

REGIONAL WATER SUPPLY SYSTEM 2017 CAPITAL BUDGET

	2017 RWSS Budget	2018 RWSS Budget	Notes
Major Water Treatment Equipment: First Diversion	65,178.57	43,452.38	
Major Water Treatment Equipment: RWSS Kent	16,493.06	10,995.37	This fund is available for large capital costs that are shared, but unknown at the time of budgeting.
Major Water Treatment Equipment: RWSS Covington	16,493.06	10,995.37	
Major Water Treatment Equipment: RWSS Lakehaven	16,493.06	10,995.37	
Major Water Treatment Equipment: RWSS Tacoma	35,342.26	23,561.51	
Total Major Water Treatment Equipment	150,000.00	100,000.00	
Watershed Betterments: First Diversion	47,145.83	47,145.83	Uses Water Treatment Facilities Capital Projects Cost Share
Watershed Betterments: RWSS Kent	11,929.98	11,929.98	The following projects are planned for 2017/2018: Rock development and crushing - 110K 3703 Road-Culverts .47, .8, 1.19 - 40K 5530 Road-Culvert .57 - 15K 5900 Road-Culvert 3.87 - 12K 550 Road-Culvert - 20K Security Cameras - 20K
Watershed Betterments: RWSS Covington	11,929.98	11,929.98	
Watershed Betterments: RWSS Lakehaven	11,929.98	11,929.98	
Watershed Betterments: RWSS Tacoma	25,564.24	25,564.24	
Total Watershed Betterments	108,500.00	108,500.00	
HCP Culvert Replacement: First Diversion	37,777.78	-	30 fish passage barrier corrections have been completed including Cottonwood Creek, Olson Creek, 5530 Road at the 1.68 mile marker, 5530 Road at the 3.34 mile marker, 5530 Road at the 6.09 mile marker, and W. Frk Charlie Creek. Only Piling Creek and Upper Airstrip Creek remain to be completed.
HCP Culvert Replacement: RWSS Kent	9,182.10	-	
HCP Culvert Replacement: RWSS Covington	9,182.10	-	
HCP Culvert Replacement: RWSS Lakehaven	9,182.10	-	
HCP Culvert Replacement: RWSS Tacoma	19,675.93	-	
Total HCP Culvert Replacement	85,000.00		
RWSS Watershed Tools and Equipment: First Diversion	21,726.19	21,726.19	The estimated costs for this biennial budget request is based on the following anticipated needs: * Snowmobiles: \$30,000 * Sander and Plow for Dump Truck: \$24,000 * Fire Tank: \$19,000 * Mower: \$14,000 * Bucket attachments for backhoe and Bobcat: \$9,000 * Misc. Watershed Tools and Equipment: \$4,000 Total: \$100,000
RWSS Watershed Tools and Equipment: RWSS Kent	5,497.69	5,497.69	
RWSS Watershed Tools and Equipment: RWSS Covington	5,497.69	5,497.69	
RWSS Watershed Tools and Equipment: RWSS Lakehaven	5,497.69	5,497.69	
RWSS Watershed Tools and Equipment: RWSS Tacoma	11,780.75	11,780.75	
RWSS Watershed Tools and Equipment	50,000.00	50,000.00	
Smay Creek Forest Road Crossing: First Diversion	170,266.67	-	The project will design, permit, and construct a soft streambank armoring feature on the right bank of Smay Creek to prevent the creek from circumventing the western bridge. The armoring will consist of a log crib structure using large woody material salvaged from Howard Hanson Reservoir or elsewhere in the watershed. Design and permit submittal will be completed in 2016 with final permitting and construction occurring in 2017.
Smay Creek Forest Road Crossing: RWSS Kent	41,384.26	-	
Smay Creek Forest Road Crossing: RWSS Covington	41,384.26	-	
Smay Creek Forest Road Crossing: RWSS Lakehaven	41,384.26	-	
Smay Creek Forest Road Crossing: RWSS Tacoma	88,680.56	-	
Smay Creek Forest Road Crossing	383,100.00		
HHD Additional Storage Project: RWSS Kent	15,555.56	15,555.56	For 2017 we do not anticipate needing anymore funds than the \$50k identified to cover staff time associated with tracking and responding to NMFS work on the Biological Opinion. The latter half of 2017 and moving into 2018 may constitute a defense of the existing cost share or staff time on design of a fish passage design. Based on the pace of the work to date, we believe the additional \$80k for 2017 is appropriate again to cover staff time for what we know.
HHD Additional Storage Project: RWSS Covington	15,555.56	15,555.56	
HHD Additional Storage Project: RWSS Lakehaven	15,555.56	15,555.56	
HHD Additional Storage Project: RWSS Tacoma	33,333.33	33,333.33	
Total HHD Additional Storage Project	80,000.00	80,000.00	
Friends of the Green River Agreement: RWSS Kent	23,916.67	-	Although work to close-out the FOG financial commitment is occurring, there is substantial uncertainty that an amendment to the FOG will be completed by the end of 2016.
Friends of the Green River Agreement: RWSS Covington	23,916.67	-	
Friends of the Green River Agreement: RWSS Lakehaven	23,916.67	-	
Friends of the Green River Agreement: RWSS Tacoma	51,250.00	-	
Total Friends of the Green River Agreement	123,000.00		
RWSS North Fork Wells Control Valves: First Diversion	137,777.78	137,777.78	The replacement of each of the 6 well's Cla-Val with an electrically actuated valve and addition of a check valve will reduce the risk of the pumps from failing due a motor rotating backwards. Uses North Fork Capital cost share per motion.
RWSS North Fork Wells Control Valves: RWSS Kent	33,487.65	33,487.65	
RWSS North Fork Wells Control Valves: RWSS Covington	33,487.65	33,487.65	
RWSS North Fork Wells Control Valves: RWSS Lakehaven	33,487.65	33,487.65	
RWSS North Fork Wells Control Valves: RWSS Tacoma	71,759.26	71,759.26	
RWSS North Fork Wells Control Valves	310,000.00	310,000.00	
RWSS North Fork 7 Motor: First Diversion	133,333.33	-	
RWSS North Fork 7 Motor: RWSS Kent	32,407.41	-	
RWSS North Fork 7 Motor: RWSS Covington	32,407.41	-	
RWSS North Fork 7 Motor: RWSS Lakehaven	32,407.41	-	
RWSS North Fork 7 Motor: RWSS Tacoma	69,444.44	-	
RWSS North Fork Well #7 Motor	300,000.00		
Connection to USACE Early Warning System at Howard Hanson Dam: First Diversion	16,946.43	-	A connection to the USACE early warning system would provide TW operators with advance knowledge of any problems with the Howard Hanson Dam or with any difficulties with the delivery of water through the Howard Hanson Dam. This advance notice would allow TW operators an opportunity they currently don't have to make adjustments to the diversion of water into the TW Intake or changes to the operations of the Filtration Facility. A significant benefit of knowing the dam is experiencing trouble is that TW operators can shut down the system to prevent damage to the filtration facility and, if necessary, shut down the pipelines.
Connection to USACE Early Warning System at Howard Hanson Dam: RWSS Kent	4,288.19	-	
Connection to USACE Early Warning System at Howard Hanson Dam: RWSS Covington	4,288.19	-	
Connection to USACE Early Warning System at Howard Hanson Dam: RWSS Lakehaven	4,288.19	-	
Connection to USACE Early Warning System at Howard Hanson Dam: RWSS Tacoma	9,188.99	-	
Connection to USACE Early Warning System at Howard Hanson Dam	39,000.00		
First Diversion Tacoma	630,152.58	250,102.18	
RWSS Kent	194,142.55	77,466.24	
RWSS Covington	194,142.55	77,466.24	
RWSS Lakehaven	194,142.55	77,466.24	
RWSS Tacoma	416,019.76	165,999.09	
Total RWSS Shared Capital	1,628,600.00	648,500.00	