2020 PROJECT PROPOSAL CHECKLIST

2021-23 Biennium Four-year Higher Education Scoring Process

AINSTITUTION	CAMPUS LOCATION
365 - Washington State University	Pullman, WA
PROJECT TITLE	**FPMT UNIQUE FACILITY ID # (OR NA)**
Washington State University Pullman – STEM Teaching Labs	A09794
PROJECT CATEGORY	**PROJECT SUBCATEGORY**
Renovation	Standalone
PROPOSAL IS	
New or Updated Proposal (for scoring)	**Resubmitted Proposal (retain prior score)**
☐ New proposal ☐ Resubmittal to be scored (more than 2 biennia old or significantly changed)	☒ Resubmittal from 2017-19 biennium ☐ Resubmittal from 2019-21 biennium
CONTACT	**PHONE NUMBER**
Kate Kamerrer	509-335-9314

PROPOSAL CONTENT

- ☒ Project Proposal Checklist: this form; one for each proposal
- ☐ Project Proposal Form: Specific to category/subcategory (10-page limit) **(NA)**
- ☒ Appendices: templates, forms, exhibits and supporting/supplemental documentation for scoring.

INSTITUTIONAL PRIORITY

- ☒ Institutional Priority Form. Sent separately (not in this packet) to: Darrell Jennings.

Check the corresponding boxes below if the proposed project meets the minimum threshold or if the item listed is provided in the proposal submittal.

MINIMUM THRESHOLDS

- ☒ Project is not an exclusive enterprise function such as a bookstore, dormitory or contract food service.
- ☒ Project meets LEED Silver Standard requirements.
- ☒ Institution has a greenhouse gas emissions reduction policy in place in accordance with RCW 70.235.070 and vehicle emissions reduction policy in place per RCW 47.01.440 or RCW 43.160.020 as applicable.
- ☐ Design proposals: A complete predesign study was submitted to OFM by July 1, 2020.
- ☐ Growth proposals: Based on solid enrollment projections and is more cost-effectively providing enrollment access than alternatives such as university centers and distance learning.
- ☐ Renovation proposals: Project should cost between 60 – 80% of current replacement value and extend the useful life of the facility by at least 25 years.
- ☐ Acquisition proposals: Land acquisition is not related to a current facility funding request.
- ☐ Infrastructure proposals: Project is not a facility repair project.
- ☒ Stand-alone, infrastructure and acquisition proposals: is a single project requesting funds for one biennium.

2020 PROJECT PROPOSAL CHECKLIST

2021-23 Biennium Four-year Higher Education Scoring Process

REQUIRED APPENDICES

- ☒ Capital Project Report CBS 002
- ☒ Project cost estimate:
  - CBS 003 for projects between $2 million and $5 million
  - Excel C-100 for projects greater than $5 million
- ☐ Degree Totals and Targets template to indicate the number of Bachelors, High Demand and Advanced degrees expected to be awarded in 2021. (Required for Overarching Criteria scoring criteria for Major Growth, Renovation, Replacement and Research proposals).
- ☒ Availability of Space/Campus Utilization template for the campus where the project is located. (Required for all categories/subcategories except Infrastructure and Acquisition proposals).
- ☒ Assignable Square Feet template to indicate program-related space allocation. (Required for Growth, Renovation and Replacement proposals, all categories/subcategories).

OPTIONAL APPENDICES

Attach supplemental and supporting project documentation, *limit to materials directly related to and needed for the evaluation criteria*, such as:

- ☐ Degree and enrollment growth projections
- ☐ Selected excerpts from institutional plans
- ☐ Data on instructional and/or research space utilization
- ☐ Additional documentation for selected cost comparables (acquisition)
- ☐ Selected materials on facility conditions
- ☐ Selected materials on code compliance
- ☐ Tables supporting calculation of program space allocations, weighted average facility age, etc.
- ☐ Evidence of consistency of proposed research projects with state, regional, or local economic development plans
- ☐ Evidence of availability of non-state matching funds
- ☐ Selected documentation of prior facility failures, high cost maintenance, and/or system unreliability for infrastructure projects
- ☐ Documentation of professional assessment of costs for land acquisition, land cleanup, and infrastructure projects
- ☐ Selected documentation of engineering studies, site survey and recommendations, or opinion letters for infrastructure and land cleanup projects
- ☒ Other: WSU Facility Development Plan

I certify that the above checked items indicate either that the proposed project meets the minimum thresholds or the corresponding items have been included in this submittal.

Name: Kate Kamerrer Title: Exec Director – Finance, Business & Building Services

Signature: Kate Kamerrer Date: 08/14/2020

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365 - Washington State University
Capital Project Request

2021-23 Biennium

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Version: 10 2021-23 WSU Capital Budget Request

Report Number: CBS002
Date Run: 8/14/2020 10:32AM

Project Number: **30001326**
Project Title: **Washington State University Pullman - STEM Teaching Labs**

Description

Starting Fiscal Year: 2022
Project Class: Preservation
Agency Priority: 9

Project Summary

Washington State University (WSU) requests $4,900,000 in the 2021-23 capital budget for the renovation of STEM Undergraduate Teaching Labs in Eastlick Hall on the Pullman campus. This funding will support the design and construction necessary to renovate four teaching laboratories, including associated building systems and infrastructure. This project will create safe, collaborative, and technologically advanced learning spaces, which in turn, will promote active learning and enhance student success.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Eastlick Hall was constructed in 1977 and its teaching laboratories still serve some of the university's largest and most important biological science courses, from introductory laboratory experiences for non-science majors through upper-division courses essential to students pursuing healthcare and STEM-related careers. The building systems supporting these science labs include aging air handling (HVAC) units that need to be renewed to ensure the health and safety of students and faculty. Other planned improvements to plumbing, electrical, storage and security (including card-swipe access) will extend the lifespan of laboratories, samples, and supplies.

Eastlick Hall has a current Comparable Framework Study score of 5 (Needs Improvement – Marginal Functionality). The proposed project scope is intended to provide state-of-the-art learning space, address deficiencies in the air handling and exhaust systems, and minimize energy losses associated with these aging systems.

What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Please provide detailed cost backup.

During the 2017-19 biennium, WSU made a similar request of $4,900,000 for STEM teaching laboratories and received $1,000,000. As a result of that funding, WSU was able to upgrade one of the five teaching laboratories on the first floor of Eastlick Hall along with critical building systems supporting the space. This follow-up request is intended to renovate the other four teaching laboratories, adjoining preparation rooms and remaining HVAC building systems.

Renovations will take place during summer months to minimize disrupting lab courses taught during the heavily scheduled academic year semesters. This intermediate-sized project is the second phase of the university's Facility Development Plan to systematically refurbish and modernize the Pullman campus STEM teaching labs. Funding for a standalone renovation project such as this would have a near-term impact on students' educational experience in contrast to waiting six years for a major construction project.

How would the request address the problem or opportunity identified in question 1? What would be the result of not taking action?

The proposed project scope to renovate Eastlick's first floor labs targets safety concerns for students and faculty along with teaching lab improvements necessary to meet modern pedagogical standards. In addition, this renovation will bring the building systems into compliance with current codes while maximizing energy efficiency by adding variable frequency drives to critical fan motors and pumps. Modern laboratory control strategies will be applied to maintain air quality as well as energy conservation throughout the project. Finishes, casework and furniture will be upgraded to provide maximum flexibility and compliance with current ADA standards. The teaching labs will incorporate new lab equipment and systems necessary for safe use of laboratory chemicals that are a part of the biological sciences teaching pedagogy.

The result of not taking action continues to put students and faculty in a building that does not comply with the current energy, ventilation and ADA codes. Because of the age and rigidity of the laboratory spaces, not doing the project prevents faculty and students from teaching and learning in updated science space using modern collaborative methods.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.

This proposed project along with the previous $1,000,000 project completed in 2017-19 are both considered standalone renovations and therefore, not tied to a predesign. WSU's 10-year Facility Development Plan includes multiple standalone

Project Number: **30001326**
Project Title: **Washington State University Pullman - STEM Teaching Labs**

Description

renovation projects focused on renewing and improving learning space on the Pullman campus. This proposed STEM undergraduate teaching lab project will address the first floor in Eastlick Hall with similar future projects planned for the ground floor in Eastlick and numerous teaching labs in Abelson Hall. The primary project scope includes upgrades to interior finishes, casework, furniture, and critical building systems, but specific details and associated alternatives will be explored rigorously during the design process.

Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.

This proposed renovation project will impact nearly all undergraduate educational units on the Pullman campus as more than 2,500 undergraduate and graduate students are taught in Eastlick Hall each semester. Eastlick Hall supports multiple units and spans several colleges at WSU. The primary resident unit is the School of Biological Sciences, which enrolls the third-highest number of Average Annual Full-Time Equivalent students across the WSU system with student credit hours taught by the unit averaging almost 28,500 per year. The laboratories also provide foundational instruction for the large number of students taking University Core Requirement science classes along with those in high-demand STEM degree programs, including (but not limited to) zoology, bioengineering, natural resource sciences, nursing, pharmacy, and veterinary medicine.

Remodeling these outdated laboratories will foster small-group collaborations and use of modern audio-visual tools will diversify teaching capabilities improving instructor-student and student-student communications.

Does this project or program leverage non-state funding? If yes, how much by source? If the other funding source requires cost share, also include the minimum state (or other) share of project cost allowable and the supporting citation or documentation.

While efforts are being made to leverage other funds, non-state funds have not been identified.

Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

WSU's Facility Development Plan is focused on identifying and prioritizing capital projects which balance continued stewardship and renewal of existing facilities and infrastructure within a framework for responsible growth. The plan recognizes the urgent need to address a large and rapidly growing deferred maintenance backlog which has been identified as a significant risk to future operations at all of the WSU campuses as they age. Additionally, the goals of this plan are consistent with the Master Plans for each of the WSU campuses which together include emphasis on open spaces, pedestrian access, community connection and campus identity, and research and/or program excellence.

The proposed STEM teaching laboratory renovations within Eastlick Hall are the first priority in a series of planned renovations that will not only improve STEM academic programs, but also remove inadequate space that is obsolete and well beyond its useful life. Once complete with this work in Eastlick Hall, the university plans to proceed with similar capital budget request for STEM teaching laboratory renovations in Abelson Hall during the 2025-27 biennium.

Does this decision package include funding for any Information Technology related costs including hardware, software (to include cloud-based services), contracts or staff? If the answer is yes, you will be prompted to attach a complete IT addendum. (See Chapter 10 of the operating budget instructions for additional requirements.)

This request does not include any Information Technology related costs.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 12 Puget Sound Recovery) in the 2021-23 Operating Budget Instructions.

This proposed project is not linked to the Puget Sound Action Agenda.

How does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? Please elaborate.

Capital projects identified in the University's Facility Development Plan contribute directly to a reduction in the deferred maintenance backlog, through either significant renovation, rehabilitation or replacement of existing facilities. In addition, the development plan's guiding principles include energy efficiency improvements, carbon reduction and water savings.

In addition to renovations within four teaching laboratories, this project will also renew obsolete building systems and HVAC equipment. This approach will allow the university to focus some funding on technology that will improve energy efficiency and reduce carbon emissions. As a result, preliminary planning associated with this project acknowledges the requirements of House Bill 1257 (Washington State Clean Energy Standards) and House Bill 2311 (Greenhouse Gas Emissions) and strives to include energy improvements and carbon reduction throughout all project planning and execution.

Is there additional information you would like decision makers to know when evaluating this request?

Renovation of teaching laboratories will also contribute to significant program growth (both current and anticipated) for the building's primary resident unit, the School of Biological Sciences, which delivers one of the highest teaching loads of all WSU

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365 - Washington State University
Capital Project Request
2021-23 Biennium

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Version: 10 2021-23 WSU Capital Budget Request

Report Number: CBS002
Date Run: 8/14/2020 10:32AM

Project Number: **30001326**
Project Title: **Washington State University Pullman - STEM Teaching Labs**

Description

academic units.
Undergraduate students at WSU, particularly in high-demand disciplines, will significantly benefit from the Eastlick teaching lab renovations. Providing safe, modern, hands-on learning spaces will also contribute to the university's economic impact for the state and the nation by developing well-qualified, workforce-ready graduates.
*Project was previously submitted and will retain score from 2017-19. Refer to project proposal checklist and supporting appendices for additional information.

Location
City: Pullman **County:** Whitman **Legislative District:** 009

Project Type
Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts
WSU Pullman's physical planning policies are coordinated with many agencies and government units. The Growth Management Act and its companion Traffic Demand Management legislation and the State Environmental Policy Act, however, are applicable to WSU's physical facilities and programs. Growth Management Act (GMA)-WSU will coordinate with Counties and Municipalities throughout the State to ensure compliance with GMA. WSU will avoid construction or activities which would permanently impair "critical" areas on its campuses as they are defined in the GMA. Transportation Demand Management-A companion piece of legislation sets forth a policy for Transportation Demand Management in which the State of Washington will provide leadership. The Director of the State of Washington Department of General Administration (DGA) is required to develop a commute trip reduction plan for state agencies which are Phase I major employers WSU will conform to the plans developed by DGA. State Environmental Policy Act (SEPA)-WSU has adopted procedures set forth in the State Environmental Policy Act Handbook December 1988 and the State Environmental Policy Act Rules Chapter 197-11 Washington Administrative Code Effective April 4, 1984. Adherence to these procedures will be one of the principal means by which WSU coordinates its compliance with Growth Management requirements.

Funding

			Expenditures		2021-23 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	9,900,000				4,900,000
062-1	WSU Building Account-State	1,000,000	1,000,000			
	Total	**10,900,000**	**1,000,000**	**0**	**0**	**4,900,000**

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State		5,000,000		
062-1	WSU Building Account-State				
	Total	**0**	**5,000,000**	**0**	**0**

Schedule and Statistics

Start Date	End Date

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Capital Project Request
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Version: 10 2021-23 WSU Capital Budget Request

Report Number: CBS002
Date Run: 8/14/2020 10:32AM

Project Number: **30001326**
Project Title: **Washington State University Pullman - STEM Teaching Labs**

Schedule and Statistics

	Start Date	End Date
Predesign		
Design	8/1/2021	5/1/2022
Construction	5/1/2022	6/1/2023

	Total
Gross Square Feet:	6,305
Usable Square Feet:	5,733
Efficiency:	90.9%
Escalated MACC Cost per Sq. Ft.:	389
Construction Type:	Science Labs (teaching)
Is this a remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	12.46%

Cost Summary

		Escalated Cost	% of Project
Acquisition Costs Total		**0**	**0.0%**
Consultant Services			
Pre-Schematic Design Services		0	0.0%
Construction Documents		227,092	4.6%
Extra Services		51,640	1.1%
Other Services		125,367	2.6%
Design Services Contingency		41,020	0.8%
Consultant Services Total		**445,118**	**9.1%**
Maximum Allowable Construction Cost(MACC)	**2,453,805**		
Site work		0	0.0%
Related Project Costs		0	0.0%
Facility Construction		2,453,805	50.1%
GCCM Risk Contingency		147,756	3.0%
GCCM or Design Build Costs		453,822	9.3%
Construction Contingencies		245,381	5.0%
Non Taxable Items		0	0.0%
Sales Tax		257,460	5.3%
Construction Contracts Total		**3,558,224**	**72.6%**
Equipment			
Equipment		527,700	10.8%
Non Taxable Items		0	0.0%
Sales Tax		41,161	0.8%

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365 - Washington State University
Capital Project Request
2021-23 Biennium

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Version: 10 2021-23 WSU Capital Budget Request

Report Number: CBS002
Date Run: 8/14/2020 10:32AM

Project Number: **30001326**
Project Title: **Washington State University Pullman - STEM Teaching Labs**

Cost Summary

	Escalated Cost	% of Project
Equipment Total	**568,861**	**11.6%**
Art Work Total	**24,377**	**0.5%**
Other Costs Total	**40,784**	**0.8%**
Project Management Total	**262,398**	**5.4%**
Grand Total Escalated Costs	**4,899,762**	
Rounded Grand Total Escalated Costs	**4,900,000**	

Operating Impacts

No Operating Impact

Narrative

This is a lab upgrade and infrastructure project.

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Capital Project Request

2021-23 Biennium

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Parameter	Entered As	Interpreted As
Biennium	2021-23	2021-23
Agency	365	365
Version	10-A	10-A
Project Classification	*	All Project Classifications
Capital Project Number	30001326	30001326
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

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365 - Washington State University
Cost Estimate Summary
2021-23 Biennium

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Cost Estimate Number: 230
Cost Estimate Title: WSU Pullman - STEM Teaching Labs
Report Number: CBS003
Date Run: 8/7/2020 9:20AM

Version: 10 2021-23 WSU Capital Budget Request
Agency Preferred: Yes
Project Number: 30001326
Project Title: Washington State University Pullman - STEM Teaching Labs
Project Phase Title:

Contact Info **Contact Name:** Kelly Cornish **Contact Number:** 509.335.9101

Statistics

Gross Sq. Ft.:	6,305
Usable Sq. Ft.:	5,733
Space Efficiency:	91%
MACC Cost per Sq. Ft.:	369
Escalated MACC Cost per Sq. Ft.:	389
Remodel?	Yes
Construction Type:	Science Labs (teaching)
A/E Fee Class:	B
A/E Fee Percentage:	12.46%

Schedule

	Start Date	End Date
Predesign:		
Design:	08-2021	05-2022
Construction:	05-2022	06-2023
Duration of Construction (Months):	13	

Cost Summary Escalated

Acquisition Costs Total			**0**
Pre-Schematic Design Services		0	
Construction Documents		227,092	
Extra Services		51,640	
Other Services		125,367	
Design Services Contingency		41,020	
Consultant Services Total			**445,118**
Site work		0	
Related Project Costs		0	
Facility Construction		2,453,805	
Construction Contingencies		245,381	
Non Taxable Items		0	
Sales Tax		257,460	
Construction Contracts Total			**3,558,224**
Maximum Allowable Construction Cost(MACC)	**2,453,805**		
Equipment		527,700	
Non Taxable Items		0	
Sales Tax		41,161	
Equipment Total			**568,861**
Art Work Total			**24,377**
Other Costs Total			**40,784**
Project Management Total			**262,398**
Grand Total Escalated Costs			**4,899,762**
Rounded Grand Total Escalated Costs			**4,900,000**

Additional Details

Alternative Public Works Project: Yes

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365 - Washington State University
Cost Estimate Summary
2021-23 Biennium

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Cost Estimate Number: 230
Cost Estimate Title: WSU Pullman - STEM Teaching Labs

Report Number: CBS003
Date Run: 8/7/2020 9:20AM

Version: 10 2021-23 WSU Capital Budget Request
Agency Preferred: Yes
Project Number: 30001326
Project Title: Washington State University Pullman - STEM Teaching Labs
Project Phase Title:

Contact Info **Contact Name:** Kelly Cornish **Contact Number:** 509.335.9101

Additional Details

State Construction Inflation Rate:	2.38%
Base Month and Year:	08-2020
Project Administration By:	AGY
Project Admin Impact to DES that is NOT Included in Project Total:	$0

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365 - Washington State University
Cost Estimate Detail
2021-23 Biennium

*

Cost Estimate Number: 230 **Analysis Date:** August 03, 2020
Cost Estimate Title: WSU Pullman - STEM Teaching Labs

Detail Title: WSU Pullman - STEM Teaching Labs
Project Number: 30001326
Project Title: Washington State University Pullman - STEM Teaching Labs
Project Phase Title:
Location: 3812

Contact Info **Contact Name:** Kelly Cornish **Contact Number:** 509.335.9101

Statistics

Gross Sq. Ft.:	6,305
Usable Sq. Ft.:	5,733
Rentable Sq. Ft.:	
Space Efficiency:	91%
Escalated MACC Cost per Sq. Ft.:	389
Escalated Cost per S. F. Explanation	

Construction Type:	Science Labs (teaching)
Remodel?	Yes
A/E Fee Class:	B
A/E Fee Percentage:	12.46%
Contingency Rate:	10.00%
Contingency Explanation	

Projected Life of Asset (Years):	50
Location Used for Tax Rate:	3812
Tax Rate:	7.80%
Art Requirement Applies:	Yes
Project Administration by:	AGY
Higher Education Institution?:	Yes
Alternative Public Works?:	Yes

Project Schedule

	Start Date	End Date
Predesign:		
Design:	08-2021	05-2022
Construction:	05-2022	06-2023
Duration of Construction (Months):	13	
State Construction Inflation Rate:	2.38%	
Base Month and Year:	8-2020	

Project Cost Summary

MACC:	$ 2,325,000
MACC (Escalated):	$ 2,453,805
Current Project Total:	$ 4,650,118
Rounded Current Project Total:	$ 4,650,000
Escalated Project Total:	$ 4,899,078
Rounded Escalated Project Total:	$ 4,899,000

ITEM	Base Amount	Sub Total	Escalation Factor	Escalated Cost
CONSULTANT SERVICES				
Construction Documents				
A/E Basic Design Services				219,879
SubTotal: Construction Documents				**227,092**
Extra Services				
Commissioning (Systems Check)	40,000			
Testing	10,000			
SubTotal: Extra Services		**50,000**	1.0328	**51,640**
Other Services				
Bid/Construction/Closeout				98,786
HVAC Balancing	20,000			
		118,786	1.0554	
SubTotal: Other Services				**125,367**
Design Services Contingency				
Design Services Contingency	38,867			
SubTotal: Design Services Contingency		**38,867**	1.0554	**41,020**
Total: Consultant Services		**427,532**	1.0411	**445,118**
CONSTRUCTION CONTRACTS				
Facility Construction				
C10 - Interior Construction	350,000			
C30 - Interior Finishes	270,000			
D20 - Plumbing Systems	270,000			
D40 - Fire Protection Systems	25,000			
F20 - Selective Demolition	20,000			
D30 - HVAC Systems	1,080,000			
D50 - Electrical Systems	250,000			
General Conditions	60,000			
SubTotal: Facility Construction		**2,325,000**	1.0554	**2,453,805**
GCCM Risk Contingency				
GCCM Risk Contingency	140,000			
SubTotal: GCCM Risk Contingency				**147,756**
GCCM or Design Build Costs				
GCCM Fee	130,000			
Bid General Conditions	170,000			
GCCM Preconstruction Services	50,000			
Bonds/Insurance	80,000			
SubTotal: GCCM or Design Build Costs		**430,000**	1.0554	**453,822**
Construction Contingencies				
Allowance for Change Orders	232,500			
SubTotal: Construction Contingencies		**232,500**	1.0554	**245,381**
Sales Tax		**243,945**	1.0554	**257,460**
Total: Construction Contracts		**3,371,445**	1.0554	**3,558,224**
Maximum Allowable Construction Cost (MACC)		**2,325,000**	1.0600	**2,453,805**
EQUIPMENT				

ITEM	Base Amount	Sub Total	Escalation Factor	Escalated Cost
EQUIPMENT				
E10 - Equipment	150,000			
E20 - Furnishings	350,000			
SubTotal:		**500,000**	1.0554	**527,700**
Sales Tax		**39,000**	1.0554	**41,161**
Total: Equipment		**539,000**	1.0554	**568,861**
ART WORK				
Higher Ed Artwork	23,721			
Total: Art Work		**24,377**	1.0000	**24,377**
OTHER COSTS				
Hazardous Material Remediation/Removal	6,000			
Facilities Services On-Site Supervision	15,140			
Facilities Services Interior Design	18,000			
Total: Other Costs		**39,140**	1.0420	**40,784**
PROJECT MANAGEMENT				
Agency Project Management	165,120			
Facilities Services PM	83,504			
Total: Project Management		**248,624**	1.0554	**262,398**

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Cost Estimate Summary and Detail

2021-23 Biennium

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Cost Estimate Number: 230
Cost Estimate Title: WSU Pullman - STEM Teaching Labs

Report Number: CBS003
Date Run: 8/7/2020 9:20AM

Parameter	Entered As	Interpreted As
Associated or Unassociated	Associated	Associated
Biennium	2021-23	2021-23
Agency	365	365
Version	10-A	10-A
Project Classification	*	All Project Classifications
Capital Project Number	30001326	30001326
Cost Estimate Number	230	230
Sort Order	Cost Estimate Title	Title
Include Page Numbers	Y	Yes
For Word or Excel	N	N
User Group	Agency Budget	Agency Budget
User Id	*	All User Ids

Availability of Space/Campus Utilization Template

2020 Four-year Higher Education Scoring Process

Required for all categories except Infrastructure and Acquisition.

Project Name:	Washington State University Pullman - STEM Teaching Labs
Institution:	Washington State University
Campus Location:	Pullman

Identify the average number of hours per week each (a) classroom seat and (b) classroom lab is expected to be utilized in Fall 2018 on the porposed porject's campus. Please fill in the green shaded cells for the **campus** where the project is located.

(a) General University Classroom Utilization		**(b) General University Lab Utilization**	
Fall 2019 Weekly Contact Hours	222,087	Fall 2019 Weekly Contact Hours	37,921
Multiply by % FTE Increase Budgeted	0.00%	Multiply by % FTE Increase Budgeted	0.00%
Expected Fall 2020 Contact Hours	222,087	Expected Fall 2020 Contact Hours	37,921
Expected Fall 2020 Classroom Seats	10,577	Expected Fall 2020 Class Lab Seats	2,592
Expected Hours per Week Utilization	**21.0**	**Expected Hours per Week Utilization**	**14.6**
HECB GUC Utilization Standard	22.0	HECB GUL Utilization Standard	16.0
Differrence in Utilization Standard	-5%	Differrence in Utilization Standard	-9%

If the campus does not meet the 22 hours per classroom seat and/or the 16 hours per class lab HECB utilization standards, describe any institutional plans for achieving that level of utilization.

WSU's Facility Development plan is focused on identifying and prioritizing capital projects which balance continued stewardship and renewal of existing facilities and infrastructure within a framework for responsible growth. While recent completed projects have aided progress towards reaching state targets for classroom and laboratory utilization, additional improvements are still required. This proposed project plans to transform existing underutilized space into modern classrooms and laboratories that will exceed HECB utilization standards. This guiding principle for all WSU projects will contribute to achieving the state's target space utilization goals.

Appendix B - Space Allocation

Program Related Space Allocation Template

Assignable Square Feet

Required for all Growth, Renovation and Replacement proposals.

Institution: Washington State University

Campus location: Pullman

Project name: STEM Teaching Labs

Input the assignable square feet for the proposed project under the applicable space types below:

Type of Space	Points	Assignable Square Feet	Percentage of total	Score [Points x Percentage]
Instructional space (classroom, laboratories)	10	5,733	100.00	10.00
Research space	2		0.00	0.00
Office space	4		0.00	0.00
Library and study collaborative space	10		0.00	0.00
Other non-residential space	8		0.00	0.00
Support and physical plant space	6		0.00	0.00
Total		**5,733**	**100.0**	**10.00**

Asset Detail Report

By Asset Name

Region: Pullman - WSU Main Campus **Asset:** EASTLICK HALL
Campus: Pullman Campus - Assessed Buildings **Asset Number:** 0082A

Assets are ordered by Asset Name **Currency: USD**

Statistics

FCI Cost:	15,025,572	**FCI:**	0.65
RI Cost:	16,904,252	**RI:**	0.73
Total Requirements Cost:	16,904,253		
Current Replacement Value:	23,157,984	**Date of most Recent Assessment:**	Oct 20, 2014

Type	Building		
Area	123,241 SF		
Use	ACADEMIC INSTRUCTION	**Construction Type**	
Floors	6	**Historical Category**	
Address 1	300 VETERANS WAY	**City**	PULLMAN
Address 2	-	**State/Province/Region**	UNITED STATES OF AMERICA
Year Constructed	1977	**Zip/Postal Code**	99164
Year Renovated	-	**Architect**	-
Ownership	Client Owned	**Commission Date**	-
		Decommission Date	-

Photo

EASTLICK HALL

Asset Description

General Description:

Eastlick Hall, also known as Building 82A, is located on the Washington State University campus in Pullman, WA at 300 Veteran's Way immediately adjacent and physically connected to Heald Hall on the south.

Asset Detail Report

By Asset Name

The structure is an 110,438 GSF, five-story structure with two basement levels and a penthouse. Portions of the Ground Floor project under paved patio areas above. According to Washington State University information the building was constructed in 1977.

The building contains offices, classrooms, and laboratories used primarily by the biological science program. The research lab spaces include a Vivarium Suite and a Biosafety Level 3 (BSL-3) Lab Suite, the latter of which not currently in use. The site slopes from northeast to southwest; the First Floor patio on the east is created by retaining walls, and the larger patio on the west, at the same floor level, is raised above the street elevation.

Generally, the survey included the portions of the site within ten feet of a building?s perimeter such as walks, fencing, retaining walls, loading dock pavement, etc. Corresponding deficiencies and corrections are then assigned to the building.

Per the Washington State Building Code, Chapter 51-50 WAC, Chapter 3, Section 304, this building is classified as Occupancy Group B Business. Based on field observations the building's Construction Type per the Washington State Building Code, Chapter 51-50 WAC, Chapter 6, Table 602, appears to meet the requirements of Type II-B, Noncombustible.

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
ACT System - Standard Renewal	Yes	C3030 - Ceiling Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2020	570,542
Accessible Ramp - NE Corner - Concrete Deteriorated and Handrail Maintenance	No	B1014 - Ramps	Accessibility	2- Due within 2 Years of Inspection	Oct 20, 2016	1,408
Air Balancing - B-56 Area	No	D30 - HVAC	Reliability	1- Due within 1 Year of Inspection	Oct 20, 2015	4,443
Aluminum Windows Renewal	Yes	B2020 - Exterior Windows	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	278,080
Bio Fans Renewal	Yes	D3042 - Exhaust Ventilation Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	57,897
Branch Wiring Renewal	Yes	D5021 - Branch Wiring Devices	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	563,829

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
Brick Cavity Walls - CMU Backup Renewal	Yes	B2010 - Exterior Walls	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	194,860
Brick Tile Renewal	Yes	G2031 - Paving and Surfacing	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	5,579
Building Wireless Upgrade	No	D50393 - LAN Network - Wireless	Technological Improvements	2- Due within 2 Years of Inspection	Aug 25, 2018	260,464
CMU Walls - Settlement Cracks	No	C1010 - Partitions	Reliability	2- Due within 2 Years of Inspection	Oct 20, 2016	3,612
Carpeting - Tile Renewal	Yes	C3020 - Floor Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2020	10,690
Central AHU - SF 1 Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	311,884
Central AHU - SF 2 Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	312,611
Central AHU - SF 4 Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	314,294
Central AHU - SF 5 Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	313,887
Central AHU - SF 6 Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	316,201
Central AHU - SF 7 Renewal	Yes	D3040 -	Lifecycle	3- Due	Oct 20,	55,308

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
		Distribution Systems		within 5 Years of Inspection	2021	
Ceramic Tile Renewal	Yes	C3020 - Floor Finishes	Interior Finishes	1- Due within 1 Year of Inspection	Oct 20, 2014	32,563
Chilled Water Distribution System Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	293,984
Cold Rooms Renewal	Yes	D30 - HVAC	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	254,546
Concrete - Painted Renewal	Yes	C3020 - Floor Finishes	Interior Finishes	1- Due within 1 Year of Inspection	Oct 20, 2014	3,644
Concrete Overhangs - Sagging	No	B10 - Superstructure	Reliability	1- Due within 1 Year of Inspection	Oct 20, 2015	12,845
Concrete Stair - M51N and G63 - Handrails Non-Compliant	No	C20 - Stairs	Building Code	4- Not Time Based		1,119
Cooling Tower - Galvanized Renewal	Yes	D3030 - Cooling Generating Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	210,738
Curtain Wall System - Standard Renewal	Yes	B2020 - Exterior Windows	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2017	129,038
Custodial/Utility Sinks Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	17,668
DDC/Pneumatic System - Hybrid Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2024	683,321

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
Deionized Water System Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	55,975
Distribution Equipment, Panelboards, and Feeders - 4000A 208Y/120V Renewal	Yes	D5012 - Low Tension Service and Dist.	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	981,131
Door Assembly - 3 x 7 HM Renewal	Yes	B2030 - Exterior Doors	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	21,788
Door Assembly - 3 x 7 Storefront Renewal	Yes	B2030 - Exterior Doors	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	20,889
Door Assembly - 6 x 7 HM Renewal	Yes	B2030 - Exterior Doors	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	16,749
Door Assembly - 6 x 7 Storefront Renewal	Yes	B2030 - Exterior Doors	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	20,944
Dust Collector Renewal	Yes	D3093 - Dust and Fume Collectors	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2025	7,151
Egress Stairs - Non-Compliant Handrails	No	C20 - Stairs	Building Code	4- Not Time Based		31,315
Emergency Electrical Service - 150A 208Y/120V + Distribution Renewal	Yes	D5012 - Low Tension Service and Dist.	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	20,031
Emergency Eyewash and Shower Units Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	52,061
Epoxy Flooring Renewal	Yes	C3020 - Floor Finishes	Lifecycle	2- Due within 2 Years of	Oct 20, 2016	15,507

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
Epoxy Flooring Renewal	Yes	C3020 - Floor Finishes	Lifecycle	2- Due within 2 Years of Inspection	Oct 20, 2016	87,910
Exhaust System - Fume Hoods Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	495,792
Exhaust System - General Building Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	153,754
Exit Signs Renewal	Yes	D5092 - Emergency Light and Power Systems	Lifecycle	2- Due within 2 Years of Inspection	Oct 20, 2016	82,032
Exterior Plaster Soffits - Damaged and Need Paint	No	B20 - Exterior Enclosure	Reliability	2- Due within 2 Years of Inspection	Oct 20, 2016	12,202
Exterior Ramp - Dock Area - Non-Compliant Rails	No	B1014 - Ramps	Building Code	4- Not Time Based		5,134
Fire Alarm System Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	2- Due within 2 Years of Inspection	Oct 20, 2016	282,193
Fire Separation - Missing	No	B20 - Exterior Enclosure	Life Safety	1- Due within 1 Year of Inspection	Oct 20, 2015	84,800
Fixed Casework - Institutional - High End Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	28,784
GWB Ceiling - G51V - Damaged	No	C3030 - Ceiling Finishes	Reliability	2- Due within 2 Years of Inspection	Oct 20, 2016	1,171
GWB Taped and Finished Renewal	Yes	C3030 - Ceiling Finishes	Lifecycle	3- Due within 5	Oct 20, 2019	115,670

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Years of Inspection		
HEPA Filter Room Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	19,554
Interior Stairs and Ramps - Heald Connector - Non-Compliant Rails	No	B1014 - Ramps	Building Code	4- Not Time Based		7,116
Investigate Cross Contamination Threat	No	D3040 - Distribution Systems	Life Safety	1- Due within 1 Year of Inspection	Oct 20, 2015	4,147
LAN System Renewal	Yes	D5039 - Local Area Networks	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	332,310
Lab Air Compressor Renewal	Yes	D2090 - Other Plumbing Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	52,316
Lab Vacuum Pump Renewal	Yes	D2090 - Other Plumbing Systems	Lifecycle	2- Due within 2 Years of Inspection	Oct 20, 2016	140,198
Laboratory Casework - College Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2019	2,474,745
Laboratory Sinks Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	383,884
Main Electrical Service - 4000A 208Y/120V Renewal	Yes	D5012 - Low Tension Service and Dist.	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	425,470
Metal Ceiling System Renewal	Yes	C3030 - Ceiling Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2019	9,650
Mopped Membrane with	Yes	B30 - Roofing	Lifecycle	1- Due	Oct 20,	47,486

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
Concrete Slab Renewal				within 1 Year of Inspection	2014	
Mopped Membrane with Pavers Renewal	Yes	B30 - Roofing	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	244,255
Natural Gas Supply for Bldg Renewal	Yes	D2090 - Other Plumbing Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2017	63,287
Overhead Rolling Doors - Electric Operation Renewal	Yes	B2030 - Exterior Doors	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	12,779
Paint 4 Ground Floor Classrooms,	No	C3010 - Wall Finishes	Reliability	2- Due within 2 Years of Inspection	Jun 14, 2018	24,833
Paint Masonry/Epoxy Finish - Economy Renewal	Yes	C3010 - Wall Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2020	61,875
Painted Finish - Average (1 Coat Prime - 2 Coats Finish) Renewal	Yes	C3010 - Wall Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2020	66,023
Painted Plaster Renewal	Yes	C3030 - Ceiling Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2019	11,533
Pedestrian Pavement - Concrete Renewal	Yes	G2031 - Paving and Surfacing	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	49,598
Perimeter Heat System - Hydronic Fin Tube Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	183,799
Perimeter Heat System - Hydronic Fin Tube Renewal	Yes	D3040 - Distribution	Lifecycle	1- Due within 1	Oct 20, 2014	203,079

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
		Systems		Year of Inspection		
REPAIR FLOORS, WALLS, AND DOORS IN BASEMENT VIVARIUM	No	C30 - Interior Finishes	Lifecycle	2- Due within 2 Years of Inspection	Sep 29, 2018	180,603
REPLACE CONTROL VALVES IN BASEMENT	No	D3060 - Controls and Instrumentation	Lifecycle	2- Due within 2 Years of Inspection	Jun 24, 2018	135,452
Restroom Accessories - Average Renewal	Yes	C1030 - Fittings	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	147,802
Restroom Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2025	424,457
Return Fans (with heat recovery). Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	96,286
Roof Drainage - Gravity Renewal	Yes	D2040 - Rain Water Drainage	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	302,465
Roof Hatch and Ladder Renewal	Yes	B3022 - Roof Hatches	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2017	6,728
Rubber Treads - Stairs Renewal	Yes	C3020 - Floor Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2019	12,615
Signage - Non-Compliant	No	C1035 - Identifying Devices	Accessibility	2- Due within 2 Years of Inspection	Oct 20, 2016	21,749
Steam Piping and Condensate Return Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of	Oct 20, 2025	323,233

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
Steel Ladders - Non-Compliant	No	B3022 - Roof Hatches	Building Code	4- Not Time Based		2,137
Sump Pump - Pedestal - 21 GPM Renewal	Yes	D20 - Plumbing	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	2,933
Telephone System Renewal	Yes	D5033 - Telephone Systems	Technological Improvements	3- Due within 5 Years of Inspection	Oct 20, 2020	512,091
Test Gas/Air and Vacuum Distribution Renewal	Yes	D2090 - Other Plumbing Systems	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2020	404,892
Toilet Partitions - Average Renewal	Yes	C1030 - Fittings	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2017	173,826
Unit Heaters - Steam Renewal	Yes	D3050 - Terminal and Package Units	Lifecycle	3- Due within 5 Years of Inspection	Oct 20, 2021	38,702
VCT - Average Renewal	Yes	C3020 - Floor Finishes	Interior Finishes	3- Due within 5 Years of Inspection	Oct 20, 2019	280,172
Water Coolers - Wall-Mounted Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2015	28,846
Water Dist Complete Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2015	450,863
Water Heater - Steam Semi-Instantaneous Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	138,026
Water Well - Average Renewal	Yes	D2023 - Domestic Water Supply	Lifecycle	1- Due within 1	Oct 20, 2014	6,366

Asset Detail Report

By Asset Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
		Equipment		Year of Inspection		
Wet Sprinkler System - Ordinary Hazard Renewal	Yes	D40 - Fire Protection	Lifecycle	1- Due within 1 Year of Inspection	Oct 20, 2014	588,034
Total						**16,904,253**

WSU Facility Development Plan

WSU Facilities Services | Geographic Information System

Pullman 2021-2023

Johnson Hall Demolition
$8,000,000 (Design and Construction)

ARS Plant Biosciences Building
$105,000,000 (Federal Funding)

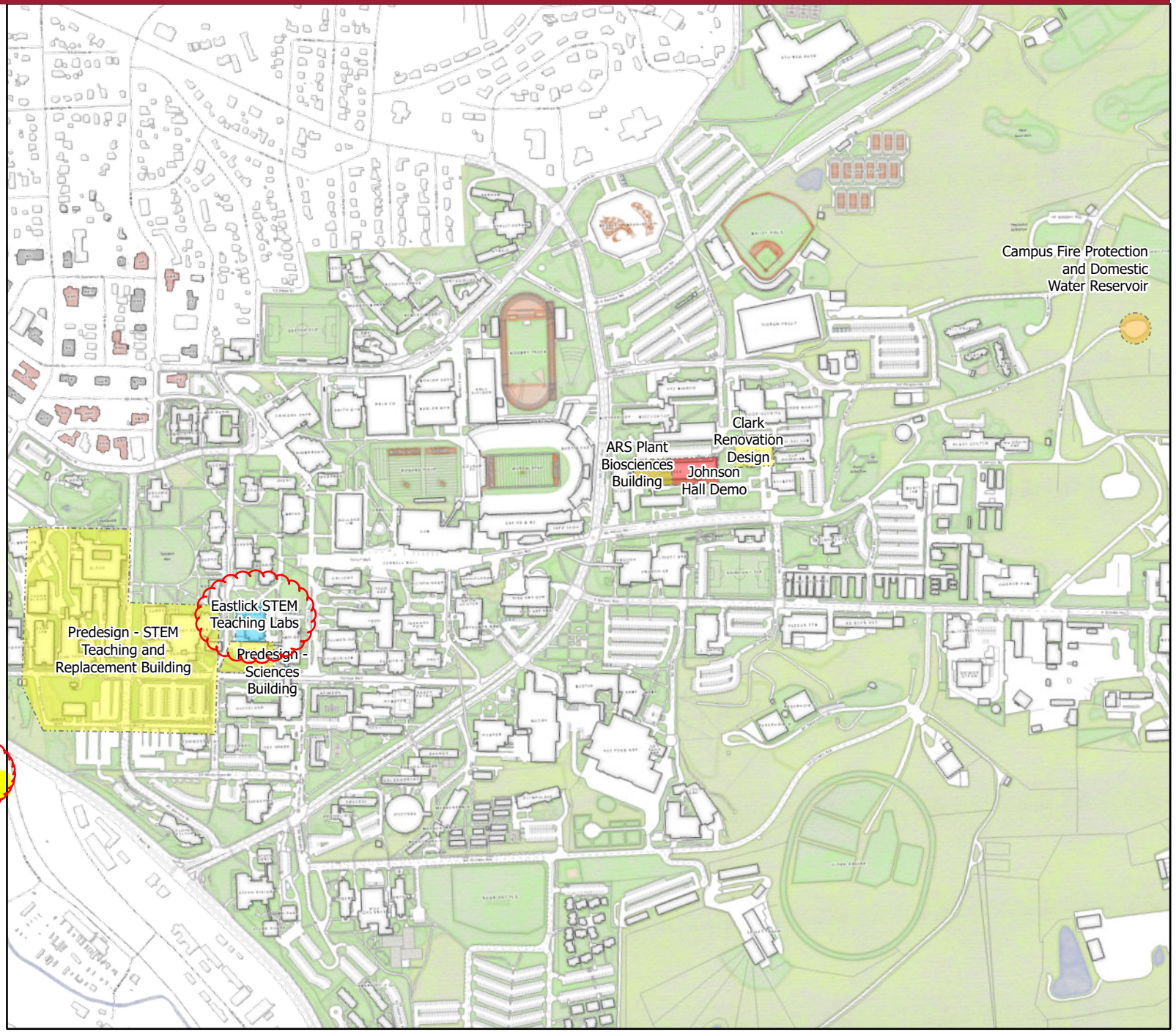
Campus Fire Protection and Domestic Water Reservoir
$8,000,000 (Design and Construction)

Pullman Sciences Building
$500,000 (Predesign)

STEM Teaching and Replacement Building – VCEA
$500,000 (Predesign)

STEM Teaching Labs
$4,900,000 (Design and Construction)

Clark Hall Research Lab Renovation
$4,900,000 (Design and Construction)



WSU Facility Development Plan

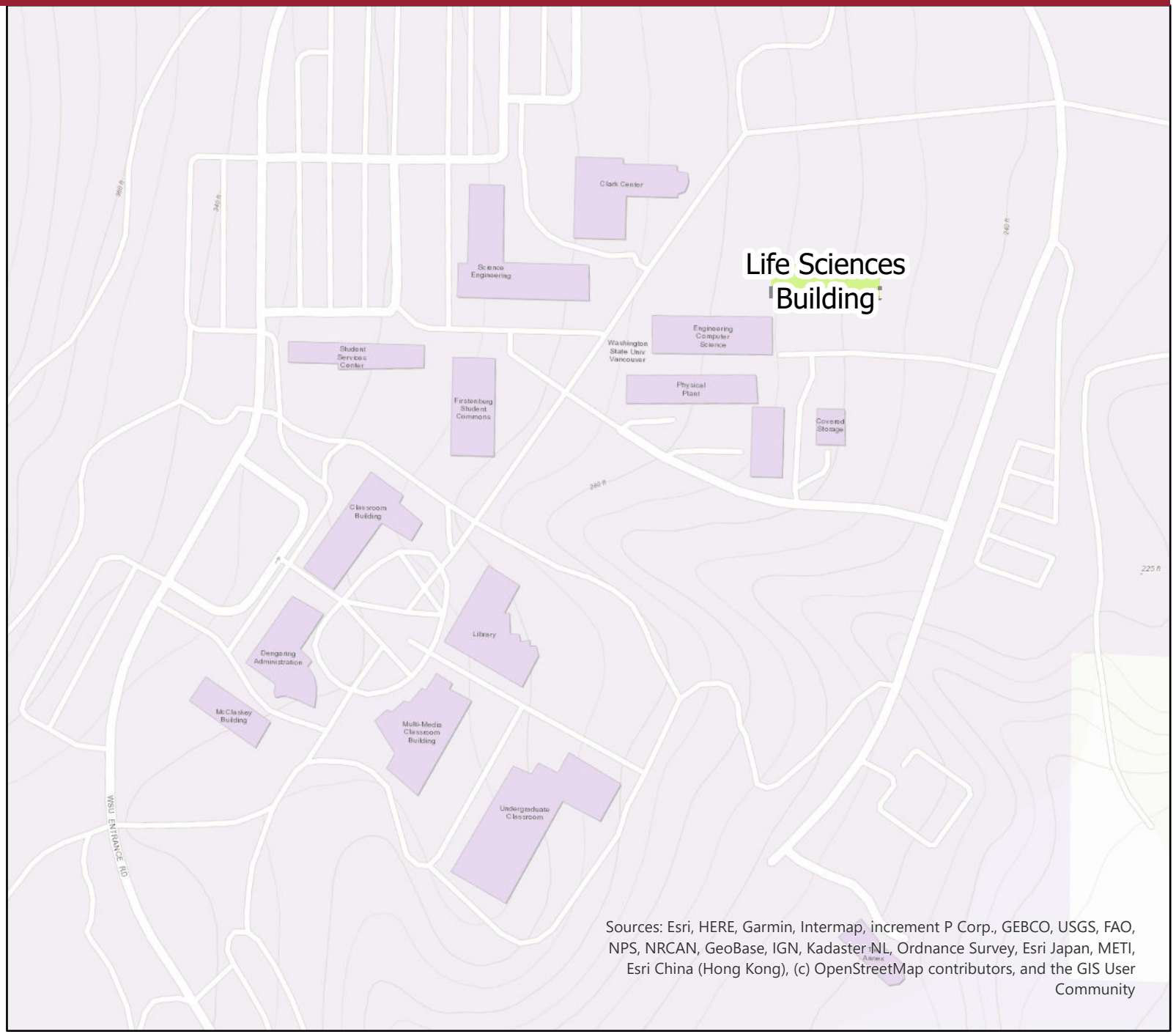
Spokane 2021-2023

Spokane Phase One Building Renovation
$15,000,000 (Design and Construction)

WSU Facility Development Plan

Vancouver 2021-2023

Vancouver Life Sciences Building
$52,600,000 (Construction)



WSU Facility Development Plan

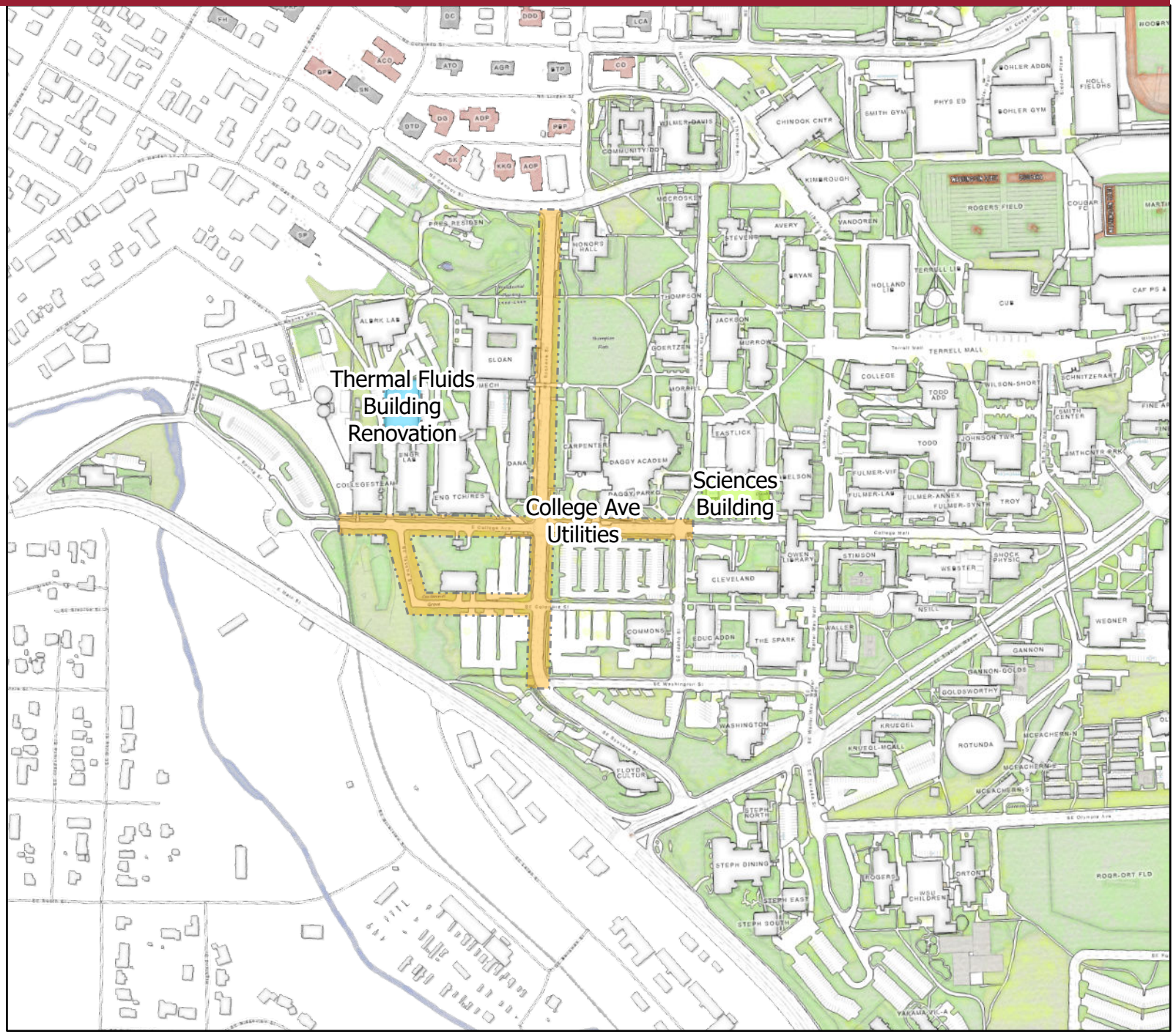
Pullman 2023-2025

Pullman Sciences Building
$53,000,000 (Design, Heald Hall Demolition and Construction)

College Avenue Utility Upgrades
$10,000,000 (Design and Construction)

Thermal Fluids Building Renovation
$10,000,000 (Design and Construction)

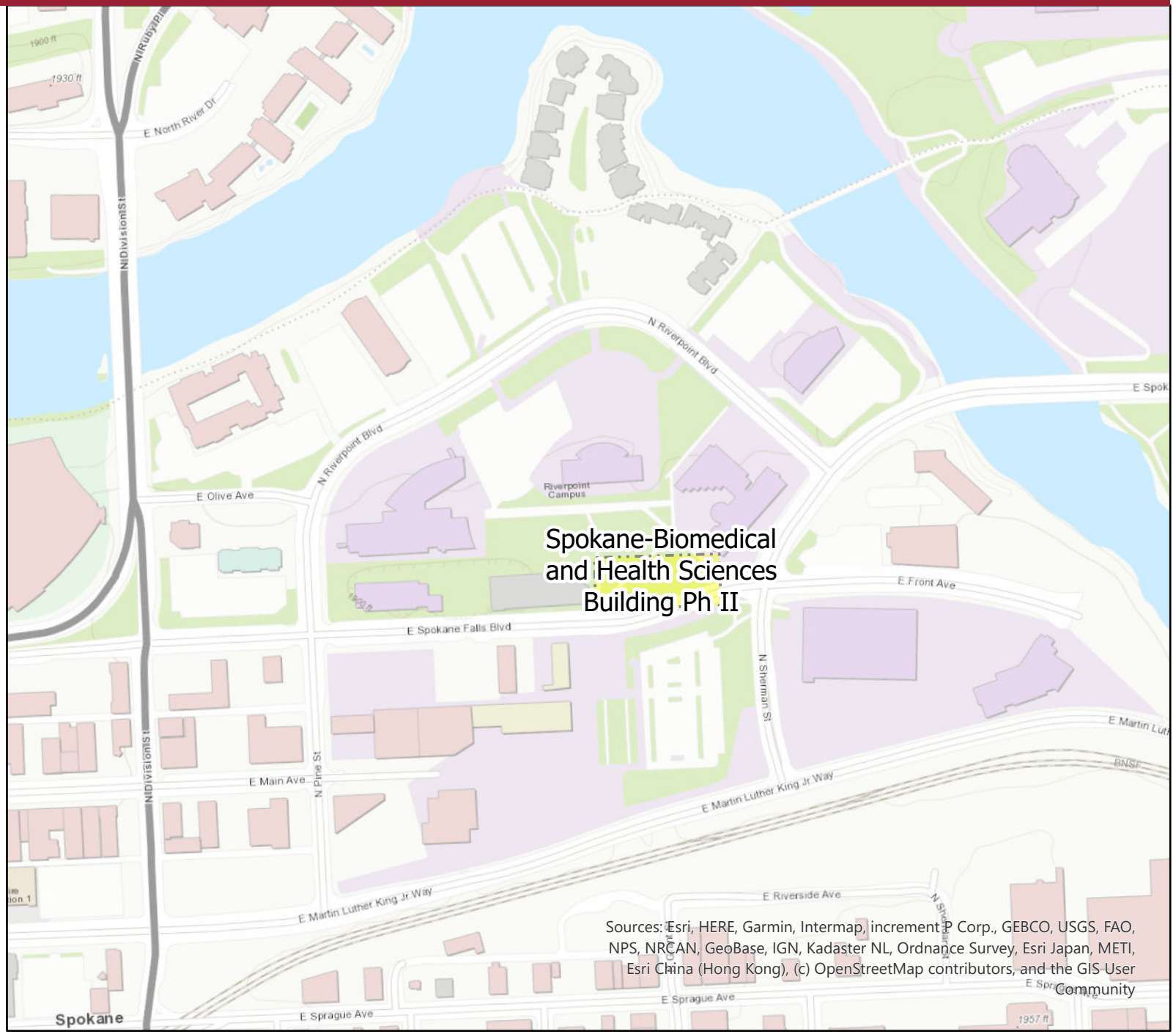
Building Systems (roofs, elevators, envelope, BAS, MEP)
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)



WSU Facility Development Plan

Spokane 2023-2025

Spokane-Biomedical and Health Sciences Building Ph II
$5,000,000 (Design)



WSU Facility Development Plan

Pullman 2025-2027

STEM Teaching and Replacement Building – VCEA
$8,000,000 (Design and Dana Hall Demolition)

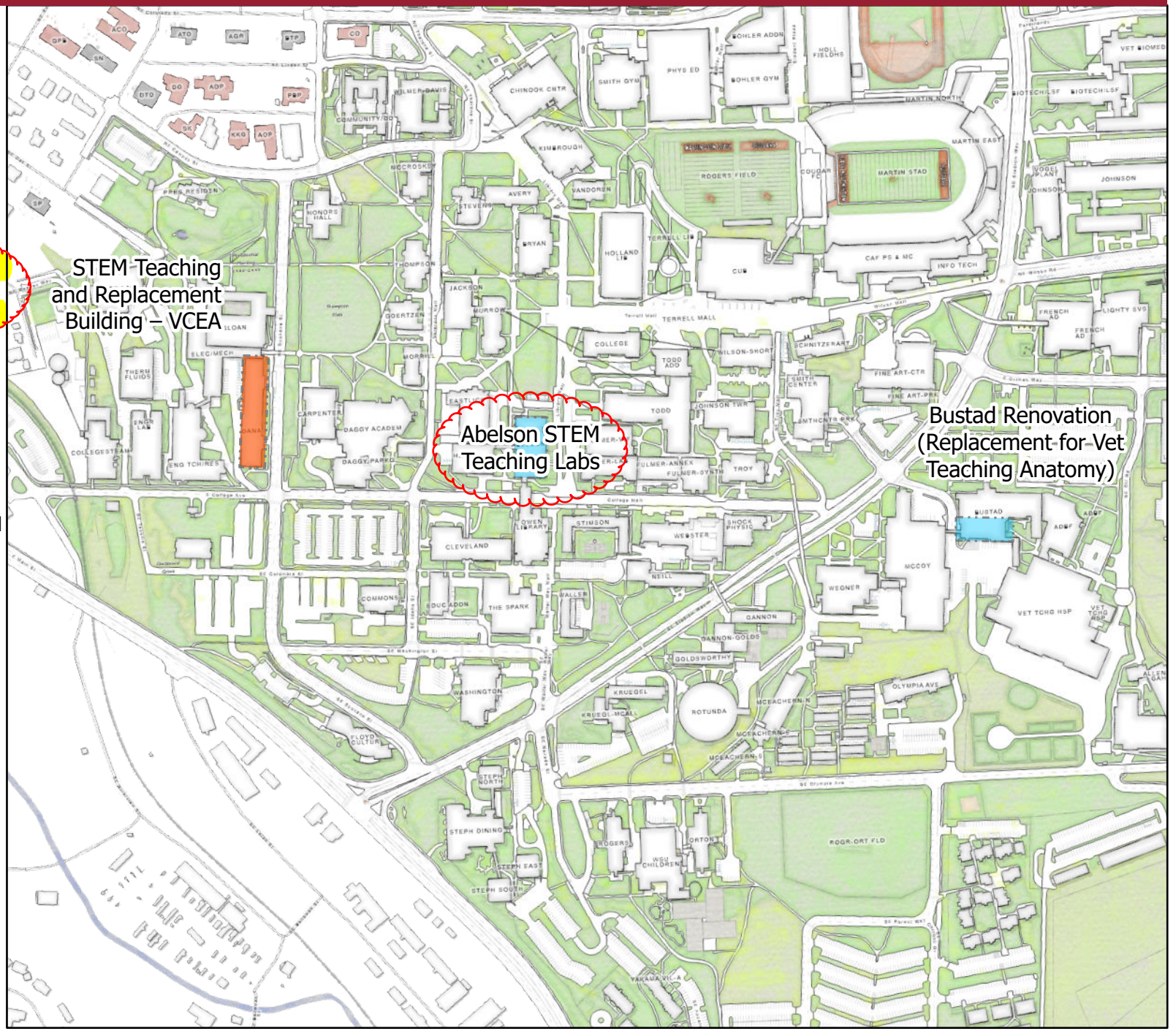
Washington State University Pullman - STEM Teaching Labs
$5,000,000 (Design and Construction)

Bustad Renovation (Replacement for Vet Teaching Anatomy)
$10,000,000 (Design and Construction)

Infrastructure (electrical, water, chilled water, steam, tunnels)
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)

Learning Renovations
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)

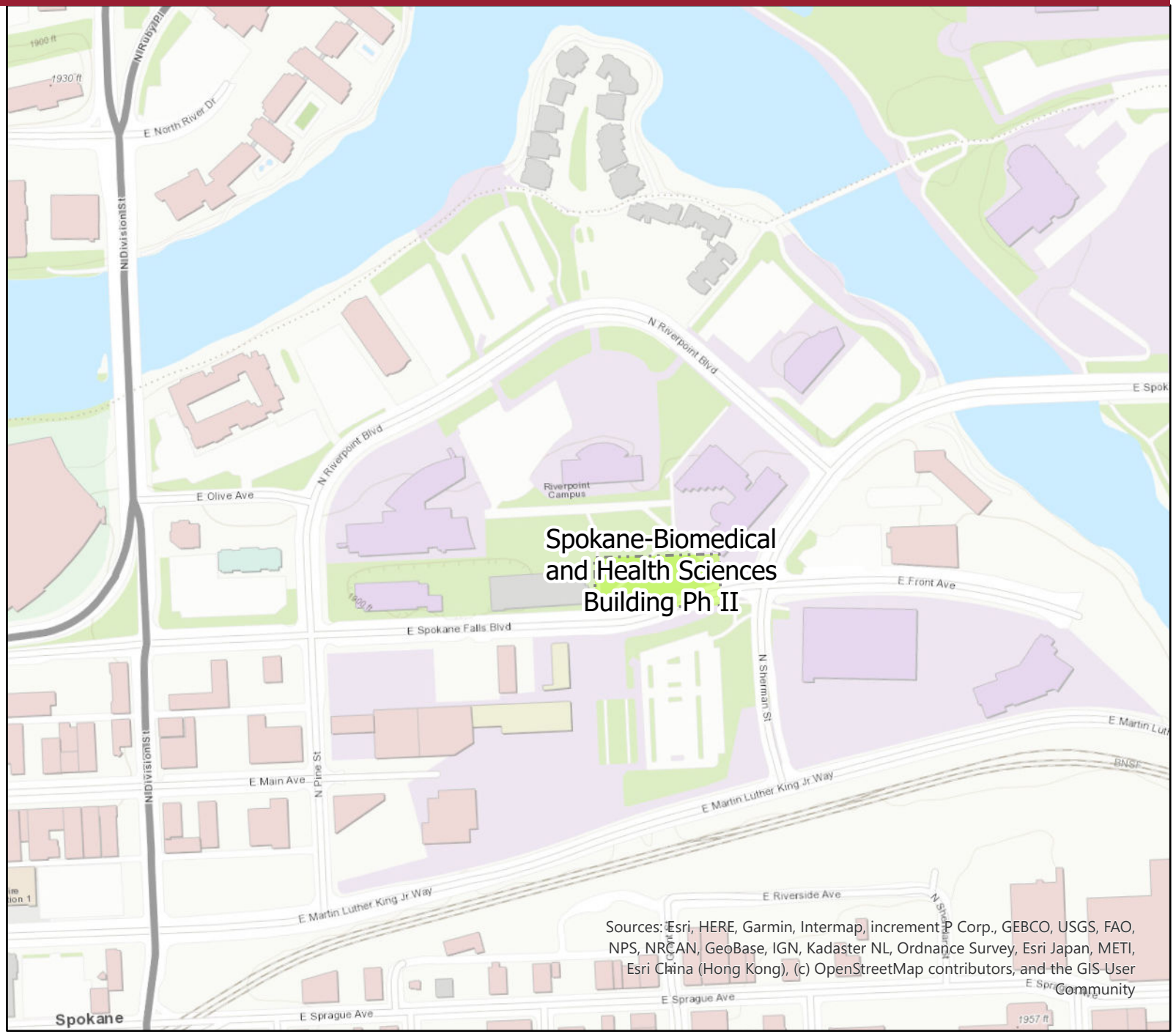
Information Technology Renovations
$5,000,000 (Design and Construction)
(Multiple locations - not shown on map)



WSU Facility Development Plan

Spokane 2025-2027

Spokane-Biomedical and Health Sciences Building Ph II
$35,000,000 (Construction Phase 1)



WSU Facility Development Plan

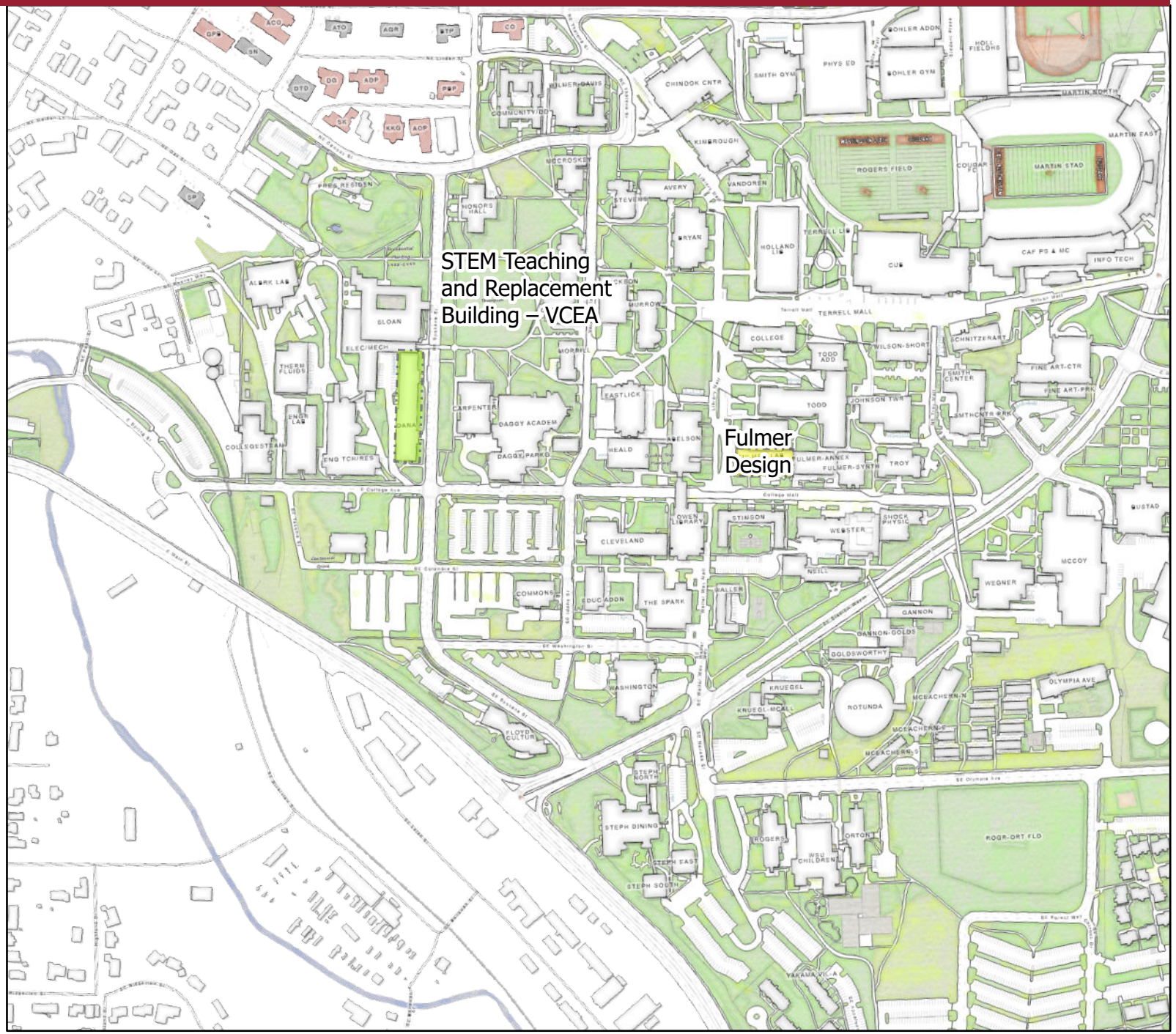
WSU Facilities Services | Geographic Information System

Pullman 2027-2029

STEM Teaching and Replacement Building – VCEA
$45,000,000 (Construction)

Fulmer Hall Renovation Phase 1
$3,000,000 (Design)

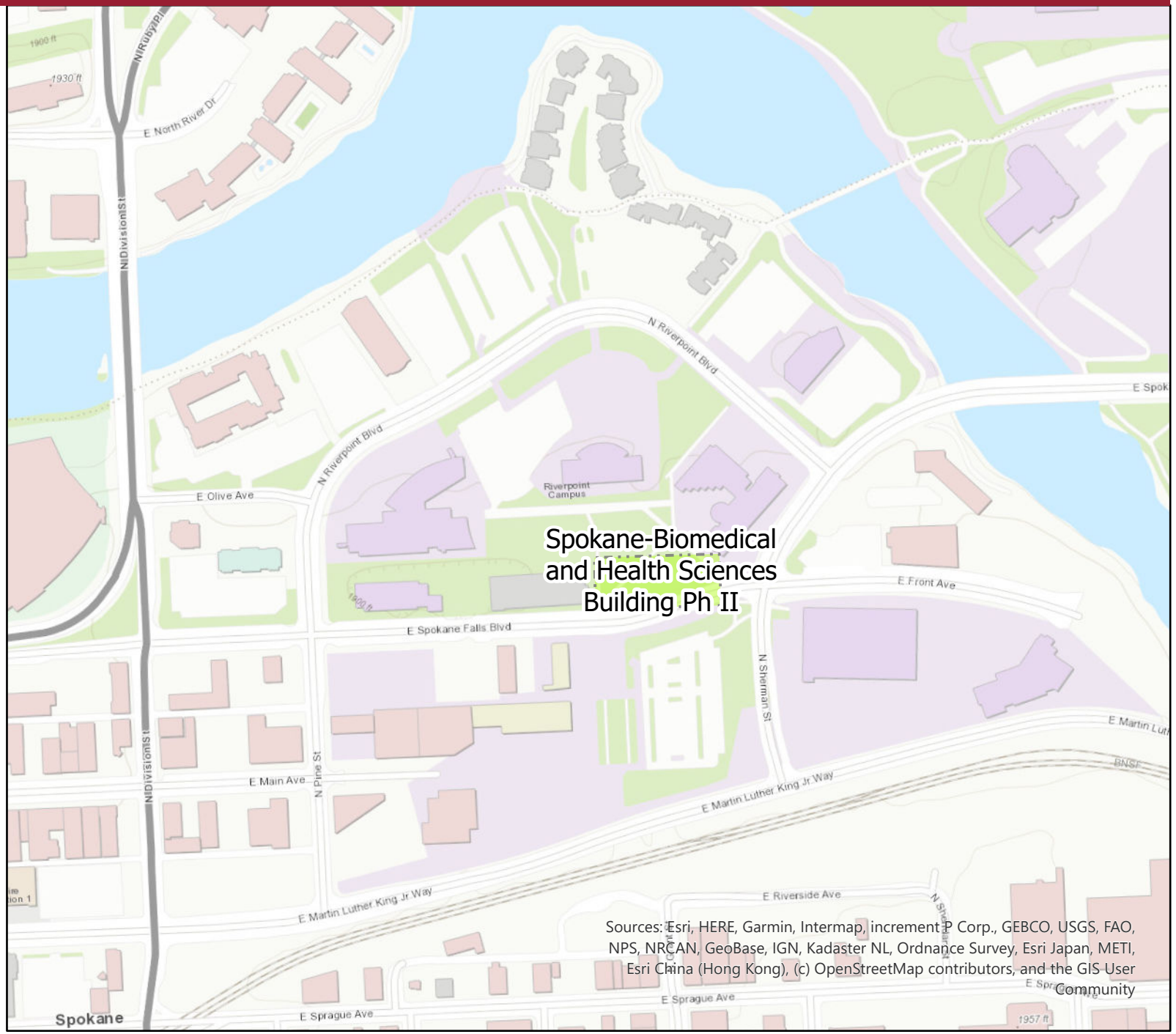
Research Renovations
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)



WSU Facility Development Plan

Spokane 2027-2029

Spokane-Biomedical and Health Sciences Building Ph II
$35,000,000 (Construction Phase 2)



WSU Facility Development Plan

WSU Facilities Services | Geographic Information System

Pullman 2029-2031

Fulmer Hall Renovation Phase 1
$35,000,000 (Construction)

Engineering Renovation/Replacement Ph 2 – VCEA
$8,000,000 (Design and Demolition of Daggy Hall)

McCoy Hall Demolition
$8,000,000 (Design and Demolition of McCoy Hall)

Murrow Hall Renovation
$3,000,000 (Design)

Building Systems (roofs, elevators, envelope, BAS, MEP)
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)

Infrastructure (electrical, water, chilled water, steam, tunnels)
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)

Learning Renovations
$10,000,000 (Design and Construction)
(Multiple locations - not shown on map)

Information Technology Renovations
$5,000,000 (Design and Construction)
(Multiple locations - not shown on map)