

**REGIONAL WATER SUPPLY SYSTEM FINAL 2023 CAPITAL BUDGET**

	2023 RWSS Budget	2024 RWSS Budget	Notes
Major Water Treatment Equipment: First Diversion	43,452	43,452	Potential Projects:
Major Water Treatment Equipment: RWSS Kent	10,995	10,995	-Replace actuators at intake or GRFF
Major Water Treatment Equipment: RWSS Covington	10,995	10,995	-Filter bed handrail
Major Water Treatment Equipment: RWSS Lakehaven	10,995	10,995	-Replace compressors for ozone system nitrogen boost
Major Water Treatment Equipment: RWSS Tacoma	23,562	23,562	-Advanced monitoring equipment
<b>Total Major Water Treatment Equipment</b>	<b>100,000</b>	<b>100,000</b>	
Watershed Betterments: First Diversion	46,060	46,060	
Watershed Betterments: RWSS Kent	11,655	11,655	-Water Crossings
Watershed Betterments: RWSS Covington	11,655	11,655	-Culverts
Watershed Betterments: RWSS Lakehaven	11,655	11,655	-Rock Pit
Watershed Betterments: RWSS Tacoma	24,975	24,975	
<b>Total Watershed Betterments</b>	<b>106,000</b>	<b>106,000</b>	
RWSS Watershed Tools and Equipment: First Diversion	23,899	23,899	Potential Projects:
RWSS Watershed Tools and Equipment: RWSS Kent	6,047	6,047	-Elk field implements
RWSS Watershed Tools and Equipment: RWSS Covington	6,047	6,047	-Physical security & access control
RWSS Watershed Tools and Equipment: RWSS Lakehaven	6,047	6,047	-CCTV upgrades
RWSS Watershed Tools and Equipment: RWSS Tacoma	12,959	12,959	
<b>RWSS Watershed Tools and Equipment</b>	<b>55,000</b>	<b>55,000</b>	
Major Electrical & Control Equipment: First Diversion	43,452	43,452	Potential Projects:
Major Electrical & Control Equipment: RWSS Kent	10,995	10,995	-Upgrade fiber optic network
Major Electrical & Control Equipment: RWSS Covington	10,995	10,995	-SCADA network switch upgrade
Major Electrical & Control Equipment: RWSS Lakehaven	10,995	10,995	-HMI replacements
Major Electrical & Control Equipment: RWSS Tacoma	23,562	23,562	-Motor control equipment
<b>Major Electrical &amp; Control Equipment</b>	<b>100,000</b>	<b>100,000</b>	
Trap & Sort Facility Upgrade: First Diversion	69,857	69,857	
Trap & Sort Facility Upgrade: RWSS Kent	16,672	16,672	-Fabricate two fish transfer hoppers with ancillary equipment
Trap & Sort Facility Upgrade: RWSS Covington	16,672	16,672	-Consultant design costs for sensors, integration of controls, exterior
Trap & Sort Facility Upgrade: RWSS Lakehaven	16,672	16,672	walls, doors, and electrical
Trap & Sort Facility Upgrade: RWSS Tacoma	35,726	35,726	
<b>Total Trap &amp; Sort Facility Upgrade</b>	<b>155,600</b>	<b>155,600</b>	
HHD Additional Storage Project: RWSS Kent	88,472	88,472	
HHD Additional Storage Project: RWSS Covington	88,472	88,472	
HHD Additional Storage Project: RWSS Lakehaven	88,472	88,472	
HHD Additional Storage Project: RWSS Tacoma	189,583	189,583	
<b>Total HHD Additional Storage Project</b>	<b>455,000</b>	<b>455,000</b>	
Fleet Additions and Replacements: First Diversion	203,780	184,209	-2023 Includes \$44,578 in Carry-Forward
Fleet Additions and Replacements: RWSS Kent	51,475	46,613	-1-F550 Dump, snow plow, sander
Fleet Additions and Replacements: RWSS Covington	51,475	46,613	-5-Pickup, 1/2 ton
Fleet Additions and Replacements: RWSS Lakehaven	51,475	46,613	-4-Pickup, 3/4 ton
Fleet Additions and Replacements: RWSS Tacoma	110,305	99,885	-1-Trailer Mounted Pump
<b>Total Fleet Additions and Replacements</b>	<b>468,510</b>	<b>423,934</b>	-1-ORV
RWSS North Fork Wells Replacement & Renewal: First Diversion	53,052	53,052	
RWSS North Fork Wells Replacement & Renewal: RWSS Kent	9,129	9,129	
RWSS North Fork Wells Replacement & Renewal: RWSS Covington	9,129	9,129	
RWSS North Fork Wells Replacement & Renewal: RWSS Lakehaven	9,129	9,129	
RWSS North Fork Wells Replacement & Renewal: RWSS Tacoma	19,562	19,562	
<b>RWSS North Fork Wells Replacement &amp; Renewal</b>	<b>100,000</b>	<b>100,000</b>	
Headworks Space Planning: First Diversion	268,119	268,119	The objective of this project is to strategically assess, design and
Headworks Space Planning: RWSS Kent	67,846	67,846	construct office space at the Tacoma Water Headworks Facility with
Headworks Space Planning: RWSS Covington	67,846	67,846	a 10-year planning horizon (2023-2033) for the purpose of providing
Headworks Space Planning: RWSS Lakehaven	67,846	67,846	an environment where employees can perform their best work and
Headworks Space Planning: RWSS Tacoma	145,384	145,384	deliver on the mission of providing clean, reliable water.
<b>Headworks Space Planning</b>	<b>617,040</b>	<b>617,040</b>	
GRFF Portable Genset: First Diversion	97,768	97,768	-Removal of the existing 750kW generator
GRFF Portable Genset: RWSS Kent	24,740	24,740	-Evaluation of repurposing the existing 6000 gallon diesel tank
GRFF Portable Genset: RWSS Covington	24,740	24,740	-Evaluation of the existing switchgear in the chemical facility
GRFF Portable Genset: RWSS Lakehaven	24,740	24,740	-Verify generator sizing with a load study
GRFF Portable Genset: RWSS Tacoma	53,013	53,013	-Procurement of a new 500kW diesel generator with trailer and fuel tank
<b>GRFF Portable Genset</b>	<b>225,000</b>	<b>225,000</b>	-Startup and commissioning of the new 500kW generator

	2023 RWSS Budget	2024 RWSS Budget	Notes
GRFF Generator CT Upgrade: First Diversion	21,726	21,726	
GRFF Generator CT Upgrade: RWSS Kent	5,498	5,498	
GRFF Generator CT Upgrade: RWSS Covington	5,498	5,498	Installation of "protection" current transformers.
GRFF Generator CT Upgrade: RWSS Lakehaven	5,498	5,498	
GRFF Generator CT Upgrade: RWSS Tacoma	11,781	11,781	
<b>GRFF Generator CT Upgrade</b>	<b>50,000</b>	<b>50,000</b>	
GRFF Portable Generator Camlock Panels: First Diversion	17,381	17,381	
GRFF Portable Generator Camlock Panels: RWSS Kent	4,398	4,398	
GRFF Portable Generator Camlock Panels: RWSS Covington	4,398	4,398	Installation of generator connections at key GRFF facilities.
GRFF Portable Generator Camlock Panels: RWSS Lakehaven	4,398	4,398	
GRFF Portable Generator Camlock Panels: RWSS Tacoma	9,425	9,425	
<b>GRFF Portable Generator Camlock Panels</b>	<b>40,000</b>	<b>40,000</b>	
Chemical Feed Lines at GRFF: First Diversion	54,315	54,315	
Chemical Feed Lines at GRFF: RWSS Kent	13,744	13,744	Project will replace existing chemical feed lines throughout the
Chemical Feed Lines at GRFF: RWSS Covington	13,744	13,744	treatment plant, between sources, pull vaults, and injection points.
Chemical Feed Lines at GRFF: RWSS Lakehaven	13,744	13,744	
Chemical Feed Lines at GRFF: RWSS Tacoma	29,452	29,452	
<b>Chemical Feed Lines at GRFF</b>	<b>125,000</b>	<b>125,000</b>	
Ozone System Upgrades: First Diversion	43,452	86,905	
Ozone System Upgrades: RWSS Kent	10,995	21,991	
Ozone System Upgrades: RWSS Covington	10,995	21,991	-Replacement of power supply units, controls, analyzers.
Ozone System Upgrades: RWSS Lakehaven	10,995	21,991	
Ozone System Upgrades: RWSS Tacoma	23,562	47,123	
<b>Ozone System Upgrades</b>	<b>100,000</b>	<b>200,000</b>	
Fluoride RTU Relocation & Profinet Conversion: First Diversion	17,381	17,381	
Fluoride RTU Relocation & Profinet Conversion: RWSS Kent	4,398	4,398	Relocation of cabinet to upper portion of the solids handling facility
Fluoride RTU Relocation & Profinet Conversion: RWSS Covington	4,398	4,398	where it is safer. This project includes a Profinet conversion of the
Fluoride RTU Relocation & Profinet Conversion: RWSS Lakehaven	4,398	4,398	PLC hardware in conjunction to the relocation.
Fluoride RTU Relocation & Profinet Conversion: RWSS Tacoma	9,425	9,425	
<b>Fluoride RTU Relocation &amp; Profinet Conversion</b>	<b>40,000</b>	<b>40,000</b>	
Flow meter bulk replacements (Shared): First Diversion	8,147	-	
Flow meter bulk replacements (Shared): RWSS Kent	2,062	-	-Reactor 1 Blending
Flow meter bulk replacements (Shared): RWSS Covington	2,062	-	-Reactor 5 Blending
Flow meter bulk replacements (Shared): RWSS Lakehaven	2,062	-	-Backwash
Flow meter bulk replacements (Shared): RWSS Tacoma	4,418	-	
<b>Flow meter bulk replacements (Shared)</b>	<b>18,750</b>		
Flow meter bulk replacements (100% RWSS): RWSS Kent	3,646	-	-Raw water 5
Flow meter bulk replacements (100% RWSS): RWSS Covington	3,646	-	-Pipeline 5
Flow meter bulk replacements (100% RWSS): RWSS Lakehaven	3,646	-	-Flow Control Facility
Flow meter bulk replacements (100% RWSS): RWSS Tacoma	7,813	-	
<b>Flow meter bulk replacements (100% RWSS)</b>	<b>18,750</b>		
FRP: 167/509 P5 Relocation: RWSS Kent	486	486	
FRP: 167/509 P5 Relocation: RWSS Covington	486	486	Relocation of a portion of P5 to allow for completion of highway 167.
FRP: 167/509 P5 Relocation: RWSS Lakehaven	486	486	
FRP: 167/509 P5 Relocation: RWSS Tacoma	1,042	1,042	
<b>FRP: 167/509 P5 Relocation</b>	<b>2,500</b>	<b>2,500</b>	
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Kent	486	486	
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Covington	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	486	
FRP: Fish Passage P5 Relocation near Black Diamond: RWSS Tacoma	1,042	1,042	
<b>FRP: Fish Passage P5 Relocation near Black Diamond</b>	<b>2,500</b>	<b>2,500</b>	
Covington Turnout Generator & ATS Replacement: RWSS Kent	3,889	-	
Covington Turnout Generator & ATS Replacement: RWSS Covington	3,889	-	Design, procurement, permitting, and installation of a new
Covington Turnout Generator & ATS Replacement: RWSS Lakehaven	3,889	-	generator, ATS, and house panel.
Covington Turnout Generator & ATS Replacement: RWSS Tacoma	8,333	-	
<b>Covington Turnout Generator &amp; ATS Replacement</b>	<b>20,000</b>		
First Diversion Tacoma	1,011,842	1,027,577	
RWSS Kent	347,629	344,166	
RWSS Covington	347,629	344,166	
RWSS Lakehaven	347,629	344,166	
RWSS Tacoma	744,921	737,499	
<b>Total RWSS Shared Capital</b>	<b>2,799,650</b>	<b>2,797,574</b>	