the availability of new CAMCET research lab spaces(enabling greater Ph.D. and Master of Science enrollments) as well as seminar rooms that can accommodate a wide range of graduate-level courses.

<u>Describe how this project supports the agency's strategic master plan:</u> The hallmark of the building will be a culture of students, researcher and industry partners working toward the common goal of accelerating the process for turning new ideas into technical solutions that support a healthy planet.

Location

City: Seattle County: King Legislative District: 043

360 - University of Washington Capital Project Request

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:29PM

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Description

Project Type

New Facilities/Additions (Major Projects)

Special Programs

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growht Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves as a general regulatory guide to UW Campus land use development

New Facility: Yes

How does this fit in master plan

The UW is currently undergoing an update of the Campus Master Plan. The project was evaluated under the current Mater Plan while looking towards the upcoming 2018 Master Plan.

			Expenditures		2017-19	Fiscal Period
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1 148-6	State Bldg Constr-State HE - Dedicated Locl-Non-Appropria	29,000,000 139,000,000		2,500,000	6,500,000	10,000,000
	Total	168,000,000	0	2,500,000	6,500,000	10,000,000
		Fu	ıture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State	10,000,000				
148-6	HE - Dedicated Locl-Non-Appropris	139,000,000				
	Total	149,000,000	0	0	0	

Schedule and Statistics

Start Date End Date

2017-19 Biennium

Version:03 Final OFM Submission 2017-19Report Number:CBS002

Date Run: 9/15/2016 5:29PM

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Schedule and Statistics

	Start Date	End Date
Predesign	02/01/2016	07/01/2016
Design	7/1/2017	4/1/2020
Construction	1/1/2020	12/1/2021
	Total	
Gross Square Feet:	172,596	
Usable Square Feet:	103,558	
Efficiency:	60.0%	
Escalated MACC Cost per Sq. Ft.:	512	
Construction Type:	Laboratories	
Is this a remodel?	No	
A/E Fee Class:	Α	
A/E Fee Percentage:	6.48%	

Cost Summary

	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	1,816,844	1.1%
Construction Documents	4,135,211	2.5%
Extra Services	2,777,629	1.7%
Other Services	12,781,253	7.6%
Design Services Contingency	1,106,407	0.7%
Consultant Services Total	22,617,341	13.5%
eximum Allowable Construction Cost(MACC) 88,3	374,182	
Site work	6,911,472	4.1%
Related Project Costs	1,056,800	0.6%
Facility Construction	80,405,910	47.9%
GCCM Risk Contingency	0	0.0%
GCCM or Design Build Costs	10,937,808	6.5%
Construction Contingencies	4,681,238	2.8%
Non Taxable Items	2,069,225	1.2%
Sales Tax	10,525,466	6.3%
Construction Contracts Total	122,352,637	72.8%
Equipment		
Equipment	13,183,965	7.9%
Non Taxable Items	0	0.0%
Sales Tax	1,337,628	0.8%

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:29PM

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Cost Summary

•		
Equipment Total	<u>Escalated Cost</u> 15,271,248	% of Project 9.1%
Art Work Total	441,871	0.3%
Other Costs Total	2,409,018	1.4%
Project Management Total	4,908,015	2.9%
Grand Total Escalated Costs	168,000,130	
Rounded Grand Total Escalated Costs	168,000,000	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	91000016	91000016
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington **Cost Estimate Summary**

2017-19 Biennium

Cost Estimate Number: 182 Report Number: CBS003 **Cost Estimate Title:** Camcet Date Run: 9/15/2016 5:29PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Project Phase Title:

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

stics

Gross Sq. Ft.: 172,596 Usable Sq. Ft.: 103,558 Space Efficiency: 60% MACC Cost per Sq. Ft.: 473 Escalated MACC Cost per Sq. Ft.: 512 Remodel? Construction Type: Laboratories

A/E Fee Class: Α A/E Fee Percentage: 6.48%

Schedule	Start Date	End Date
Predesign:	02-2016	07-2016
Design:	07-2017	04-2020
Construction:	01-2020	12-2021
Duration of Construction (Months):	23	

Cost Summar	v Escalated
Just Juillillai	y Localated

A 188 A 7 T 1 1	
Acquisition Costs Total	0
Pre-Schematic Design Services	1,816,844
Construction Documents	4,135,211
Extra Services	2,777,629
Other Services	12,781,253
Design Services Contingency	1,106,407
Consultant Services Total	22,617,341
Site work	6,911,472
Related Project Costs	1,056,800
Facility Construction	80,405,910
Construction Contingencies	4,681,238
Non Taxable Items	2,069,225
Sales Tax	10,525,466
Construction Contracts Total	122,352,637
Maximum Allowable Construction Cost(MACC) 88,374,182	
Equipment	13,183,965
Non Taxable Items	0
Sales Tax	1,337,628

Caroo Tax	1,001,020
Equipment Total	15,271,248
Art Work Total	441,871
Other Costs Total	2,409,018
Project Management Total	4,908,015

Grand Total Escalated Costs 168,000,130

Additional Details

Alternative Public Works Project:

Rounded Grand Total Escalated Costs

Yes

168,000,000

360 - University of Washington Cost Estimate Summary

2017-19 Biennium

Cost Estimate Number:182Report Number:CBS003Cost Estimate Title:CamcetDate Run:9/15/20165:29PM

Version: 03 Final OFM Submission 2017-19 Agency Preferred: Yes

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Project Phase Title:

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Additional Details

State Construction Inflation Rate: 2.80%

Base Month and Year: 01-2016

Project Administration By: AGY

Project Admin Impact to DES that is NOT Included in Project Total:\$0

360 - University of Washington Cost Estimate Detail

2017-19 Biennium

Cost Estimate Number: 182 Analysis Date: July 18, 2016

Cost Estimate Title: Camcet

Detail Title: Camcet #1

Project Number: 91000016

Project Title: Ctr for Advanced Materials and Clean Energy Research Test Beds

Project Phase Title:

Location: Seattle

Contact Info Contact Name: John Seidelmann Contact Number: 206.616.0590

Statistics

Gross Sq. Ft.: 172,596 Usable Sq. Ft.: 103,558

Rentable Sq. Ft.:

Space Efficiency: 60% Escalated MACC Cost per Sq. Ft.: 512 Escalated Cost per S. F. Explanation

Construction Type: Laboratories

Remodel? No
A/E Fee Class: A
A/E Fee Percentage: 6.48%
Contingency Rate: 5.00%

Contingency Explanation

Projected Life of Asset (Years): 50
Location Used for Tax Rate: Seattle
Tax Rate: 9.60%
Art Requirement Applies: Yes
Project Administration by: AGY
Higher Education Institution?: Yes
Alternative Public Works?: Yes

Project Schedule	Start Date	End Date
Predesign:	02-2016	07-2016
Design:	07-2017	04-2020
Construction:	01-2020	12-2021
Duration of Construction (Months):	23	
State Construction Inflation Rate:	2.80%	
Base Month and Year:	1-2016	

Project Cost Summary

MACC:	\$ 81,640,000
MACC (Escalated):	\$ 88,374,182
Current Project Total:	\$ 147,361,169
Rounded Current Project Total:	\$ 147,361,000
Escalated Project Total:	\$ 161,150,334
Rounded Escalated Project Total:	\$ 161,150,000

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Pre-Schematic Design Services				
Programming/Site Analysis	743,110			
Environment Analysis	1,000,000			
SubTotal: Pre-Schematic Design Services		1,743,110	1.0423	1,816,844
Construction Documents A/E Basic Design Services				3,832,802
SubTotal: Construction Documents				4,135,211
Extra Services Civil Design (Above Basic Services)	157,500			
Geotechnical Investigation	138,000			
Commissioning (Systems Check)	1,079,000			
Site Survey	100,000			
Testing	500,000			
Leadership Energy & Environment Design List(LEED)	200,000			
Voice/Data Consultant	100,000			
Environmental Mitigation Services (EIS)	100,000			
Landscape Consultant	200,000			
SubTotal: Extra Services		2,574,500	1.0789	2,777,629
Other Services				4.704.004
Bid/Construction/Closeout	F00 000			1,721,984
HVAC Balancing	500,000			
Other	5,923,161			
DB Preconstruction Services	3,000,000		4.4400	
SubTotal: Other Services		11,145,145	1.1468	
				12,781,253
<u>Design Services Contingency</u> Design Services Contingency	964,778			
SubTotal: Design Services Contingency		964,778	1.1468	1,106,407
,		304,770	1.1100	1,100,407
Total: Consultant Services		20,260,335	1.1163	22,617,341
CONSTRUCTION CONTRACTS				
Site work	4.070.000			
G10 - Site Preparation	1,970,000			
G20 - Site Improvements	1,320,000			
G30 - Site Mechanical Utilities	1,500,000			
G40 - Site Electrical Utilities	750,000			
G60 - Other Site Construction	1,000,000		4.4400	
SubTotal: Site work		6,540,000	1.1169	6,911,472
Related Project Costs Offsite Improvements	1,000,000			
SubTotal: Related Project Costs	1,000,000			1,056,800
Facility Construction				1,000,000
A10 - Foundations	3,500,000			
B10 - Superstructure	10,400,000			
B20 - Exterior Closure	9,400,000			
B30 - Roofing	1,400,000			
C10 - Interior Construction	5,700,000			
C20 - Stairs	400,000			
C30 - Interior Finishes	5,400,000			

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSTRUCTION CONTRACTS				
D10 - Conveying	1,200,000			
D20 - Plumbing Systems	3,200,000			
D30 - HVAC Systems	12,500,000			
D40 - Fire Protection Systems	500,000			
D50 - Electrical Systems	11,300,000			
F10 - Special Construction	9,200,000			
SubTotal: Facility Construction		74,100,000	1.1468	80,405,910
GCCM or Design Build Costs Bid General Conditions	3,600,000		,	
Design Build Fee	4,480,000			
Bond and Insurance Support Services	2,000,000			
* *		42.222.222	4.4400	40.00=.000
SubTotal: GCCM or Design Build Costs		10,080,000	1.1468	10,937,808
Construction Contingencies Allowance for Change Orders	4,082,000			
SubTotal: Construction Contingencies		4,082,000	1.1468	4,681,238
Non Taxable Items Tax on Design for DB Contract	1,906,944			
Non Taxable		1,906,944	1.0000	1,906,944
Sales Tax		9,196,992	1.1444	10,525,466
Total: Construction Contracts		106,905,936	1.1445	122,352,637
Maximum Allowable Construction Cost (MACC)		81,640,000	1.0800	88,374,182
EQUIPMENT				
E10 - Equipment	8,000,000			
E20 - Furnishings	400,000			
Cabling & Wireless	2,000,000			
A/V	1,000,000			
Security	750,000		4.4400	
SubTotal:		12,150,000	1.1468	13,183,965
Sales Tax		1,166,400	1.1468	1,337,628
Total: Equipment		13,316,400	1.1468	15,271,248
ART WORK				
Higher Ed Artwork	461,945			
Total: Art Work		441,871	1.0000	441,871
OTHER COSTS				
Hazardous Material Remediation/Removal	190,000			
Permits	1,716,879			
Metro Connection Fees	250,000			
Total: Other Costs		2,156,879	1.1169	2,409,018

<u>ITEM</u>	Base Amount	Sub Total	Escalation Factor	Escalated Cost
PROJECT MANAGEMENT				
Agency Project Management	2,681,853			
Construction	1,597,895			
Total: Project Management		4,279,748	1.1468	4,908,015

Cost Estimate Summary and Detail

2017-19 Biennium

Cost Estimate Number: 182 Report Number: CBS003
Cost Estimate Title: Camcet Date Run: 9/15/2016 5:29PM

<u>Parameter</u>	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	91000016	91000016
Cost Estimate Number	182	182
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:31PM

Project Number: 30000600

Project Title: School of Nursing Simulation Learning Lab

Description

Starting Fiscal Year: 2016
Project Class: Program
Agency Priority: 90

Project Summary

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete this capital project as approved and appropriated in the 2015-17 Capital Budget.

Project Description

<u>Proposed Project:</u> The project will provide next-generation health care professionals with pedagogically informed learning space to advance skills in team-based, patient-focused training. These features are presently lacking in existing UW classrooms. <u>Opportunities or Problems Driving the Request:</u> The UW Schools of Health Sciences (Dentistry, Medicine, Nursing, Pharmacy, Public Health and Social Work) have jointly begun the project to increase the amount and depth of interprofessional education experienced by their students in response to advanced patient-focused training and accreditation standards. The project addresses: 1) the UW's shortage of active learning space, 2) the lack of variety of spaces required for IPE teaching practices, and 3) the poor physical quality of UW learning space. While great teaching can occur in all sorts of spaces, the pedagogies of IPE learning occurs in well built, pedagogically-informed spaces.

<u>UW and Statewide Results:</u> The project supports the World Class Education priority by supporting the interprofessional team-based training of health care professionals to meet the demand of regional employers.

Specific Benefits of the Project: By not providing for IPE classrooms, accreditation of all six UW schools will be placed at risk, and graduating health care professionals will be less prepared to meet the challenges of the future health care environment. Pedagogically, all the health sciences schools are shifting to active learning techniques that support case-based curricula, placing a greater demand on flexible learning suites, team-based classrooms and collaborative simulation learning labs. Presently, there is a severe shortage of such rooms at the UW and there are zero team-based classrooms in the UW Health Sciences Center.

Affected Clients, Services, State Programs or Units of Government: The six UW Schools of the Health Sciences (Dentistry, Medicine, Nursing, Pharmacy, Public Health and Social Work) will be affected by this project. The future impacts of this project will affect the individuals and communities who will be served by the health care professionals trained at the UW. Impact on State Operating Budget: Operationally, the centralization and densification of flexible, learning space improves space efficiency, use of technology and equipment. High density, multi-purpose, learning space is far more efficient than instructors, classrooms and equipment distributed across campus. The project promotes more efficient utilization of space and energy resources at a time when the cost to build and operate facilities is increasing, and the financial resources to fund are decreasing.

<u>Options or Alternatives:</u> The UW has explored alternative sites for the project, most notably within a portion of the Health Sciences Library. Due to the size and flexibility needs of the project, the library alternative was found to be inadequate and not cost effective.

<u>UW's Proposed Funding Strategy:</u> The UW has funded the predesign from local fund sources, and is requesting \$3M in state funding for design and construction in the 2015-2017 biennium.

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19

Report Number: CBS002 Date Run: 9/15/2016 5:31PM

Project Number: 30000600

Project Title: School of Nursing Simulation Learning Lab

Description

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the UW acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The project is consistent with the Seattle Campus Master Plans which serve as a general regulatory guide to UW Campus land use. The UW is currently undergoing an update of the Campus Master Plan which this project will be evaluated when approved.

New Facility: No

Fund	ding					
		Expenditures			2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	4,000,000		1,000,000	3,000,000	
	Total	4,000,000	0	1,000,000	3,000,000	0
		Fu	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	
Oper	rating Impacts					

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000600	30000600
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 Report Number: CBS002

Date Run: 9/15/2016 5:32PM

Project Number: 30000602

Project Title: Health Sciences Interprofessional Education Classroom

Description

Starting Fiscal Year: 2016
Project Class: Program
Agency Priority: 91

Project Summary

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete this capital project as approved and appropriated in the 2015-17 Capital Budget.

Project Description

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete this capital project as approved and appropriated in the 2015-17 Capital Budget.

Location

City: Seattle County: King Legislative District: 043

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the UW acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The project is consistent with the Seattle Campus Master Plans which serve as a general regulatory guide to UW Campus land use. The UW is currently undergoing an update of the Campus Master Plan which this project will be evaluated when approved.

New Facility: No

Fund	ling					
			Expenditures		2017-19 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,710,000		710,000	2,000,000	
	Total	2,710,000	0	710,000	2,000,000	0
		Fu	uture Fiscal Peri	ods		
		2019-21	2021-23	2023-25	2025-27	
057-1	State Bldg Constr-State					
	Total	0	0	0	0	
Onor	rating Impacts					

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000602	30000602
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

360 - University of Washington Capital Project Request

2017-19 Biennium

Version: 03 Final OFM Submission 2017-19 **Report Number:** CBS002

Date Run: 9/15/2016 5:33PM

Project Number: 30000603

Project Title: Computer Science & Engineering Expansion

Description

Starting Fiscal Year: 2016
Project Class: Program
Agency Priority: 92

Project Summary

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete this capital project phase as approved and appropriated in the 2015-17 Capital Budget.

Project Description

The University of Washington is requesting a reappropriation of 2015-17 funds to continue and complete this capital project phase as approved and appropriated in the 2015-17 Capital Budget.

Location

City: Seattle County: King Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the UW acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The project is consistent with the Seattle Campus Master Plans which serve as a general regulatory guide to UW Campus land use. The UW is currently undergoing an update of the Campus Master Plan which this project will be evaluated when approved.

New Facility: No

Fund	ling					
Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2017-19 Reapprops	Fiscal Period New Approps
057-1 064-1	State Bldg Constr-State UW Building Account-State	17,500,000 15,000,000		4,500,000	13,000,000 15,000,000	
	Total	32,500,000	0	4,500,000	28,000,000	0
		F	uture Fiscal Perio	ods		
057-1 064-1	State Bldg Constr-State UW Building Account-State	2019-21	2021-23	2023-25	2025-27	
	Total	0	0	0	0	

Operating Impacts

No Operating Impact

Capital Project Request

2017-19 Biennium

<u>Parameter</u>	Entered As	Interpreted As
Biennium	2017-19	2017-19
Agency	360	360
Version	03-A	03-A
Project Classification	*	All Project Classifications
Capital Project Number	30000603	30000603
Sort Order	Project Priority	Priority
Include Page Numbers	Υ	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

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

2. Is your project identified in the host county's or city's comprehensive plan?

YES

3. Is your project identified in the host county's or city's capital facilities plan?

- 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

UW Bothell, UW Seattle, and UW Tacoma fall within a GMA-approved urban growth boundary. The current comprehensive Master Plan documents for each campus can be reviewed at the following links:

UW Bothell: www.uwb.edu/campusplanning/master-plan

UW Seattle: www.washington.edu/community/2003/08/25/read-the-seattle-

campus-master-plan/

UW Tacoma: www.tacoma.uw.edu/uwt/administrative-services/campus-planning-

documents

5. If your project is located in an adopted urban growth area, does the project facilitate, accommodate, or attract planned for growth?

YES

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, Washington analyzes/incorporates the UW Bothell/Cascadia Community College campus growth via a Planned Unit Development regulatory process within the City's urban growth area.

UW Seattle: The City of Seattle, Washington has analyzed the impacts on planned growth of the UW identified in the approved UW Seattle Campus Master Plan and incorporated the UW's planned growth within the City's urban growth area.

UW Tacoma: The City of Tacoma, Washington has analyzed the impacts on planned growth of the UW Tacoma campus and has identified the development impacts to the City's urban growth area. The UW Tacoma and the City of Tacoma collaboration are identified specifically in the City of Tacoma Comprehensive Plan Downtown Element and in the South Downtown Sub Area Plan.

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.

City of Bothell's Comprehensive Plan (UW Bothell/Cascadia Campus is in the Downtown Sub Area): www.ci.bothell.wa.us/CityServices/PlanningAndDevelopment/ComprehensivePlan.ashx?p=1280

City of Seattle Comprehensive Plan:

www.seattle.gov/dpd/cityplanning/completeprojectslist/comprehensiveplan/whatwhy/

City of Tacoma Comprehensive Plan:

www.cityoftacoma.org/cms/one.aspx?portalId=169&pageId=15801

In summary, the master plan for each campus is regulated by the respective municipality. Respective campus master plans and individual development are reviewed by the individual local municipality.

- 6. If this project is located outside an urban growth area, will this project create pressures for additional development?
 - 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?

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.

UW Bothell: www.uwb.edu/getattachment/facility/fpdc/2006masterplandoc.pdf is the plan approved by the City of Bothell – "Cascadia Community College/University of Washington Bothell 2006 Campus Facilities Master Plan." In addition, UW Bothell updated its Campus Master Plan in 2010 with the participation of City of Bothell officials and has recently presented an update to the UW Board of Regents: www.bothell.washington.edu/getattachment/admin/uwb-mp-draft2-1-.pdf

UW Seattle: "The University of Washington Master Plan Seattle Campus" was approved by the Seattle City Council and Mayor in late 2002 and adopted by the UW Board of Regents in January 2003:

www.washington.edu/community/2003/08/24/overview-of-campus-master-plan/

UW Tacoma: The UW Board of Regents approved the UW Tacoma Campus Master Plan in 2008: www.tacoma.uw.edu/sites/default/files/global/documents/admin-services/projects/planning/uwt_campusmasterplanupdate_2008_contents.pdf

No

YES

8. What local and additional funds were leveraged, if any?

Local and grant funds have been used on the UW campuses on an individual project basis.

9. Were the environmental outcomes and the reduction of adverse impacts examined? YES

The draft and final Environmental Impact Statement on the campus master plan does comply with Growth

Management Act and the Seattle, Bothell and Tacoma master plans.

The issuance of draft EID 10/16/2000, end of comment period 11/2000. Issues final eis 9/10/2001. Final campus master plan adopted January 2003.



UNIVERSITY of WASHINGTON

APPENDICES

- UW 2017-2019 Capital Expenditure Summary
- Campus Maps and Buildings
 - o UW Bothell
 - UW Seattle
 - UW Tacoma



2015-17 Capital Expenditure Summary - August 2016 Univeristy of Washington - Agency 360

Fund/Appropriation Code	CBS Project		Total Allotted	Total Expended	Balance	Reappropriation
Description	Number	2015-17	July 2015	August 2016	August 2016	Amount
S00 Denny Hall Renovation	20081002	27,159,699	27,159,699	27,159,699		
ह्ये S01 Lewis Hall Renovation	20081003	128,210	128,210	40	128,170	
SO7 UWT Urban/Science Educ Facility	91000014	497,498	497,498	497,498		
ड्डा T34 Ctr for Advanced Materials and Clean Energy	91000016	9,000,000	1,400,000	1,562,729	7,437,271	6,500,000
$\frac{9}{8}$ T38 UWT Urban/Science Educ Facility	91000014	16,000,000	16,000,000	6,118,079	9,881,921	
나 나 Bothell Phase 4 Predesign	30000378	500,000	200,000	350,056	149,944	120,000
ದ್ಧಿ T59 HS Education T Wing Renov	30000486	623,000	623,000	339,737	283,263	150,000
T64 CSE Expansion	30000603	17,500,000	7,800,000	3,500,494	13,999,506	13,000,000
frame Museum	20082850	26,000,000	26,000,000	2,292,225	23,707,775	10,000,000
T93 SON Simulation Learning Lab	30000600	4,000,000	4,000,000	285,721	3,714,279	3,000,000
T99 HS Interprof Education	30000602	2,710,000	2,710,000	240,513	2,469,487	2,000,000
de d		104,118,407	86,818,407	42,346,791	61,771,616	34,770,000
व a S05 Minor Capital Repairs-Preservation	30000494	951,740	951,740	604,004	347,736	
ত্ৰ T49 Minor Capital Repairs-Preservation	30000604	28,175,000	28,175,000	9,185,138	18,989,862	10,000,000
T71 CSE Expansion	30000603	15,000,000			15,000,000	15,000,000
T82 Prevent Facility Maint.	30000714	25,825,000	25,825,000	15,065,167	10,759,833	
064 U OF W BLDG Total		69,951,740	54,951,740	24,854,309	45,097,431	25,000,000
T00 UWT Soil Remediation	92000002	1,000,000	1,000,000	154,876	845,124	
173 ST TOXICS CONTROL ACCT Total		1,000,000	1,000,000	154,876	845,124	0
Grand Total		175,070,147	142,770,147	67,355,976	107,714,171	59,770,000

UW Bothell Buildings

Facility Code	Name
BXA	Beardslee Crossing Admin/HR Building
BXC	Beardslee Crossing Chancellor Building
CCC1	Cascadia Community College Building 1
CCC2	Cascadia Community College Building 2
CCC3	Cascadia Community College Building 3
CHAS	Chase House
CVA	Campus View Apartments
DISC	Bothell Discovery Hall
HVAS	Husky Village Student Housing Aspen
HVCO	Husky Village Student Housing Cottonwood
HVDO	Husky Village Student Housing Dogwood
HVHA	Husky Village Student Housing Hawthorne
HVOA	Husky Village Student Housing Oak
HVPI	Husky Village Student Housing Pine
HVSP	Husky Village Student Housing Spruce
HVWI	Husky Village Student Housing Willow
L178	Husky Hall
LB1	Bothell Campus Library
LB2	Bothell Library Building 2
LB2	Bothell Library Building 2
LBA	Bothell Library Annex
NPKG	North Parking Garage
PH2	Bothell Physical Plant Building
SARC	Activities & Recreation Center
SPKG	South Parking Garage
SSGC	Sarah Simonds Green Conservatory
TRUL	Truly House
UW1	Bothell Campus Building UW1
UW2	Bothell Campus Building UW2
UWBB	UW Bothell Beardslee Building

UW Seattle Buildings

OVV SCUL	tie ballalligs
Facility Code	Name
2104	2104 House
AAB	Limantzakis Buildings, 4518-4522 University Way NE
AAD	4512 University Way NE
ACC	John M. Wallace Hall
ADA	3945 15th Avenue NE
ADL	Aerodynamics Laboratory
ADS	4545 Building (UW Technology)
AER	Aerospace and Engineering Research Building
АНО	Alumni House
ALB	Allen Library
ALD	Alder Hall
AND	Anderson Hall
ARC	Architecture Hall
ART	Art Building
ASC	Architect South Campus Construction Office
ATG	Atmospheric Sciences-Geophysics Building
AVA	Faye G. Allen Center for the Visual Arts
BAG	Bagley Hall
BIOE	William H. Foege Bioengineering
BLD	Bloedel Hall
BMM	Burke Memorial-Washington State Museum
BNS	Benson Hall
BOW	Bowman Building, 4625 Union Bay Place NE
BRA	Bryants Annex
BRY	Bryants Building
BSG	Baseball Grandstand
BSG	Baseball Grandstand
BSG	Baseball Grandstand
CCC	Child Care Center
CDA	Commodore-Duchess Apartments
CDH	Condon Hall
CDRE	Cedar East Apartments
CDRW	Cedar West Apartments
CFU	1303 N.E. BOAT STREET
СНВ	Chemistry Building
CHCL	Center on Human Development and Disability Clinic
CHCL	Center on Human Development and Disability Clinic
CHCL	Center on Human Development and Disability Clinic
CHL	Chemistry Library Building
CHSB	Center on Human Development and Disability South
CHSC	Center on Human Development and Disability School
CLK	Clark Hall
CMA	Ceramic and Metal Arts Building
CMA	Ceramic and Metal Arts Building
CMU	Communications Building

CNH	Canoe House	EGA	Engineering Annex
CRB	Corbet Building	EGL	Eagleson Hall
CSE	Paul G. Allen Center for Computer Science & Engineering	EHD	668 N. E. Northlake Way (Environmental Hith Dept)
CSH	Conibear Shellhouse	EIC	3939 University Way N.E.
CY1	Corp Yard Container 1	ELB	Engineering Library
CY10	Corp Yard Container 10	ELM	Elm Hall
CY11	Corp Yard Container 11	ESB	Environmental Safety Storage Building
CY12	Corp Yard Container 12	ESB	Environmental Safety Storage Building
CY13	Corp Yard Container 13	ESB	Environmental Safety Storage Building
CY14	Corp Yard Container 14	ESO	Environmental Safety Office Building
CY15	Corp Yard Container 15	EXED	Bank of America Executive Education Center
CY16	Corp Yard Container 16	FAC	University of Washington Club (Faculty Center)
CY17	Corp Yard Container 17	FLK	Fluke Hall
CY18	Corp Yard Container 18	FSH	Fishery Sciences
CY18	Corp Yard Container 18	FTR	Fisheries Teaching and Research Building
CY19	Corp Yard Container 19	GA1	Guthrie Annex 1
CY19	Corp Yard Container 19	GA2	Guthrie Annex 2
CY2	Corp Yard Container 2	GA3	Guthrie Annex 3
CY20	Corp Yard Container 20	GA4	Guthrie Annex 4
CY20	Corp Yard Container 20	GAB	Graves Annex Building
CY21	Corp Yard Container 21	GCS	3935 University Way NE
CY21	Corp Yard Container 21	GDR	Golf Driving Range Building
CY22	Corp Yard Container 22	GH2	Gatehouse 2 - Memorial Way
CY22	Corp Yard Container 22	GH2	Gatehouse 2 - Memorial Way
CY23	Corp Yard Container 23	GH3	Gatehouse 3 - Pend Oreille
CY23	Corp Yard Container 23	GH5	Gatehouse 5 - NE 40th
CY24	Corp Yard Container 24	GH6	Gatehouse 6 - 15th NE
CY24	Corp Yard Container 24	GH6	Gatehouse 6 - 15th NE
CY25	Corp Yard Container 25	GLB	4534 University Way NE (Gelb Building)
CY26	Corp Yard Container 26	GLD	Gould Hall
CY27	Corp Yard Container 27	GNOM	William H. Foege Genome Sciences
CY28	Corp Yard Container 28	GRB	Gerberding Hall
CY29	Corp Yard Container 29	GTH	Guthrie Hall
CY3	Corp Yard Container 3	GUA	Guggenheim Annex
CY30	Corp Yard Container 30	GUG	Guggenheim Hall
CY31	Corp Yard Container 31	GWN	Gowen Hall
CY4	Corp Yard Container 4	HAG	Henry Art Gallery
CY5	Corp Yard Container 5	НСК	Hitchcock Hall
CY6	Corp Yard Container 6	HGT	Haggett Hall
CY7	Corp Yard Container 7	HHL	Harris Hydraulics Laboratory
CY9	Corp Yard Container 9	HLL	Hall Health Center
CYCO	Corp Yard Container Office	HND	Henderson Hall
DEM	Dempsey Hall	HNS	Hansee Hall
DEN	Denny Hall	НРТ	Hughes Penthouse Theatre
DRC	Douglas Research Conservatory	HSA	Magnuson Health Sciences Center A
DSC	3941 University Way NE	HSAA	Magnuson Health Sciences Center AA
EDP	Hec Edmundson Pavilion	HSB	Magnuson Health Sciences Center B
EE1	Electrical Engineering Building	HSBB	Magnuson Health Sciences Center BB
		-	5

HSC	Magnuson Health Sciences Center C	MER	Merrill Hall
HSD	Magnuson Health Sciences Center D	MGH	Mary Gates Hall
HSE	Magnuson Health Sciences Center E	MKZ	Mackenzie Hall
HSF	Magnuson Health Sciences Center F	MLR	Miller Hall
HSG	Magnuson Health Sciences Center G	MNY	Meany Hall
HSH	Magnuson Health Sciences Center H	MOL	Molecular Engineering & Sciences Building
HSI	Magnuson Health Sciences Center I	MOR	More Hall
HSJ	Magnuson Health Sciences Center J	MRCA	Mercer Court Building A
HSK	Fialkow Biomedical Sciences Research Pavilion (K wing)	MRCB	Mercer Court Building B
HSRR	Magnuson Health Sciences Center RR	MRCC	Mercer Court Building C
HST	Magnuson Health Sciences Center T	MRCD	Mercer Court Building D
HUB	Student Union Building	MRCE	Mercer Court Building E
HUT	Hutchinson Hall	MSB	Marine Sciences Building
IC2	3930 Brooklyn Avenue NE	MUS	Music Building
ICH	Cunningham Hall	NBM	New Burke Museum
ICT	Ethnic Cultural Center Theatre	NHS	Northwest Horticultural Society Hall
IMA	Intramural Activities Building	NLB	Northlake Building
INT	Intellectual House	NPC	North Physics Laboratory Cyclotron Building
IPF	Indoor Practice Facility (Dempsey Indoor Center)	NPS	North Physics Laboratory Cyclotron Shop
ISA	Isaacson Hall	NRB	More Hall Annex
JHN	Johnson Hall	NTC	Nordstrom Tennis Center
KIN	Kincaid Hall	OBS	Theodor Jacobsen Observatory
KIR	Kirsten Wnd Tunnel	OCE	Oceanography Building
KNE	Kane Hall	OCN	Ocean Sciences Building
L039	45th Street Plaza Building, 1100 NE 45th St	ODB	Oceanography Dock Building
L218	4545 Roosevelt	OR1	Plant Operations Annex 7 (Modular)
LAN1	LANDER HALL	OR2	Ocean Research Bldg. #2 (Trailer)
LAVC	Laurel Village Building C	OSS	Oceanography Storage Shed
LAVM	Laurel Village Building M	ОТВ	Oceanography Teaching Building
LAVN	Laurel Village Building N	OTS	1429 NE Boat St
LAVP	Laurel Village Building P	OTS	1429 NE Boat St
LAVQ	Laurel Village Building Q	OTT	Roosevelt I, 4225 Roosevelt Way NE
LAVR	Laurel Village Building R	OUG	Odegaard Undergraduate Library
LAVS	Laurel Village Building S	PAA	Physics-Astronomy Auditorium
LAVT	Laurel Village Building T	PAB	Physics-Astronomy Building
LAVU	Laurel Village Building U	PAR	Parrington Hall
LAVV	Laurel Village Building V	PAT	Physics-Astronomy Tower
LAVW	Laurel Village Building W	PBB	Portage Bay Building
LAVX	Laurel Village Building X	PCAR	PACCAR Hall
LAVY	Laurel Village Building Y	PCH	Purchasing and Accounting Building
LAW	William H. Gates Hall	PDL	Padelford Hall
LEW	Lewis Hall	PHT	Floyd and Delores Jones Playhouse
LOW	Loew Hall	PO2	Plant Operations Annex 2
MAH	Maple Hall	PO3	Plant Operations Annex 3
MAH	Maple Hall	PO4	Plant Operations Annex 4
MAR	Marine Studies Building	PO5	Plant Operations Annex 5
MCM	McMahon Hall	PO6	Plant Operations Annex 6
MEB	Mechanical Engineering Building	РОВ	Plant Operations Building

РОВ	Plant Operations Building	UFB	University Facilities Building
РОВ	Poplar Hall	UHF	Urban Horticulture Field House
PPO	Facilities Services Administration Building	UMCC	UW Medical Center, Wing CC
PRO	Warren Building, 909 NE 43rd	UMCU	UWMC Wing SA Montlake Tower Central Utility Plant
PSB	Plant Services Building	UMEB	UW Medical Center, Wing EB
PSV	Publications Services Building	UMEC	UW Medical Center, Wing EC
PVP	Pavilion Pool	UMEE	
PWR	Power Plant	UMNN	UW Medical Center, Wing NN
PWR	Power Plant	UMSA	UW Medical Center, Wing SA Montlake Tower
PWR	Power Plant	UMSE	UW Medical Center, Wing SA - Montlake Tower UW Medical Center, Wing SE
PWR	Power Plant	UMSP	UW Medical Center, Surgery and Treatment Pavilion
QUC	Roosevelt II, 4245 Roosevelt Way NE	UMSS	UW Medical Center, Wing SS
RAI	Raitt Hall	UMSW	UW Medical Center, Wing SW
RAX	Roberts Annex	URC	SW Maintenance Bldg
RCE	Roosevelt Commons East, 4311 11th Ave NE	UWPD	UW Police Department
REC	· ·	UWPD	·
ROB	4535 Union Bay Place (Solid Waste Management Office) Roberts Hall	UWPD	UW Police Department UW Police Department
RTB			'
SAV	Benjamin Hall Interdisciplinary Research Building (R&T Bld	UWTC	4328 BROOKLYN AVE NE (UW TOWER BUILDING A)
SCA	Savery Hall Stevens Court A	UWTO	UW Tower Building C UW Tower Building O
SCB	Stevens Court B	UWTS	UW Tower Building S
SCC	Stevens Court C	UWTT	UW Tower Building T
SCD	Stevens Court C Stevens Court D	W45	, and the second
SCH	Stevens Court H	W46	PARKING GARAGE W-45 (UW TOWER GARAGE B)
SCJ	Stevens Court J	WAC	PARKING GARAGE W-46 (UW TOWER GARAGE A) Waterfront Activities Center
SCK	Stevens Court K	WCL	Wilson Ceramic Laboratory
SCL	Stevens Court L	WCP	Portage Bay Parking Facility (West Campus Parking Garage)
SCM	Stevens Court M	WFB	Wells Fargo Building, 4100 University Way NE
SEB	Staff Human Resources Building	WFS	Winkenwerder Forest Sciences Laboratory
SGS	3947 University Way N.E.	WIL	Wilcox Hall
SHA	Shellhouse Annex 1	WLA	Wilson Annex
SIG	Sieg Hall	WNX	Winkenwerder Annex
SMI	Smith Hall	WRS	West Receiving Station
SMZ	Schmitz Hall	WRS	West Receiving Station West Receiving Station
SOCC	South Campus Center	WSB	Women's Fastpitch Softball Building
SPG	South Campus Parking Garage	WSG	3710 Brooklyn Avenue NE
SSB	The Brooklyn Trail Building	WSP	3716 Brooklyn Avenue NE
STD	Stadium	X05	HELISTOP PAD
STD	Stadium	λ03	TILLISTOT TAB
SUZ	Suzzallo Library		
SWS	Social Work/Speech and Hearing Sciences Building		
TGB	Graves Hall		
THO	Thomson Hall		
TSA1	Transportation Services Annex 1		
TSB	Transportation Services Building		
UDB	University District Building, 1107 NE 45th Street		
UFA	University Facilities Annex 1		
U. A	Oniversity Fueliness Annies I		

University Facilities Annex 2 (CPO Annex 2)

UFA2

UW Tacoma Buildings

Facility Code	Name
ВВ	Birmingham Block
BHS	Birmingham Hay & Seed
CAR	Carlton Center

CP Cherry Parkes Building
DOU Dougan Building

GWP Garretson Woodruff Pratt Building

HAR Harmon Building JOY Russell T Joy Building KEY **Keystone Building** L053 **Swiss Building** LBH Laborer's Hall LBR Library Building LSH Longshoremen's Hall MAT Mattress Factory Building MDS McDonald-Smith Building PAL Pagni & Lenti Grocery PNK Pinkerton Building

STM Strom Building
SWB Stoneway Building

TIO Tioga Building

SCI

WCG West Coast Grocery Building
WG Walsh Gardner Building

WHT Whitney Memorial United Methodist Church

Tacoma Science Building

WPH William W. Philip Hall Assembly Hall

X102 SPAGHETTI FACTORY

University of Washington Bothell

University of Washington Seattle

