

**EXH. JPH-18C
DOCKETS UE-240004/UG-240005
2024 PSE GENERAL RATE CASE
WITNESS: JAMES P. HOGAN**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Docket UE-240004
Docket UG-240005**

**SEVENTEENTH EXHIBIT (CONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF**

JAMES P. HOGAN

ON BEHALF OF PUGET SOUND ENERGY

REDACTED VERSION

FEBRUARY 15, 2024

Construction with Integrity Since 1968
WA License #KNIGHCS2810N



GENERAL CONTRACTORS
BUILDING SUPPLIES
Phone (509) 276-2229
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2601 E 6th Street
DEER PARK, WA 99006

September 14, 2023

Puget Sound Energy
ATTN: Nathan McGowan
355 110th Avenue NE
Bellevue, WA 98004

via email: Nathan.McGowan@pse.com

Re: Puget Sound Energy – Upper Baker Dam Spillway Stabilization Cost Estimate Report, Cost Estimate, and Schedule

Dear Nate,

Knight Const. & Supply, Inc. (KCS) is pleased to provide the following Cost Estimate Report, Cost Estimate (attached), and Schedule (attached) for Upper Baker Dam Spillway Stabilization. This detailed budget price is based off the items listed below.

The attached project schedule titled "UPPER BAKER DAM SPILLWAY CONSULTING R1" has been updated to correct the 2025 work season to start in March and correct the award and NTP dates to align with Attachment 6 of the solicitation. The schedule highlights the challenges of completing the preconstruction effort for this project on time for the start of onsite work. Meeting schedule objectives for the approach described here will require a well-coordinated and focused effort from the contractor's team and Puget Sound Energy.

Assumptions

- The work requiring the floating plant can be completed during the first work window.
- Trade labor rates are based off June of 2023 WA state prevailing rates.
- Overhead is set at KCS's [REDACTED] based off 2019 through 2021.
- Profit is set using the FAR clause profit analysis weighted average listed on spreadsheet (profit)tab.
- The project is priced for a two (2) season work window.
- Schedule assumes a 2-hour morning and sunset restrictions.
- Anchors will be drilled from the top cap at final grade in the second work window.
- [REDACTED] Bond Rate is used in the calculation.
- \$151.25 a day for Per Diem. Per Diem Rate is established from October 2023 thru September 2024, GSA Rates.
- Pricing is based off a seventy (70) hour work week.
- Upper Baker Budget assumes eleven (11) month project duration.
- Pricing assumes two (2) mobilizations, one for each year of work.

Clarifications

- 4000 PSI concrete 5-7% air with high flyash, water reducing admixture, retarder.
- Mix design will need to be tested before the first placement. This mock up test is included.
- Pricing excludes Washington State Sales Tax.
- Two (2) mobilizations are factored into the budget.

Mr. McGowan
September 14, 2023
Page 2 of 2

- Twenty percent (20%) contingency is added to 7 since it is a Lump Sum (LS) when the actual concrete quantities are unknown. CLIN 7 Buttress would be better split into two items. One as "Buttress work other than concrete placement" with a Lump Sum quantity and one should be "Buttress concrete placement" with a cubic yard (CU. YD.) quantity.
- Longshoreman's Harbor Insurance is not included in this budget.

We appreciate the opportunity to provide this cost estimate report, cost estimate, and schedule. Please do not hesitate to contact me if you have any questions.

Sincerely,

KNIGHT CONST. & SUPPLY, INC.



David A. Knight,
Vice President

Simple Bid Schedule for cost loaded schedule					
Item #	Description	UNIT	Quantity	Unit Price	Total Cost
1	Mobilization	LS	1	\$	[REDACTED]
2	PSE Directed Standby Time	HR	1	\$	
3	PSE Directed Demobe for Emergency (Flood Events)	EA	1	\$	
4	Baker River Access Barge Boat Crane Material Handling	LS	1	\$	
5	Dredge and Process Rock fall Debris	LS	3600	\$	
6	High Scaling	LS	1	\$	
7	Buttress	LS	1	\$	
8	Drilling and Grouting Untensioned Rock Anchors	LS	1	\$	
9	Drilling Buttress Drain Holes	LS	1	\$	
10	Demolition, Site Restoration and Vegetation	LS	1	\$	
11	Demobe	LS	1	\$	
12	Project Closeout	LS	1	\$	
				Total \$	

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1	Knight Const. and Supply, Inc.							
2							G & A O/H Rate	
3	PSE Upper Baker Stabilization Budget						Profit Rate	
4						Hours / Week	Sales Tax Rate	N/A
5	001 Mobilization			Hourly Man Hour Burdened Rate		70		
6	Contract No. CW 2264270			Offsite Rates		50		
7	14-Sep-23			Offsite Rates		70		
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked		\$/hr		
10								
11	Description	Men	Hrs	Quantity	@			
12								
13	Knight Const. On site Labor			Man Hours				
14	Setup Jobsite x2	5.00	100 00	500	@			
15	Set up Terex & Manitowoc	5.00	120 00	600	@			
16	Full Time SSOH 10 Months x 30 days per month	1.00	3,000 00	3,000	@			
17	Install BMPs	4.00	100 00	400	@			
18	Maintain BMPs	2.00	300 00	600	@			
19	Rehab BMPs after storms	3.00	60 00	180	@			
20	Set Up Waste Water Storage, Pumps, ECT	4.00	100 00	400	@			
21	Maintain Water Treatment	2.00	300 00	600	@			
22								
23	Days on site (13 man crew)	14.62						
24								
25	Knight Const. Office and Shop Labor			Man Hours				
26	Load at KCS Shop	5.00	140 00	700	@			
27	Submittals	1.00	4 600 00	4 600	@			
28	delivery & pickup			0				
29	mobilize/load/unload at shop			0				
30								
31	Materials							
32	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.			6,280	@			
33	Consumables Computed by Shop Man Hour, grinding wheels gas PPE etc.			700	@			
34	Materials (see materials tab)			1	LS			
35	Site Safety Sign			1	@			
36	BMP materials budget			1	@			
37	Misc Safety Equipment			1	@			
38	Fuel 330 onsite Days x 200 Gal			66 000	@			
39	Equipment, Knight owned	In-Use Rate	Standby Rate			In-Use hrs	Standby hrs	
40	Mobe Misc Equip 13 Loads x 20 Hours			@		260	0	
41	Mobe Cranes 8 Loads x 20 Hours			@		160	0	
42	Mobe Barges 12 Loads x 20 Hours			@		240	0	
43	Mobe Barge Launch Temp Sea Wall			@		80	0	
44	Job Office x two					22	0	
45	Job Shack Tool Trailer			@		11	0	
46	4 Pickup Trucks			@		44	0	
47	3 Jobsite Carts			@		33	0	
48	Porta Toilets x 5			@		55	0	

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49	Gradall Reach Lift	\$2 600.00		@	11	0	
50	Road Grader	\$4 800.00		@	11	0	
51	Water Truck	\$6,300.00		@	11	0	
52	3 Yard Dumpster	\$450.00		@	11	0	
53							
54	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw, drill press, lathe, mill, hand tools, etc.			70 days	@		
55							
56	Rented Equipment						
57							
58							
59							
60	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)				0		
61	Subcontractor						
62	Heavy Haul Truck for mobilization of the Jaw Crusher				2		
63	Heavy Haul Truck for Mobilization of the 140 ton Crawler				2	@	
64	Crux Mobe x 2				2	@	
65	Crux Demobe x 2				2	@	
66							
67	Subtotal Knight Const work						
68							
69	Overhead on Knight Const Work					@	
70							
71	Subtotal						
72							
73	Profit					@	
74							
75	Subtotal						
76							
77							
78							
79	Per diem				628	@	
80							
81							
82	Subtotal						
83							
84	Add'l bond						
85							
86	TOTAL						
87	Accepted by:			Title:		Date:	
88							

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1	Knight Const. and Supply, Inc.						
2					G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate	
4				Hours / Week	Sales Tax Rate	N/A	
5	002 PSE Directed Standby Time During Construction		Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270		Offsite Rates	50			
7	14-Sep-23		Offsite Rates	70			
8	Crew/Materials/Equipment Costs		Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.		Misc. Consumables Rate worked	\$/hr			
10							
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price
12							
13	Knight Const. On site Labor			Man Hours			
14	Standby Labor	13.00	10.00	130	@		
15							
16							
17							
18							
19							
20	Days on site (13 man crew)	1.00					
21							
22	Knight Const. Office and Shop Labor			Man Hours			
23	Submittals			0			
24				0			
25	delivery & pickup			0			
26	mobilize/load/unload at shop			0			
27							
28	Materials						
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.			130	@		
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.			0			
31	Materials (see materials tab)			1	LS		
32	Freight						
33	Use Tax on Materials						
34	Fuel for one day			200			
35	Equipment, Knight owned						
36	Standby Rental for one day						
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw drill press lathe mill hand tools etc.						

48							
49	Rented Equipment						
50							
51							
52							
53	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
54	Subcontractor						
55							
56							
57							
58							
59							
60	Subtotal Knight Const work						
61							
62	Overhead on Knight Const Work						
63							
64	Subtotal						
65							
66	Profit						
67							
68	Subtotal						
69							
70							
71							
72	Per diem						
73							
74							
75	Subtotal						
76							
77	Add'l bond						
78							
79	TOTAL						
80	Accepted by:						
81							

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1	Knight Const. and Supply, Inc.							
2						G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate		
4					Hours / Week	Sales Tax Rate	N/A	
5	003 PSE Directed Demobe for Emergency (Flood Events)		Hourly Man Hour Burdened Rate		70			
6	Contract No. CW 2264270		Offsite Rates		50			
7	14-Sep-23		Offsite Rates		70			
8	Crew/Materials/Equipment Costs		Principals and Project Management Rates @ 50 hrs/week					
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.		Misc. Consumables Rate worked		\$/hr			
10								
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price	
12								
13	Knight Const. On site Labor							
14	Prep Jobsite for Rain Event							
15	Remobe after Rain Event							
16								
17								
18								
19								
20	Days on site (13 man crew)							
21								
22	Knight Const. Office and Shop Labor							
23								
24								
25	delivery & pickup							
26	mobilize/load/unload at shop							
27								
28	Materials							
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.							
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.							
31	Materials (see materials tab)							
32	Freight							
33	Use Tax on Materials							
34								
35	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs		
36	Standby Rental for 1 Day x 7 Days							
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw drill press lathe mill hand tools etc.							

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48							
49	Rented Equipment						
50							
51							
52							
53	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
54	Subcontractor						
55							
56							
57							
58							
59							
60	Subtotal Knight Const work						
61							
62	Overhead on Knight Const Work						
63							
64	Subtotal						
65							
66	Profit						
67							
68	Subtotal						
69							
70							
71							
72	Per diem						
73							
74							
75	Subtotal						
76							
77	Add'l bond						
78							
79	TOTAL						
80	Accepted by:						
81							



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1	Knight Const. and Supply, Inc.						
2					G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget				Profit Rate		
4				Hours / Week	Sales Tax Rate	N/A	
5	004 Baker River Access Barge Boat Crane Material Handling		Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270		Offsite Rates	50			
7	14-Sep-23		Offsite Rates	70			
8	Crew/Materials/Equipment Costs		Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.		Misc. Consumables Rate worked		\$/hr		
10							
11	Description	Men	Hrs	Quantity	@		
12							
13	Knight Const. On site Labor						
14	Clear & Grub for Barge Landing						
15	Install River Access						
16	Restore River Access						
17							
18							
19							
20	Days on site (13 man crew)	13.54					
21							
22	Knight Const. Office and Shop Labor			Man Hours			
23							
24				0			
25	delivery & pickup			0			
26	mobilize/load/unload at shop			0			
27							
28	Materials						
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.			1,760	@		
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.			0			
31	Materials (see materials tab)			1	LS		
32	Freight						
33	Temp Sea Wall materials staging area prep			1	LS		
34	Use Tax on Materials						
35							
36	Equipment, Knight owned	In-Use Rate	Standby Rate	In-Use hrs	Standby hrs		
37	Chipper one week						
38							
39							
40		\$0.00		0	0		
41		\$0.00		0	0		
42		\$0.00		0	0		
43		\$0.00		0	0		
44		\$0.00		0	0		
45		\$0.00		0	0		
46							
47							

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48	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw, drill press, lathe, mill, hand tools, etc.								
49									
50	Rented Equipment								
51	Excavator								
52	Front End Loader								
53	Single Drum Roller								
54	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)								
55	Subcontractor								
56	Surveyor for As-Builts (Budget Estimate)								
57									
58									
59									
60									
61	Subtotal Knight Const work								
62									
63	Overhead on Knight Const Work								
64									
65	Subtotal								
66									
67	Profit								
68									
69	Subtotal								
70									
71									
72									
73	Per diem								
74									
75									
76	Subtotal								
77									
78	Add'l bond								
79									
80	TOTAL								
81	Accepted by:					Title:		Date:	
82									

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1	Knight Const. and Supply, Inc.							
2						G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate		
4					Hours / Week	Sales Tax Rate	N/A	
5	005 Dredge and Process Rock Fall Debris			Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270			Offsite Rates	50			
7	14-Sep-23			Offsite Rates	70			
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked	\$/hr			
10								
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price	
12								
13	Knight Const. On site Labor							
14	Set mooring anchors in canyon walls							
15	Set up and Take Down Barges							
16	Dredge Channel							
17	Crush Rock							
18	Dredging Contingency 20%							
19								
20								
21	Days on site (13 man crew)	44.31						
22								
23	Knight Const. Office and Shop Labor			Man Hours				
24								
25	Misc Fab for Dredging Platform	3.00	50.00	150	@			
26	delivery & pickup			0				
27	mobilize/load/unload at shop			0				
28								
29	Materials							
30	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.			5,760	@			
31	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.			150	@			
32	Armoring steel bumpers			1	LS			
33	Dredge Mooring anchors			10	LS			
34	Freight							
35	Use Tax on Materials							
36	Fuel 30 days x 200 Gal a day			6,000	@			
37	Contingency Fuel			1,200	@			
38								
39								
40	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs			
41	Manitowoc 140-ton Crawler Crane							
42	Terex 80-ton Crawler Crane							
43	3 Excavators							
44	Compressor							
45	Barge Floats							
46	Spud set							
47	Winches x 4							
48	Rock Crusher							

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49	Rock Truck						
50	Front End Loader						
51	Welder 400 amp						
52	Generator						
53	Hoe Ram for Excavator						
54	work boats						
55	shop equipment package/man/day: welder(s), grinders, forklift, crane, compressor, iron worker, bandsaw, drill press, lathe, mill, hand tools, etc.						
56							
57	Rented Equipment						
58							
59							
60							
61	Equipment (N/A for OR)						
62	Subcontractor						
63	AUS to perform the Channel Survey Pre/Post						
64	Marine Engineering						
65							
66							
67							
68	Subtotal Knight Const work						
69							
70	Overhead on Knight Const Work						
71							
72	Subtotal						
73							
74	Profit						
75							
76	Subtotal						
77							
78							
79							
80	Per diem						
81							
82							
83	Subtotal						
84							
85	Add'l bond						
86							
87	TOTAL						
88	Accepted by:			Title:		Date:	
89							

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1	Knight Const. and Supply, Inc.						
2					G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate	
4				Hours / Week	Sales Tax Rate N/A		
5	006 High Scaling			Hourly Man Hour Burdened Rate	70		
6	Contract No. CW 2264270			Offsite Rates	50		
7	14-Sep-23			Offsite Rates	70		
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week			
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked	\$/hr		
10							
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price
12							
13	Knight Const. On site Labor			Man Hours			
14							
15							
16							
17							
18							
19							
20	Days on site (13 man crew)	0.00					
21							
22	Knight Const. Office and Shop Labor			Man Hours			
23							
24				0			
25	delivery & pickup			0			
26	mobilize/load/unload at shop			0			
27							
28	Materials						
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.			0			
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.			0			
31	Materials (see materials tab)			1			
32	Freight						
33	Use Tax on Materials						
34							
35	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs	
36						0	
37						0	
38							
39							
40							
41							
42							
43							
44							
45							
46							
47	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw, drill press, lathe, mill, hand tools, etc.						

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48							
49	Rented Equipment						
50							
51							
52							
53	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)			0			
54	Subcontractor						
55	Rock Supremacy to safety scale channel slopes			1			
56							
57							
58							
59							
60	Subtotal Knight Const work						
61							
62	Overhead on Knight Const Work						
63							
64	Subtotal						
65							
66	Profit						
67							
68	Subtotal						
69							
70							
71							
72	Per diem						
73							
74							
75	Subtotal						
76							
77	Add'l bond						
78							
79	TOTAL						
80	Accepted by:						
81							

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1	Knight Const. and Supply, Inc.						
2					G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget				Profit Rate		
4				Hours / Week	Sales Tax Rate	N/A	
5	007 Buttress		Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270		Offsite Rates	50			
7	14-Sep-23		Offsite Rates	70			
8	Crew/Materials/Equipment Costs		Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.		Misc. Consumables Rate worked	\$/hr			
10							
11	Description						
12							
13	Knight Const. On site Labor						
14	Install Cofferdam						
15	Remove Cofferdam						
16	Remove Debris from Buttress area						
17	Clean Walls & Floor						
18	Perform Dental Grouting						
19	Place Concrete						
20	Strip & Cleanup						
21	Concrete Labor Contingency 20%						
22	Install Drainage System						
23	Install Pipe for Drainage System						
24	Form Vault						
25	Move Downstream Forms						
26							
27							
28	Days on site (13 man crew)						
29							
30	Knight Const. Office and Shop Labor						
31	Fab Cofferdam at KCS Shop						
32							
33	delivery & pickup						
34	mobilize/load/unload at shop						
35							
36	Materials						
37	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.						
38	Consumables Computed by Shop Man Hour, grinding wheels gas PPE etc.						
39	Materials (see materials tab)						
40	Freight						
41	Use Tax on Materials						
42	Cofferdam Steel Estimated at 100,000 lbs						
43	Misc Grout & Cofferdam Sealing Material						
44	Anchors & Epoxy						
45	Concrete for Buttress						
46	Concrete Contingency 20 percent			20%			
47	Rebar & Welded Wire Mesh						
48	Epoxy						
49	Pipe for Drains						
50	Anchors						
51	Miradrain 6000						
52	Davit Arm						
53	Form Material Estimate for 15/16 Vault						

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54	Handrail								
55	Downstream Platform and Grate								
56	HDPE Pipe Bell and Spigot								
57									
58									
59	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs			
60	Manitowoc 140-ton Crawler Crane								
61	Terex 80-ton Crawler Crane								
62	Dewatering Pumps and Misc Hoses								
63	Gas Powered Concrete Vibrators								
64	Manlift								
65									
66									
67									
68									
69									
70									
71	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw, drill press, lathe, mill, hand tools, etc.								
72									
73	Rented Equipment								
74									
75									
76									
77	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)								
78	Subcontractor								
79	Cofferdam Engineering (Estimate)								
80	AUS x 4 Mob/Demobe								
81	AUS x 25 Days to Set Cofferdam								
82	Concrete Pump								
83	Concrete Pump x 18 Placements								
84	Concrete Pump Yardage Fee								
85	licensed surveyor to monitor training wall (est. daily rate)								
86	3rd Party Concrete testing (est. daily rate)								
87									
88									
89	Subtotal Knight Const work								
90									
91	Overhead on Knight Const Work								
92									
93	Subtotal								
94									
95	Profit								
96									
97	Subtotal								
98									
99									
100									
101	Per diem								
102									

**Shaded information is designated as
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103							
104	Subtotal						
105							
106	Add'l bond			1.50%			
107							
108	TOTAL						
109	Accepted by:			Title:		Date:	
110							

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1	Knight Const. and Supply, Inc.							
2						G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate		
4					Hours / Week	Sales Tax Rate	N/A	
5	008 Drilling and Grouting Untension Rock Anchors		Hourly Man Hour Burdened Rate		70			
6	Contract No. CW 2264270		Offsite Rates		50			
7	14-Sep-23		Offsite Rates		70			
8	Crew/Materials/Equipment Costs		Principals and Project Management Rates @ 50 hrs/week					
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.		Misc. Consumables Rate worked		\$/hr			
10								
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price	
12								
13	Knight Const. On site Labor							
14	Superintendent							
15								
16								
17								
18								
19								
20	Days on site (13 man crew)	2.31						
21								
22	Knight Const. Office and Shop Labor							
23								
24								
25	delivery & pickup							
26	mobilize/load/unload at shop							
27								
28	Materials							
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.							
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.							
31	Materials (see materials tab)							
32	Freight							
33	Use Tax on Materials							
34								
35	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs		
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw, drill press, lathe, mill, hand tools, etc.							

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48							
49	Rented Equipment						
50							
51							
52							
53	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
54	Subcontractor						
55	Crux						
56							
57							
58							
59							
60	Subtotal Knight Const work						
61							
62	Overhead on Knight Const Work						
63							
64	Subtotal						
65							
66	Profit						
67							
68	Subtotal						
69							
70							
71							
72	Per diem						
73							
74							
75	Subtotal						
76							
77	Add'l bond						
78							
79	TOTAL						
80	Accepted by:						
81							



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1	Knight Const. and Supply, Inc.							
2						G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate		
4					Hours / Week	Sales Tax Rate	N/A	
5	009 Drilling Buttress Drain Holes			Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270			Offsite Rates	50			
7	14-Sep-23			Offsite Rates	70			
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked	\$/hr			
10								
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price	
12								
13	Knight Const. On site Labor							
14	Install Temp Platforms							
15	Remove Temp Platforms							
16								
17								
18								
19								
20	Days on site (13 man crew)							
21								
22	Knight Const. Office and Shop Labor							
23	Draft Temp Platforms							
24	Fab Temp Platforms							
25	delivery & pickup							
26	mobilize/load/unload at shop							
27								
28	Materials							
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.							
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.							
31	Materials (see materials tab)							
32	Freight							
33	Use Tax on Materials							
34	Steel Budget for Temp Platforms							
35	Anchors for Temp Platforms							
36	Epoxy for Temp Platforms							
37								
38	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs		
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								

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Redacted Version**

49							
50	shop equipment package/man day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw drill press lathe mill hand tools etc.						
51							
52	Rented Equipment						
53							
54							
55							
56	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
57	Subcontractor						
58	Crux						
59	Engineering for Temp Platforms						
60	Helicopter 10 days to Set Platforms/Remove						
61							
62							
63	Subtotal Knight Const work						
64							
65	Overhead on Knight Const Work						
66							
67	Subtotal						
68							
69	Profit						
70							
71	Subtotal						
72							
73							
74							
75	Per diem						
76							
77							
78	Subtotal						
79							
80	Add'l bond						
81							
82	TOTAL						
83	Accepted by:						
84							

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1	Knight Const. and Supply, Inc.							
2						G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate		
4					Hours / Week	Sales Tax Rate	N/A	
5	0010 Demolition, Site Restoration and Vegetation			Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270			Offsite Rates	50			
7	14-Sep-23			Offsite Rates	70			
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked	\$/hr			
10								
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price	
12								
13	Knight Const. On site Labor							
14	Place Bark							
15	Plant Trees							
16	Prep & Seed 5 acres							
17	Hydro Seed							
18	Demo Old Stairway							
19								
20	Days on site (13 man crew)							
21								
22	Knight Const. Office and Shop Labor			Man Hours				
23								
24								
25	delivery & pickup							
26	mobilize/load/unload at shop							
27								
28	Materials							
29	Consumables Computed by Onsite Man Hour, PPE Grinding wheels tape etc.							
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.							
31	Materials (see materials tab)							
32	Freight							
33	Use Tax on Materials							
34	One Gallon Tree							
35	Two Gallon Tree							
36	Seed Mix							
37	Mulch 120 bags							
38								
39								
40	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs		
41	Dump Truck							
42	Bark Blower							
43	Hydro Seeder							
44								
45								
46								
47								
48								

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49							
50							
51							
52	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw drill press lathe mill hand tools etc.						
53							
54	Rented Equipment						
55							
56							
57							
58	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
59	Subcontractor						
60	water trees, may - october						
61							
62							
63							
64							
65	Subtotal Knight Const work						
66							
67	Overhead on Knight Const Work						
68							
69	Subtotal						
70							
71	Profit						
72							
73	Subtotal						
74							
75							
76							
77	Per diem						
78							
79							
80	Subtotal						
81							
82	Add'l bond						
83							
84	TOTAL						
85	Accepted by:						
86							

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Redacted Version**

1	Knight Const. and Supply, Inc.							
2						G & A O/H Rate		
3	PSE Upper Baker Stabilization Budget					Profit Rate		
4					Hours / Week	Sales Tax Rate	N/A	
5	0011 Demobe			Hourly Man Hour Burdened Rate	70			
6	Contract No. CW 2264270			Offsite Rates	50			
7	14-Sep-23			Offsite Rates	70			
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week				
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked	\$/hr			
10								
11	Description	Men	Hrs	Quantity	@	Unit Price	Total Price	
12								
13	Knight Const. On site Labor							
14	Take Down Jobsite							
15								
16								
17								
18								
19								
20	Days on site (13 man crew)	3.85						
21								
22	Knight Const. Office and Shop Labor							
23								
24								
25	delivery & pickup							
26	mobilize/load/unload at shop							
27								
28	Materials							
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.							
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.							
31	Materials (see materials tab)							
32	Freight							
33	Use Tax on Materials							
34								
35	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs		
36	Demobe Misc Equip 13 Loads x 20 Hours							
37	Demobe Cranes 8 Loads x 20 Hours							
38	Demobe Barges 12 Loads x 20 Hours							
39	Mobe Barge Launch Temp Sea Wall							
40								
41								
42								
43								
44								
45								
46								
47								

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48	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw drill press lathe mill hand tools etc.						
49							
50	Rented Equipment						
51							
52							
53							
54	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
55	Subcontractor						
56							
57							
58							
59							
60							
61	Subtotal Knight Const work						
62							
63	Overhead on Knight Const Work						
64							
65	Subtotal						
66							
67	Profit						
68							
69	Subtotal						
70							
71							
72							
73	Per diem						
74							
75							
76	Subtotal						
77							
78	Add'l bond						
79							
80	TOTAL						
81	Accepted by:			Title:		Date:	
82							

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Redacted Version**

1	Knight Const. and Supply, Inc.						
2						G & A O/H Rate	
3	PSE Upper Baker Stabilization Budget					Profit Rate	
4				Hours / Week		Sales Tax Rate N/A	
5	0012 Project Closeout			Hourly Man Hour Burdened Rate	70		
6	Contract No. CW 2264270			Offsite Rates	50		
7	14-Sep-23			Offsite Rates	70		
8	Crew/Materials/Equipment Costs			Principals and Project Management Rates @ 50 hrs/week			
9	The G&A and overhead calculation based on a 3 year average for 2019-2021. Updated annually on July 1st.			Misc. Consumables Rate worked	\$/hr		
10							
11	Description	Men	Hrs	Quantity	@	Unit Price	
12						Total Price	
13	Knight Const. On site Labor			Man Hours			
14							
15							
16							
17							
18							
19							
20	Days on site (13 man crew)	0.00					
21							
22	Knight Const. Office and Shop Labor			Man Hours			
23							
24	Submittals						
25	delivery & pickup						
26	mobilize/load/unload at shop						
27							
28	Materials						
29	Consumables Computed by Onsite Man Hour, PPE, Grinding wheels, tape, etc.						
30	Consumables Computed by Shop Man Hour, grinding wheels, gas, PPE, etc.						
31	Materials (see materials tab)						
32	Freight						
33	Use Tax on Materials						
34							
35	Equipment, Knight owned	In-Use Rate	Standby Rate		In-Use hrs	Standby hrs	
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47	shop equipment package/man/day: welder(s) grinders, forklift, crane, compressor, iron worker, bandsaw drill press lathe mill hand tools etc.						

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48							
49	Rented Equipment						
50							
51							
52							
53	Sales Tax Incorporated Materials & Rented Equipment (N/A for OR)						
54	Subcontractor						
55							
56							
57							
58							
59							
60	Subtotal Knight Const work						
61							
62	Overhead on Knight Const Work						
63							
64	Subtotal						
65							
66	Profit						
67							
68	Subtotal						
69							
70							
71							
72	Per diem						
73							
74							
75	Subtotal						
76							
77	Add'l bond						
78							
79	TOTAL						
80	Accepted by:				Title:	Date:	
81							

Construction with Integrity Since 1968
WA License #KNIGHCS2810N



GENERAL CONTRACTORS
BUILDING SUPPLIES
Phone 1-509-276-2229
Fax 1-509-276-6055
2601 E. 6TH STREET
DEER PARK, WA 99006

September 26, 2023

Nathan McGowan
Project Manager
Puget Sound Energy
355 – 110th Avenue NE
Bellevue, WA 98004

email: Nathan.McGown@pse.com

Re: UBK Spillway Stabilization Cost Estimate Development

Dear Nathan,

Knight Const. & Supply, Inc. (KCS) has compiled the Cost Estimate Development for the UBK Spillway Stabilization project. The elements of this development are organized by General and by CLIN:

General:

- Federal Wage Determination
- State of Washington Prevailing Wage – Whatcom County
- Per Diem Rates FY2024 for Concrete WA – Lodging
- Per Diem Rates FY2024 for Concrete WA – Meals
- Navigable Waters of the United States – Washington State

CLIN 5:

- Upper Baker Budget – [REDACTED]

CLIN 6:

- Upper Baker Budget – [REDACTED]

CLIN 7:

- Upper Baker Budget – [REDACTED]

CLIN 8 & 9:

- Upper Baker Budget – [REDACTED]

If any of this documentation is unclear, please do not hesitate to contact me if you have any questions.

Sincerely,
KNIGHT CONST. & SUPPLY, INC.


David A. Knight
Vice President

"General Decision Number: WA20230078 01/06/2023

Superseded General Decision Number: WA20220078

State: Washington

Construction Type: Heavy
including water and sewer line construction

County: Whatcom County in Washington.

HEAVY CONSTRUCTION PROJECTS (including sewer/water construction).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

Zone Pay:
 0 -25 radius miles Free
 26-45 radius miles \$.70/hour
 Over 45 radius miles \$1.50/hour

 ELEC0191-001 06/01/2020

	Rates	Fringes
ELECTRICIAN.....	\$ 47.95	26.16

 ENGI0302-031 06/01/2022

	Rates	Fringes
Power equipment operators:		
Group 1A.....	\$ 54.20	24.47
Group 1AA.....	\$ 54.98	24.47
Group 1.....	\$ 53.40	24.47
Group 2.....	\$ 52.72	24.47
Group 3.....	\$ 52.12	24.47
Group 4.....	\$ 48.78	24.47

Zone Differential (Add to Zone 1 rates):
 Zone 2 (26-45 radius miles) - \$1.00
 Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent,
 Mount Vernon, Port Angeles, Port Townsend, Seattle,
 Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AA - Excavator/Trackhoe: Over 90 metric tons

GROUP 1A - Excavator/Trackhoe: over 50 metric tons to 90
 metric tons; Backhoe-6 yards and over with attachments

GROUP 1 - Excavator/Trackhoe: over 30 metric tons to 50
 metric tons; Dozer D-10; Screedman; Scrapers: 45 yards and
 over; Grader/Blade;Paver

GROUP 2 - Drilling machine; Excavator/Trackhoe: 15 to 30
 metric tons; Horizontal/directional drill operator;
 Scraper: under 45 tons; Piledriver; Boring Machine;
 Backhoe: 3 yards and under, over 75 hp

GROUP 3 - Dozers-D-9 and under; Motor patrol

grader-nonfinishing; Roller-Plant Mix; Excavator/Trackhoe:
under 15 metric tons; Service Oiler; Forklift: 3,000 lbs
and over with attachments; Boom Truck over 10 tons;
Backhoe: 75 hp and under

GROUP 4 - Roller-other than plant mix; Forklift: under 3,000
lbs with attachments Grade Checker; Drill Assistant; Boom
Truck 10 tons and under

IRON0086-010 07/04/2022

	Rates	Fringes
IRONWORKER (Reinforcing, Structural and Ornamental).....	\$ 49.90	31.82

LAB00292-006 06/01/2022

	Rates	Fringes
Laborers:		
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - \$1.00
ZONE 3 - \$1.30

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall
ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall
ZONE 3 - More than 45 radius miles from the respective city
hall

LABORERS CLASSIFICATIONS

GROUP 2: Flagger

GROUP 3: General or Common Laborer; Form-Stripping

GROUP 4: Pipelayer; Handheld Drill

GROUP 5: Mason Tender-Brick; Mason Tender-Cement/Concrete;
Grade Checker; High Scaler

PAIN0005-008 07/01/2022

	Rates	Fringes
PAINTER (Brush, Roller and Spray).....	\$ 28.41	14.50

TEAM0174-005 06/01/2019

	Rates	Fringes
Truck drivers: ZONE A: GROUP 2:.....	\$ 39.54	20.46

ZONE B (25-45 miles from center of listed cities*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities*): Add \$1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 2 - Semi-Trailer Truck

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

SUWA2009-069 08/07/2009

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...\$	24.50	6.30
LABORER: Landscape & Irrigation.....\$	12.27 **	2.73
OPERATOR: Asphalt Plant.....\$	34.14	0.68
OPERATOR: Bobcat/Skid Steer/Skid Loader.....\$	10.63 **	0.00
OPERATOR: Broom/Sweeper.....\$	27.03	4.67
OPERATOR: Crane.....\$	28.43	7.40
OPERATOR: Loader.....\$	26.84	7.60
OPERATOR: Mechanic.....\$	29.74	6.31
OPERATOR: Power Shovel.....\$	25.12	7.83
TRUCK DRIVER, Includes Dump Truck.....\$	20.40	5.90
TRUCK DRIVER: Dump (Trailer) Truck.....\$	13.00 **	0.26
TRUCK DRIVER: Flatbed Truck.....\$	22.74	6.29
TRUCK DRIVER: Lowboy Truck.....\$	22.89	5.72
TRUCK DRIVER: Water Truck.....\$	23.46	6.06

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====
** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$16.20) or 13658 (\$12.15). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the

Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 6/14/2023

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Whatcom	Carpenters	Acoustical Worker	\$71.53	15J	4C		View
Whatcom	Carpenters	Bridge, Dock And Wharf Carpenters	\$71.53	15J	4C		View
Whatcom	Carpenters	Floor Layer & Floor Finisher	\$71.53	15J	4C		View
Whatcom	Carpenters	Journey Level	\$71.53	15J	4C		View
Whatcom	Carpenters	Scaffold Erector	\$71.53	15J	4C		View

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Journey Level Prevailing Wage Rates for the Effective Date: 6/14/2023

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Whatcom	Power Equipment Operators	Asphalt Plant Operators	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Assistant Engineer	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Barrier Machine (zipper)	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Batch Plant Operator: concrete	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Boat Operator	\$80.33	7A	11H	8X	View
Whatcom	Power Equipment Operators	Bobcat	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Brooms	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Bump Cutter	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Cableways	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Chipper	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Compressor	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Concrete Finish Machine - Laser Screed	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Conveyors	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Cranes Friction: 200 tons and over	\$82.76	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes, A-frame: 10 tons and under	\$75.55	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$81.12	7A	11H	8X	View

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Whatcom	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	\$79.62	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$81.97	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$82.76	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$80.33	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$81.97	7A	11H	8X	View
Whatcom	Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	\$79.00	7A	11H	8X	View
Whatcom	Power Equipment Operators	Crusher	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Deck Engineer/Deck Winches (power)	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Derricks, On Building Work	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Dozers D-9 & Under	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Drilling Machine	\$80.92	15J	11G	8X	View
Whatcom	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Gradechecker/Stakeman	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Guardrail Punch	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Horizontal/Directional Drill Locator	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Horizontal/Directional Drill Operator	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	\$79.00	7A	11H	8X	View
Whatcom	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	\$75.55	7A	11H	8X	View
Whatcom	Power Equipment Operators	Leverman	\$81.75	15J	11G	8X	View

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Whatcom	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Loaders, Plant Feed	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Loaders: Elevating Type Belt	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Locomotives, All	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Material Transfer Device	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Mechanics: All (Leadmen - \$0.50 per hour over mechanic)	\$80.92	15J	11G	8X	View
Whatcom	Power Equipment Operators	Motor Patrol Graders	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	\$79.62	7A	11H	8X	View
Whatcom	Power Equipment Operators	Overhead, bridge type: 100 tons and over	\$81.12	7A	11H	8X	View
Whatcom	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	\$80.33	7A	11H	8X	View
Whatcom	Power Equipment Operators	Pavement Breaker	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Posthole Digger, Mechanical	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Power Plant	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Pumps - Water	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Rigger and Bellman	\$75.55	7A	11H	8X	View
Whatcom	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	\$79.00	7A	11H	8X	View
Whatcom	Power Equipment Operators	Rollagon	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Roller, Other Than Plant Mix	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Roto-mill, Roto-grinder	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Saws - Concrete	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Scrapers - Concrete & Carry All	\$78.80	15J	11G	8X	View

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Whatcom	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Service Engineers: Equipment	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Shotcrete/Gunite Equipment	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$80.92	15J	11G	8X	View
Whatcom	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$81.75	15J	11G	8X	View
Whatcom	Power Equipment Operators	Slipform Pavers	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Spreader, Topsider & Screedman	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Subgrader Trimmer	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Tower Bucket Elevators	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$81.97	7A	11H	8X	View
Whatcom	Power Equipment Operators	Tower crane: up to 175' in height base to boom	\$81.12	7A	11H	8X	View
Whatcom	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	\$82.76	7A	11H	8X	View
Whatcom	Power Equipment Operators	Transporters, All Track Or Truck Type	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Trenching Machines	\$78.80	15J	11G	8X	View
Whatcom	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	\$79.62	7A	11H	8X	View
Whatcom	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	\$79.00	7A	11H	8X	View
Whatcom	Power Equipment Operators	Truck Mount Portable Conveyor	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$79.41	15J	11G	8X	View
Whatcom	Power Equipment Operators	Welder	\$80.12	15J	11G	8X	View
Whatcom	Power Equipment Operators	Wheel Tractors, Farmall Type	\$75.35	15J	11G	8X	View
Whatcom	Power Equipment Operators	Yo Yo Pay Dozer	\$79.41	15J	11G	8X	View

State of Washington
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Washington State Prevailing Wage

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Journey Level Prevailing Wage Rates for the Effective Date: 6/14/2023

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Whatcom	Cement Masons	Application of all Composition Mastic	\$70.09	15J	4U		View
Whatcom	Cement Masons	Application of all Epoxy Material	\$69.59	15J	4U		View
Whatcom	Cement Masons	Application of all Plastic Material	\$70.09	15J	4U		View
Whatcom	Cement Masons	Application of Sealing Compound	\$69.59	15J	4U		View
Whatcom	Cement Masons	Application of Underlayment	\$70.09	15J	4U		View
Whatcom	Cement Masons	Building General	\$69.59	15J	4U		View
Whatcom	Cement Masons	Composition or Kalman Floors	\$70.09	15J	4U		View
Whatcom	Cement Masons	Concrete Paving	\$69.59	15J	4U		View
Whatcom	Cement Masons	Curb & Gutter Machine	\$70.09	15J	4U		View
Whatcom	Cement Masons	Curb & Gutter, Sidewalks	\$69.59	15J	4U		View
Whatcom	Cement Masons	Curing Concrete	\$69.59	15J	4U		View
Whatcom	Cement Masons	Finish Colored Concrete	\$70.09	15J	4U		View
Whatcom	Cement Masons	Floor Grinding	\$70.09	15J	4U		View
Whatcom	Cement Masons	Floor Grinding/Polisher	\$69.59	15J	4U		View
Whatcom	Cement Masons	Green Concrete Saw, self-powered	\$70.09	15J	4U		View
Whatcom	Cement Masons	Grouting of all Plates	\$69.59	15J	4U		View
Whatcom	Cement Masons	Grouting of all Tilt-up Panels	\$69.59	15J	4U		View
Whatcom	Cement Masons	Gunite Nozzleman	\$70.09	15J	4U		View
Whatcom	Cement Masons	Hand Powered Grinder	\$70.09	15J	4U		View
Whatcom	Cement Masons	Journey Level	\$69.59	15J	4U		View
Whatcom	Cement Masons	Patching Concrete	\$69.59	15J	4U		View
Whatcom	Cement Masons	Pneumatic Power Tools	\$70.09	15J	4U		View
Whatcom	Cement Masons	Power Chipping & Brushing	\$70.09	15J	4U		View
Whatcom	Cement Masons	Sand Blasting Architectural Finish	\$70.09	15J	4U		View
Whatcom	Cement Masons	Screed & Rodding Machine	\$70.09	15J	4U		View

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Whatcom	Cement Masons	Spackling or Skim Coat Concrete	\$69.59	15J	4U		View
Whatcom	Cement Masons	Troweling Machine Operator	\$70.09	15J	4U		View
Whatcom	Cement Masons	Troweling Machine Operator on Colored Slabs	\$70.09	15J	4U		View
Whatcom	Cement Masons	Tunnel Workers	\$70.09	15J	4U		View



FY 2024 Per Diem Rates for concrete, Washington

Daily lodging rates (excluding taxes) | October 2023 - September 2024

Primary Destination	County	2023 Oct	Nov	Dec	2024 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Standard Rate	App es for a ocat ons w thout spec f ed rates	\$107	\$107	\$107	\$107	\$107	\$107	\$107	\$107	\$107	\$107	\$107	\$107



FY 2024 Per Diem Rates for concrete, Washington

Meals & Incidentals (M&IE) rates and breakdown

Primary Destination	County	M&IE Total	Continental Breakfast/Breakfast	Lunch	Dinner	Incidental Expenses	First & LastDay of Travel
Standard Rate	Applies for all locations without specified rates	\$59	\$13	\$15	\$26	\$5	\$44.25

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

Waterway Name	Navigable length (miles)	Miles under Federally authorized project	Approximate location of the upstream limit of navigation		Remarks Originally entered 12/19/1986; modified 5/5/2000, revised 2/12/2020
			Latitude	Longitude	
Abernathy Creek	0.3	None			Tributary of the Columbia River near Stella, WA. Tidal Influence for 0.3 mile to the rapids (*see Portland Dist public notice dated 1 Aug 1975).
Bachelor Island Slough	2.5	None			Tributary of Columbia River, Mouth 14 miles south of Vancouver, Washington.
Baker Bay (Ilwaco Channel)	4.5	4.5			Part of the Columbia River estuary. Chinook to Ilwaco, Washington.
Baker Bay (West Channel)	3.4	3.4			Tributary of Lower Columbia River at Ilwaco, Washington.
Bear River	4	None			Flows into Willapa Bay. Navigable to head of tidewater, approx. 4 miles above mouth.
Bingen Channel	0.3	0.3			Tributary to Bonneville Pool. At Bingen, Washington.
Birnie Slough	3	None			Tributary of Columbia River. 1 mile south of Cathlamet, WA.
Black River	15	None			Flows into Chehalis River near Rochester, WA. Navigable to 15 miles above mouth.
Brooks Slough	1	None			Tributary of Skamokawa Creek. Mouth at Skamokawa, WA.
Burke Slough	2	None			from Kalama, WA.
Camas Slough	3	None			Side channel of Columbia River at Camas, WA.
Carrolls Channel	5	None			Side channel of Columbia River. Downstream end at Longview, WA.
Cathlamet Channel	8	2			Side channel of Columbia River at Cathlamet, WA.
Cedar River	1	None			Flows into Lake Washington at Renton, WA. Navigable to N.P.R.R. bridge, approx. 1.25 miles above mouth.
Chehalis River	68	14			Flows into Grays Harbor. Project mileage begins at Union Pacific Railway bridge at Aberdeen, WA. Navigable to 68.5 miles above mouth, near Chehalis, WA.
Chinook River	1	None			Flows into Baker Bay. Mouth 3 miles east of Ilwaco, WA.
Coal Creek Slough	6	None			Tributary of Columbia River. Mouth 10 miles downstream of Longview, WA.
Columbia River	215	215.6			From Baker Bay to NWP upstream limit at River Mile 216. The boundary between OR & WA contains Bonneville Lock (RM 145.5) and the Dalles Lock (RM 192.5). See State of Oregon also.
Columbia River	93	93			From River Mile 216, John Day Dam to River Mile 309, which is the Oregon-Washington state line, (left blank) 17 miles above McNary Dam. Also listed under the State of Oregon.

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

Waterway Name	Navigable length (miles)	Miles under Federally authorized project	Approximate location of the upstream limit of navigation		Remarks Originally entered 12/19/1986; modified 5/5/2000, revised 2/12/2020
			Latitude	Longitude	
Columbia River	45	45			From River Mile 309 to River Mile 354, which is 16 miles upstream from Richland, WA, Seattle/Walla Walla District boundary.
Columbia River	392	242			Navigable length shown is from the boundary of the Seattle- Walla Walla Districts upstream to the Canadian border. The authorized project extends from Wenatchee to Kettle Falls. There are 7 dams, all without locks, across the river within Seattle District. Bays within pools created by the dams are considered navigable to normal full pool elevations. Spokane River from mouth to Little Falls, WA also is considered navigable.
Coweman River	4	None			Tributary of Cowlitz River. Mouth at Longview, WA.
Coweman River Sloughs (includes Marys Slough)	--	--			Three tributaries entering Coweman River left bank within 0.8 mile of its mouth (*see Portland Dist public notice dated 8/1/1975).
Coweman Sloughs	4	None			Tributary of Cowlitz River. Mouth at Longview, WA.
Cowlitz River	35.5	35.5			Tributary of Columbia River. Normally only the first 5 miles are maintained. Mouth at Longview, WA.
Crooked Creek	2.6	--			Tributary of Grays Bay (Columbia River).
Dakota Creek	2	None			Flows into Drayton Harbor near Blaine, WA. Navigable to head of tidewater, about 2 miles above mouth.
Deep River	6	6			Tributary of Lower Columbia. Mouth 7 miles NE of Astoria, OR.
Dickey River	1	None			Flows into Quillayute River near La Push, WA. Navigable to head of tidewater, about 1 mile above mouth.
Drano Lake	1	None			In Bonneville pool - 3 miles from Hood River, OR, across Columbia River. Mouth of Little White Salmon River.
Duwamish River	10	5			River mouth is considered the head of West Waterway, Seattle Harbor, about 0.3 miles downstream of Spokane Street bridge. Head of navigation is the mouth of Black River, former outlet of Lake Washington. This is also the approx. head of the tide, and the point where the Duwamish River becomes the Green River.
Elochoman River	2.2	None			Tributary to Elochomon Slough.
Elochomon Slough	3.5	1.5			Tributary of Columbia River. Mouth at Cathlamet, WA.
Fisher Island Slough	3	None			Side channel of Columbia River. Downstream end 6 miles downstream from Longview, WA.

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

Waterway Name	Navigable length (miles)	Miles under Federally authorized project	Approximate location of the upstream limit of navigation		Remarks Originally entered 12/19/1986; modified 5/5/2000, revised 2/12/2020
			Latitude	Longitude	
Grays Harbor	22	24			The navigable length shown is for the main channel from the UPPR bridge of Aberdeen to the seaward end of the bar channel as of 1965. Mileage shown under authorized project includes this main channel plus Bay City Channel and Westhaven Cove entrance. All bays and sloughs in the harbor are considered navigable to the elevation of MHW.
Grays River	8	8			Tributary of Lower Columbia River. Mouth 7 miles NE of Astoria, OR.
Hama Hama River	1	None			Flows into Hood Canal near Eldon, WA. Navigable to head of tidewater, approx. 1 mile above mouth. (*see 13 Jan 83 DF from Engineering Division).
Hoh River	1	None			Flows into Pacific Ocean near Forks, WA. Navigable to head of tidewater, approx. 1 mile above mouth.
Hoko River	1	None			Flows into Strait of Juan De Fuca near Sekiu, WA. Navigable to head of tidewater, approx. 1 mile above mouth.
Hoquiam River	8	2.5			Flows into Grays Harbor at Hoquiam, WA. Navigable to approximately 8 miles above mouth.
Hoquiam River (East Fork)	6	None			Flows into Hoquiam River at Hoquiam, WA. Navigable to approximately 6 miles above mouth to dam.
Humptulips River	3	None			Flows into Grays Harbor near Hoquiam, WA. Navigable to 3.5 miles above mouth.
Johns River	4	None			Flows into Grays Harbor near Markham, WA. Navigable to head of tidewater, approx. 4 miles above mouth.
Kalama River	4	None			Kalama, WA.
Klickitat River	1	None			Tributary to Bonneville Pool, Columbia River. Mouth at Lyle, WA.
Lake Chelan	55	None			1,100 ft. (N.G.V.D.) Entire Lake
Lake River	11	3			Tributary of Columbia River. Mouth 1 mile east of St. Helens, OR. Originates in Vancouver Lake.
Lake Sammamish	8	None			Mileage shown is from outlet of lake on north shore to most southern point in lake. OHW elevation = 27.0' NGVD 1929
Lake Union	1	None			Mileage shown is from the Lake Washington Ship Canal sailing course to the south end of Lake Union. Navigable to upper regulated level. OHW elevation = 21.8' COE datum

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

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			Latitude	Longitude	
Lake Washington	20	None			Navigable length is shown is from Webster Point, the easterly end of Lake Washington Ship Canal, to the north end of the Lake near Kenmore, and to the south end of the Lake near Renton. Navigable to upper regulated level. OHW elevation = 21.8 feet COE datum.
Lake Washington Ship Canal	8	8			Length shown is from the 34-foot depth curve in Shilshole Bay to the 30-foot depth curve in Lake Washington at Webster Point.
Lewis River	18	0.18			Tributary of Columbia River. Across Columbia River from St. Helens, OR. Normally only first 2 miles maintained.
Lewis River (East Fork)	3	2.5			Tributary of Lewis River. (Inactive part of Federal project). Upper end at LaCenter, WA.
Little Hoquiam River	2	None			Flows into Hoquiam River near Hoquiam, WA. Navigable to head of tidewater, approx. 2 miles above mouth.
Martin Island Slough	2	None			Side channel of Columbia River 4 miles upstream from Kalama, WA.
Naselle River	14	None			Flows into Willapa Bay near Naselle, WA. Navigable 14 miles above mouth.
Nooksack River	26	None			Flows into Bellingham Bay near Bellingham, WA. Navigable 26 miles above mouth to Everson.
North Nemah River	1	None			Flows into Willapa Bay near Nemah, WA. Navigable 0.5 miles above mouth, to State Highway bridge.
North River	5	None			Flows into Willapa Bay near South Bend, WA. Navigable to falls 5 miles above mouth.
Okanogan River	50	None			Flows into Columbia River near Brewster, WA. Navigable from mouth to McLaughlin Falls, approx. 50 miles above mouth near Riverside.
Palix River	4	None			Flows into Willapa Bay near Bay Center, WA. Navigable from mouth to head tidal influence, which is undetermined, but is assumed to be approx. 4 miles above mouth.
Pend Oreille River	72	None			Mileage shown is from the Canadian boundary at Mile 16, to the Washington-Idaho State line at Mile 88. Box Canyon Dam in this reach has no locks. Above Box Canyon the river is considered navigable to normal full pool elevation. (See also under Idaho).

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

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			Latitude	Longitude	
Puget Sound	97	15			Waters included are those described in Chapter 13, United States Coast Pilot 7, Ninth (1963) Edition. All are navigable to the line of MHW. Length of main channel is sailing course from Port Townsend to Olympia. No project channels are involved in this course except 2.5 miles at Olympia. Miles shown under authorized project are the aggregate length of the waterway connecting Port Townsend Bay and Oak Bay; East Waterway at Everett; Port Gamble, East and West Waterways at Seattle; Port Orchard; Hylebos, Port Industrial and City Waterways at Tacoma; Hammersley Inlet; and Olympia. Lengths of authorized small boat harbors at Port Townsend, Lake Crockett and Shilshole Bay are not included.
Puyallup River	3	3			Flows into Commencement Bay at Tacoma, WA. Navigable 3 miles above mouth.
Pysht River	2	None			head of tidewater, 2.5 miles above mouth.
Queets River	1	None			Flows into Pacific Ocean near Queets, WA. Navigable approx. 1 mile above mouth.
Quillayute River	2	1			Flows into Pacific Ocean at La Push, WA. Navigable 2.5 miles above mouth.
Rock Creek	1	None			In Bonneville Pool Columbia River at Stevenson, WA.
Samish River	4	None			Flows into Samish Bay near Edison, WA. Navigable 4 miles above mouth.
Sammamish River	15	15			Flows out of Lake Sammamish into Lake Washington near Seattle, Washington. Navigable throughout.
Sauk River	40	None			Tributary to the Skagit River. Navigable up to Bedal.
Seal Slough	1.9	-			Tributary to Corays River. Tidal influence for a distance 1.9 miles from its mouth to Kendall Road crossing (see Portland District public notice dated 1 Aug 1975).
Sekiu River	1	None			Flows into Strait of Juan De Fuca near Sekiu, WA. Navigable 4,000 feet above mouth.
Skagit River (North Fork)	7	None			Flows out of Skagit River at about Mile 9.5 near Mt. Vernon, into Skagit Bay.
Skagit River (Including South Fork)	77	9.5			Flows into Skagit Bay near Stanwood, WA. Mileage shown is from outboard end of training dike, at entrance to the South Fork, to Ranger Station at Marblemount, WA.
Skamokawa Creek	1	0.4			Tributary of Columbia River. Mouth at Skamokawa, WA.

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

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			Latitude	Longitude	
Skokomish River	3	None			Flows into Hood Canal near Union, WA. Navigable 3 miles above mouth to head of tidewater. (*see 13 Jan 86 DF from Engineering Division).
Skykomish River	12	None			At point of confluence with Snoqualmie River forms the Snohomish River near Monroe, WA. Navigable to Sultan, WA., approx. 12 miles above mouth.
Snake River	36	36			From Lewiston, ID - Clarkston, WA, Highway Bridge to the Washington-Oregon state line at Corlin Creek. Also listed under the State of Idaho.
Snake River	140	140			From its confluence with the Columbia to Lewiston, ID - Clarkston, WA, Highway Bridge.
Snohomish River	23	6			Formed by confluence of Skykomish and Snoqualmie near Monroe, WA. Flows into Port Gardner at Everett, WA. Navigable throughout. Mileage shown is from south end of training dike in Everett Harbor.
Snohomish River (Ebey Slough)	11	None			Flows out of Snohomish River near Mile 10 at Everett, WA, into Port Gardner. Mileage shown is from head to I-5 highway bridge near mouth.
Snohomish River (Steamboat Slough)	5	None			Flows out of Snohomish River near Mile 6 at Everett, WA, into Port Gardner. Mileage shown is from head to GN Ry bridge near mouth.
Snohomish River (Union Slough)	4	None			Flows out of Snohomish River near Mile 6 at Everett, WA, into Port Gardner. Mileage shown is from head to GN Ry bridge near mouth.
Snoqualmie River	20	None			At point of confluence with Skykomish River, forms the Snohomish River Monroe, WA. Navigable to Camation, WA approx. 20 miles above mouth.
Steamboat Slough	2	0.5			Side channel of Columbia River. Mouth at Skamokawa, WA.
Stillaguamish River	8	2.5			Flows into Port Susan near Stanwood, WA. Navigable approx. 8 miles above mouth to head of Hat Slough.
Stillaguamish River (Hat Slough)	2	None			Flows out of Stillaguamish River near Mile 8. Mileage shown is from head to mouth in Port Susan.
Straits of Georgia and Juan de Fuca	124	13			Waters included are those described in Ch. 12, United States Coast Pilot 7, Ninth (1963) Edition. All are navigable to the line of MHW. Length of main channel is sailing course from Cape Flattery to Bellingham. No project channels are involved in this course except 1.2 miles of Whatcom Creek Waterway of Bellingham. Miles shown under authorized project are the aggregate length of Squaquicum and Whatcom Creek; Waterways of Bellingham, Capsante Waterway at Anacortes; and Swinomish Channel. Lengths of authorized small boat harbors at Neah Bay, Port Angeles, Blaine, Bellingham, and Anacortes are not included.

Navigable Waters of the United States in Washington State

Originally listed 19 December 1986, revised 31 Dec 2008

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			Latitude	Longitude	
Suiattle Rvier	11.5	None			Tributary to the Sauk River. Navigable to the Boundary Bridge.
Vancouver Lake	-	-			In its entirety. Lake River originates at north end.
Wallacut River	0.5	None			Flows into Baker Bay. Mouth 1 mi. NE of Ilwaco, WA.
Walla Walla River	13	10			This is from original mouth before McNary Pool was formed to the State Highway 12 Bridge.
Washougal River	0.5	None			Tributary to the Columbia River. Tidal influence for a distance of 0.5 miles from its mouth on Camas Slough (*See Portland Dist public notice dated 1 Aug 1975).
Welcome Slough	1.4	None			Tributary of Columbia River. 2 mi. south of Cathlamet, WA.
White Salmon River	1	None			Tributary to Bonneville Pool - Columbia River. Mouth 2 miles downstream from White Salmon, WA.
Willapa River	7	6			Formed by confluence of North and South Forks at Raymond, WA. Flows into Willapa Bay near South Bend, WA. River is navigable throughout
Willapa River (North Fork)	14	2			At confluence with South Fork, forms Willapa River at Raymond, WA. Navigable 14 miles above mouth to Willapa City.
Willapa River (South Fork)	3	2			At confluence with North Fork, forms Willapa River at Raymond, WA. Navigable to head if tidal influence, estimated at 3 miles above mouth.
Willapa River (Skidmore Slough)	1	None			Flows into Willapa River near South Bend, WA. Navigable to 2,000' above mouth, but closed to navigation by NP Railway culverts 1,000' above mouth.
Wind River	1	None			Tributary to Bonneville Pool - Columbia River. Mouth 4 mi. upstream from Stevenson, WA.
Wishkah River	11	None			Flows into Chehalis River at Aberdeen, WA. Navigable approx. 11 miles above mouth, to head of tidewater at Forks.
Yakima River	8.4	6			This is from original mouth before McNary Pool was formed to the Van Geisen Street Bridge.