

REGIONAL WATER SUPPLY SYSTEM FINAL 2024 CAPITAL BUDGET - Includes Carryforward from 2023

	2023 RWSS Budget	2023 RWSS Actuals Jan to Sept	2023 RWSS Projections Oct to Dec	2023 Total	2023 Variance	2024 RWSS Original Budget	2024 RWSS ADJUSTED BUDGET	Notes
Major Water Treatment Equipment: First Diversion	43,452	9,774	4,345	14,119	29,333	43,452	72,785	
Major Water Treatment Equipment: RWSS Kent	10,995	2,473	1,100	3,573	7,423	10,995	18,418	Potential Projects: -Replace actuators at intake or GRFF
Major Water Treatment Equipment: RWSS Covington	10,995	2,473	1,100	3,573	7,423	10,995	18,418	-Filter bed handrail
Major Water Treatment Equipment: RWSS Lakehaven	10,995	2,473	1,100	3,573	7,423	10,995	18,418	-Replace compressors for ozone system nitrogen boost -Advanced monitoring equipment
Major Water Treatment Equipment: RWSS Tacoma	23,562	5,300	2,356	7,656	15,905	23,562	39,467	
Total Major Water Treatment Equipment	100,000	22,494	10,000	32,494	67,506	100,000	167,506	Slight decrease from previous draft due to Actuals
Watershed Betterments: First Diversion	46,060	18,579	2,173	20,752	25,308	46,060	71,367	
Watershed Betterments: RWSS Kent	11,655	4,701	550	5,251	6,404	11,655	18,059	-Water Crossings
Watershed Betterments: RWSS Covington	11,655	4,701	550	5,251	6,404	11,655	18,059	-Culverts -Rock Pit
Watershed Betterments: RWSS Lakehaven	11,655	4,701	550	5,251	6,404	11,655	18,059	
Watershed Betterments: RWSS Tacoma	24,975	10,074	1,178	11,252	13,723	24,975	38,698	
Total Watershed Betterments	106,000	42,757	5,000	47,757	58,243	106,000	164,243	Slight decrease from previous draft due to Actuals
RWSS Watershed Tools and Equipment: First Diversion	23,899	-	-	-	23,899	23,899	47,798	
RWSS Watershed Tools and Equipment: RWSS Kent	6,047	-	-	-	6,047	6,047	12,095	Potential Projects: -Elk field implements
RWSS Watershed Tools and Equipment: RWSS Covington	6,047	-	-	-	6,047	6,047	12,095	-Physical security & access control -CCTV upgrades
RWSS Watershed Tools and Equipment: RWSS Lakehaven	6,047	-	-	-	6,047	6,047	12,095	
RWSS Watershed Tools and Equipment: RWSS Tacoma	12,959	-	-	-	12,959	12,959	25,918	
RWSS Watershed Tools and Equipment	55,000	-	-	-	55,000	55,000	110,000	Hold 23/24 total budget
Major Electrical & Control Equipment: First Diversion	43,452	1,057	4,345	5,402	38,050	43,452	81,502	
Major Electrical & Control Equipment: RWSS Kent	10,995	268	1,100	1,367	9,628	10,995	20,624	Potential Projects: -Upgrade fiber optic network
Major Electrical & Control Equipment: RWSS Covington	10,995	268	1,100	1,367	9,628	10,995	20,624	-SCADA network switch upgrade -HMI replacements
Major Electrical & Control Equipment: RWSS Lakehaven	10,995	268	1,100	1,367	9,628	10,995	20,624	-Motor control equipment
Major Electrical & Control Equipment: RWSS Tacoma	23,562	573	2,356	2,929	20,632	23,562	44,194	
Major Electrical & Control Equipment	100,000	2,433	10,000	12,433	87,567	100,000	187,567	Slight decrease from previous draft due to Actuals
Trap & Sort Facility Upgrade: First Diversion	69,857	-	-	-	69,857	44,895	44,895	
Trap & Sort Facility Upgrade: RWSS Kent	16,672	-	-	-	16,672	10,715	10,715	-Fabricate two fish transfer hoppers with ancillary equipment
Trap & Sort Facility Upgrade: RWSS Covington	16,672	-	-	-	16,672	10,715	10,715	-Consultant design costs for sensors, integration of controls, exterior walls, doors, and electrical
Trap & Sort Facility Upgrade: RWSS Lakehaven	16,672	-	-	-	16,672	10,715	10,715	
Trap & Sort Facility Upgrade: RWSS Tacoma	35,726	-	-	-	35,726	22,960	22,960	
Total Trap & Sort Facility Upgrade	155,600	-	-	-	155,600	100,000	100,000	\$100k estimated for 2024 with remaining program budget in 25/26. New BCE currently being drafted
HHD Additional Storage Project: RWSS Kent	88,472	77,840	25,538	103,378	(14,906)	88,472	88,472	
HHD Additional Storage Project: RWSS Covington	88,472	77,840	25,538	103,378	(14,906)	88,472	88,472	
HHD Additional Storage Project: RWSS Lakehaven	88,472	77,840	25,538	103,378	(14,906)	88,472	88,472	
HHD Additional Storage Project: RWSS Tacoma	189,583	166,800	54,724	221,524	(31,940)	189,583	189,583	
Total HHD Additional Storage Project	455,000	400,319	131,338	531,657	(76,657)	455,000	455,000	Hold 2024 budget for expected payment in August 2024
Fleet Additions and Replacements: First Diversion	203,579	99,277	131,337	230,615	(27,036)	184,209	157,174	
Fleet Additions and Replacements: RWSS Kent	51,515	25,122	33,234	58,356	(6,841)	46,613	39,772	
Fleet Additions and Replacements: RWSS Covington	51,515	25,122	33,234	58,356	(6,841)	46,613	39,772	
Fleet Additions and Replacements: RWSS Lakehaven	51,515	25,122	33,234	58,356	(6,841)	46,613	39,772	
Fleet Additions and Replacements: RWSS Tacoma	110,388	53,832	71,216	125,048	(14,660)	99,885	85,226	
Total Fleet Additions and Replacements	468,511	228,474	302,256	530,730	(62,219)	423,934	361,715	

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Friends of the Green:Kent	-					-		
Friends of the Green: RWSS Covington	-					-		
Friends of the Green: RWSS Lakehaven	-					-		No spending projected until further notice.
Friends of the Green: RWSS Tacoma	-					-		
Total Friends of the Green								
RWSS North Fork Wells Replacement & Renewal: First Diversion	53,052	-	-	-	53,052	53,052	106,105	
RWSS North Fork Wells Replacement & Renewal: RWSS Kent	9,129	-	-	-	9,129	9,129	18,257	
RWSS North Fork Wells Replacement & Renewal: RWSS Covington	9,129	-	-	-	9,129	9,129	18,257	
RWSS North Fork Wells Replacement & Renewal: RWSS Lakehaven	9,129	-	-	-	9,129	9,129	18,257	
RWSS North Fork Wells Replacement & Renewal: RWSS Tacoma	19,562	-	-	-	19,562	19,562	39,123	
RWSS North Fork Wells Replacement & Renewal	100,000	-	-	-	100,000	100,000	200,000	Hold 23/24 total budget
Headworks Space Planning: First Diversion	268,119	60,215	9,777	69,991	198,127	268,119	564,881	
Headworks Space Planning: RWSS Kent	67,846	15,237	2,474	17,711	50,135	67,846	142,940	
Headworks Space Planning: RWSS Covington	67,846	15,237	2,474	17,711	50,135	67,846	142,940	
Headworks Space Planning: RWSS Lakehaven	67,846	15,237	2,474	17,711	50,135	67,846	142,940	The objective of this project is to strategically assess, design and construct office space at the Tacoma Water Headworks Facility with a 10-year planning horizon (2023-2033) for the purpose of providing an environment where employees can perform their best work and deliver on the mission of providing clean, reliable water.
Headworks Space Planning: RWSS Tacoma	145,384	32,651	5,301	37,952	107,432	145,384	306,300	
Headworks Space Planning	617,040	138,576	22,500	161,076	455,964	617,040	1,300,000	
GRFF Portable Genset: First Diversion	97,768	-	-	-	97,768	97,768	-	
GRFF Portable Genset: RWSS Kent	24,740	-	-	-	24,740	24,740	-	-Removal of the existing 750kW generator
GRFF Portable Genset: RWSS Covington	24,740	-	-	-	24,740	24,740	-	-Evaluation of repurposing the existing 6000 gallon diesel tank
GRFF Portable Genset: RWSS Lakehaven	24,740	-	-	-	24,740	24,740	-	-Evaluation of the existing switchgear in the chemical facility
GRFF Portable Genset: RWSS Tacoma	53,013	-	-	-	53,013	53,013	-	-Verify generator sizing with a load study
								-Procurement of a new 500kW diesel generator with trailer and fuel tank
								-Startup and commissioning of the new 500kW generator
GRFF Portable Genset	225,000	-	-	-	225,000	225,000	-	Moved purchase to 27/28
GRFF Generator CT Upgrade: First Diversion	21,726	-	-	-	21,726	21,726	43,452	
GRFF Generator CT Upgrade: RWSS Kent	5,498	-	-	-	5,498	5,498	10,995	
GRFF Generator CT Upgrade: RWSS Covington	5,498	-	-	-	5,498	5,498	10,995	Installation of "protection" current transformers.
GRFF Generator CT Upgrade: RWSS Lakehaven	5,498	-	-	-	5,498	5,498	10,995	
GRFF Generator CT Upgrade: RWSS Tacoma	11,781	-	-	-	11,781	11,781	23,562	
GRFF Generator CT Upgrade	50,000	-	-	-	50,000	50,000	100,000	E&C pursuing less expensive firmware update.
GRFF Portable Generator Camlock Panels: First Diversion	17,381	3,307	2,607	5,914	11,467	17,381	2,824	
GRFF Portable Generator Camlock Panels: RWSS Kent	4,398	837	660	1,496	2,902	4,398	715	
GRFF Portable Generator Camlock Panels: RWSS Covington	4,398	837	660	1,496	2,902	4,398	715	Installation of generator connections at key GRFF facilities.
GRFF Portable Generator Camlock Panels: RWSS Lakehaven	4,398	837	660	1,496	2,902	4,398	715	
GRFF Portable Generator Camlock Panels: RWSS Tacoma	9,425	1,793	1,414	3,207	6,218	9,425	1,531	
GRFF Portable Generator Camlock Panels	40,000	7,610	6,000	13,610	26,390	40,000	6,500	Projected completion 03/2024 (about \$20k underbudget)
Chemical Feed Lines at GRFF: First Diversion	54,315	19,992	43,452	63,445	(9,129)	54,315	47,798	
Chemical Feed Lines at GRFF: RWSS Kent	13,744	5,059	10,995	16,054	(2,310)	13,744	12,095	
Chemical Feed Lines at GRFF: RWSS Covington	13,744	5,059	10,995	16,054	(2,310)	13,744	12,095	Project will replace existing chemical feed lines throughout the treatment plant, between sources, pull vaults, and injection points.
Chemical Feed Lines at GRFF: RWSS Lakehaven	13,744	5,059	10,995	16,054	(2,310)	13,744	12,095	
Chemical Feed Lines at GRFF: RWSS Tacoma	29,452	10,841	23,562	34,402	(4,950)	29,452	25,918	
Chemical Feed Lines at GRFF	125,000	46,010	100,000	146,010	(21,010)	125,000	110,000	

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	2023 RWSS Budget	2023 RWSS Actuals Jan to Sept	2023 RWSS Projections Oct to Dec	2023 Total	2023 Variance	2024 RWSS Original Budget	2024 RWSS ADJUSTED BUDGET	Notes
Ozone System Upgrades: First Diversion	43,452	-	6,518	6,518	36,935	86,905	123,839	
Ozone System Upgrades: RWSS Kent	10,995	-	1,649	1,649	9,346	21,991	31,337	
Ozone System Upgrades: RWSS Covington	10,995	-	1,649	1,649	9,346	21,991	31,337	-Replacement of power supply units, controls, analyzers.
Ozone System Upgrades: RWSS Lakehaven	10,995	-	1,649	1,649	9,346	21,991	31,337	
Ozone System Upgrades: RWSS Tacoma	23,562	-	3,534	3,534	20,027	47,123	67,150	
Ozone System Upgrades	100,000	-	15,000	15,000	85,000	200,000	285,000	
Fluoride RTU Relocation & Profinet Conversion: First Diversion	17,381	-	-	-	17,381	17,381	-	
Fluoride RTU Relocation & Profinet Conversion: RWSS Kent	4,398	-	-	-	4,398	4,398	-	
Fluoride RTU Relocation & Profinet Conversion: RWSS Covington	4,398	-	-	-	4,398	4,398	-	Relocation of cabinet to upper portion of the solids handling facility where it is safer. This project includes a Profinet conversion of the PLC hardware in conjunction to the relocation.
Fluoride RTU Relocation & Profinet Conversion: RWSS Lakehaven	4,398	-	-	-	4,398	4,398	-	
Fluoride RTU Relocation & Profinet Conversion: RWSS Tacoma	9,425	-	-	-	9,425	9,425	-	
Fluoride RTU Relocation & Profinet Conversion	40,000	-	-	-	40,000	40,000	-	Project moved to 25/26
Flow meter bulk replacements (Shared): First Diversion	8,147	324	1,912	2,236	5,911	-	1,195	
Flow meter bulk replacements (Shared): RWSS Kent	2,062	82	484	566	1,496	-	302	
Flow meter bulk replacements (Shared): RWSS Covington	2,062	82	484	566	1,496	-	302	-Reactor 1 Blending -Reactor 5 Blending -Backwash
Flow meter bulk replacements (Shared): RWSS Lakehaven	2,062	82	484	566	1,496	-	302	
Flow meter bulk replacements (Shared): RWSS Tacoma	4,418	176	1,037	1,212	3,205	-	648	
Flow meter bulk replacements (Shared)	18,750	746	4,400	5,146	13,604	-	2,750	
Flow meter bulk replacements (100% RWSS): RWSS Kent	3,646	1,401	331	1,731	1,915	-	-	
Flow meter bulk replacements (100% RWSS): RWSS Covington	3,646	1,401	331	1,731	1,915	-	-	-Raw water 5 -Pipeline 5 -Flow Control Facility
Flow meter bulk replacements (100% RWSS): RWSS Lakehaven	3,646	1,401	331	1,731	1,915	-	-	
Flow meter bulk replacements (100% RWSS): RWSS Tacoma	7,813	3,002	708	3,710	4,103	-	-	
Flow meter bulk replacements (100% RWSS)	18,750	7,204	1,700	8,904	9,846	-	2,250	
FRP: 167/509 P5 Relocation: RWSS Kent	486	793	122	915	(429)	486	486	
FRP: 167/509 P5 Relocation: RWSS Covington	486	793	122	915	(429)	486	486	Relocation of a portion of P5 to allow for completion of highway 167.
FRP: 167/509 P5 Relocation: RWSS Lakehaven	486	793	122	915	(429)	486	486	
FRP: 167/509 P5 Relocation: RWSS Tacoma	1,042	1,700	260	1,960	(918)	1,042	1,042	
FRP: 167/509 P5 Relocation	2,500	4,079	625	4,704	(2,204)	2,500	2,500	
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Kent	486	1,787	243	2,030	(1,544)	486	486	
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Covington	486	1,787	243	2,030	(1,544)	486	486	Relocation of a portion of P5 to allow for installation of fish passage.
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Lakehaven	486	1,787	243	2,030	(1,544)	486	486	
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Tacoma	1,042	3,829	521	4,350	(3,308)	1,042	1,042	
FRP: Fish Passage P5 Relocation near Black Diamond	2,500	9,190	1,250	10,440	(7,940)	2,500	2,500	
Covington Turnout Generator & ATS Replacement: RWSS Kent	3,889	-	-	-	3,889	-	-	
Covington Turnout Generator & ATS Replacement: RWSS Covington	3,889	-	-	-	3,889	-	-	Design, procurement, permitting, and installation of a new generator, ATS, and house panel.
Covington Turnout Generator & ATS Replacement: RWSS Lakehaven	3,889	-	-	-	3,889	-	-	
Covington Turnout Generator & ATS Replacement: RWSS Tacoma	8,333	-	-	-	8,333	-	-	
Covington Turnout Generator & ATS Replacement	20,000	-	-	-	20,000	-	-	Project moved to 25/26
First Diversion Tacoma	1,011,642	212,526	206,467	418,992	592,649	1,002,615	1,365,616	
RWSS Kent	347,668	135,599	78,478	214,077	133,591	338,209	425,768	
RWSS Covington	347,668	135,599	78,478	214,077	133,591	338,209	425,768	
RWSS Lakehaven	347,668	135,599	78,478	214,077	133,591	338,209	425,768	
RWSS Tacoma	745,004	290,569	168,168	458,737	286,267	724,733	912,360	
Total RWSS Shared Capital	2,799,651	909,892	610,069	1,519,961	1,279,690	2,741,974	3,555,281	