

Replacement Projects 11-1-16 to 10-31-17

Project	Location	Estimated Cost	30-Apr-17 Actual Cost	TYPE OF PIPE TO BE REPLACED						
1 CRM RPL ANACORTES BARE STEEL	MT. VERNON	\$3,356,853	\$1,315,473	BARE STEEL/PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP						
2 CRM RPL LONGVIEW BARE STEEL	LONGVIEW	\$2,266,946	\$117,274	BARE STEEL/PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP						
3 CRM VANCE CREEK EXPOSURE REPLACE	ABERDEEN	\$245,721	\$245,721	EXPOSED PIPE (CORROSION) IN ADDITION TO MODERATE (ORANGE) RISK IN DIMP						
4 CRM CAMP CREEK EXPOSURE REPLACEMENT	ABERDEEN	\$246,080	\$246,080	EXPOSED PIPE (CORROSION) IN ADDITION TO MODERATE (ORANGE) RISK IN DIMP						
<b>5 CRM 3" BURLINGTON HP LINE REPLACEMENT</b>	<b>MT. VERNON</b>	<b>\$2,181,189</b>	<b>\$1,444,694</b>	<b>PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP</b>						
<b>6 CRM BELLINGHAM BRIDGE CROSSINGS RMV</b>	<b>BELLINGHAM</b>	<b>\$46,627</b>	<b>(\$29,107)</b>	<b>PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP</b>						
7 CRM KELSO GRADE ST BRIDGE RELOCATE	LONGVIEW	\$137,791	\$83,820	EXPOSED PIPE SUSCEPTIBLE TO CORROSION RISK - MODERATE (ORANGE)						
8 2 IN STEEL IP BORE BELFAIR PL	KENNEWICK	\$181,638	\$181,638	MODERATE (ORANGE) RISK IN DIMP						
9 CRM 6" NOB HILL REPLACEMENT	YAKIMA	\$97,169	\$58,013	IDENTIFIED HIGH (RED) RISK IN DIMP						
10 KENNEWICK RR CROSS NEAR KAMIAKIN	KENNEWICK	\$70,698	(\$7,394)	MODERATE (ORANGE) RISK IN DIMP						
11 CRM RPL 12" Steel HP, Kelso	KELSO	\$1,900,838								
12 CRM Shelton Pipe Replacement	SHELTON	\$1,364,034	\$20,142							
13 Vance Creek Replacement (#2)	ABERDEEN	\$624,725	\$624,725							
14 CRM RPL 2" STL MN - Bellingham	BELLINGHAM	\$182,239	\$20,114							
15										
16										
17										
18										
19										
20 Total Estimated Replacement Cost		\$12,902,548	\$4,321,194							
				<b>Schedule</b>	<b>Schedule</b>	<b>Schedule</b>	<b>Schedule</b>	<b>Schedule</b>	<b>Schedule</b>	
				<b>502/503</b>	<b>504</b>	<b>541</b>	<b>505/512</b>	<b>511</b>	<b>570/577</b>	<b>663</b>
38 Rate Base Allocation from UG-152286 Company COS		\$269,194,121	\$126,742,143	\$65,362,490	\$6,946,804	\$4,640,252	\$749,893	\$64,752,539		
39 Percentage		100.00%	47.08%	24.28%	0.00%	2.58%	1.72%	0.28%	24.05%	
40 Total Investment	Ln 20	12,902,548								
41 Depreciation Expense - Rate 2.58%	Ln 40* 2.58%	332,886	332,886							
42 Accumulated Depr. (Avg)	Ln 41 / 2	166,443								
43 Accum Tax depreciation	Ln 40 *3.75%	483,846								
44 Deferred Tax	(Ln 43 - Ln 41) * .35	52,836								
45 Accum Def Tax (Avg)	Ln 44 / 2	26,418								
46 FIT	Ln 41* .35		116,510							
47 Interest Coordination Adj (Rate Base x Weighted Cost of Debt (2.6475%) x 35% FIT)			117,771							
48 Rate Bate	Ln 20 - Ln 42 - Ln 45	12,709,687								
49 Authorized ROR from UG-152286		7.35%								
50 NOI	((Ln 48 * Ln 49) + Ln 37) and (Ln 41 - Ln 46-Ln 47)	\$934,162	\$98,605							
51 Total NOI	Sum Ln 50	\$1,032,767								
52 Conversion Factor in UG-152286		0.62095								
53 Revenue Requirement (Current Year Investment)	Ln 51 / Ln 52	\$1,663,204								
Previous Year Revenue Requirement		\$1,866,216								
54 Total Revenue Requirement	Ln 53	\$3,529,420								
Less UG-160788 Revenue Requirement		\$1,921,720								
Increase in Revenue Requirement		\$1,607,700								
55 Allocation Rev Req to Schedules	Ln 54 * Ln 39		\$1,661,724	\$856,971	\$0	\$91,080	\$60,839	\$9,832	\$848,974	
56 Weather Normalized 2016 Volumes			119,055,109	82,468,894	0	10,820,728	10,315,598	3,923,308	441,939,805	
57 Rate Charge	Ln 55 / Ln 56		\$0.01396	\$0.01039		\$0.00842	\$0.00590	\$0.00251	\$0.00192	
58 2016 Commission Basis Total Revenue			\$215,674,763							
59 Percentage Increase in Revenue	(Ln 54 / Ln 58		0.75%							

Project	Location	Estiminated Cost	30-Sep-16	
			Actual Cost	TYPE OF PIPE TO BE REPLACED
1 CRM RPL ANACORTES BARE STEEL	MT. VERNON	\$1,798,156	\$765,957	BARE STEEL/PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
2 CRM RPL LONGVIEW BARE STEEL	LONGVIEW	\$4,832,016	\$3,179,193	BARE STEEL/PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
3 CRM VANCE CREEK EXPOSURE REPLACE	ABERDEEN	\$331,186		EXPOSED PIPE (CORROSION) IN ADDITION TO MODERATE (ORANGE) RISK IN DIMP
4 CRM CAMP CREEK EXPOSURE REPLACEMENT	ABERDEEN	\$336,962		EXPOSED PIPE (CORROSION) IN ADDITION TO MODERATE (ORANGE) RISK IN DIMP
5 CRM 3" BURLINGTON HP LINE REPLACEMENT	MT. VERNON	\$0	\$0	PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
6 CRM WENATCHEE RIV RR BRIDGE RPL	WENATCHEE	\$1,260,101	\$1,260,101	PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
7 CRM 4" GRANDVIEW HP LINE #3 RPL	YAKIMA	\$1,830,674	\$1,830,674	PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
8 CRM BELLINGHAM BRIDGE CROSSINGS RMV	BELLINGHAM	\$444,862	\$414,862	PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
9 CRM KELSO GRADE ST BRIDGE RELOCATE	LONGVIEW	\$0	\$0	EXPOSED PIPE SUSCEPTIBLE TO CORROSION RISK - MODERATE (ORANGE)
CRM BREMERTON HWY3 CASING REMOVAL	BREMERTON	(\$955)	(\$955)	
10 CRM COLLEGE PLACE CARS PROJECT	WALLA WALLA	\$1,413,798	\$1,413,798	MODERATE (ORANGE) RISK IN DIMP
11 2 IN STEEL IP BORE BELFAIR PL	KENNEWICK	\$0	\$0	MODERATE (ORANGE) RISK IN DIMP
12 CRM 6" NOB HILL REPLACEMENT	YAKIMA	\$0		IDENTIFIED HIGH (RED) RISK IN DIMP
13 KENNEWICK RR CROSS NEAR KAMIAKIN	KENNEWICK	\$36,210		MODERATE (ORANGE) RISK IN DIMP
14 CRM SHELTON 4" IP BRIDGE REPLACEMENT	ABERDEEN	\$203,105	\$203,105	EXPOSED PIPE (CORROSION) IN ADDITION TO MODERATE (ORANGE) RISK IN DIMP
15 CRM SUNNYSIDE 2" IP MAIN RPL	YAKIMA	\$42,317	\$42,317	PROJECT WILL REPLACE HOUSE PIPING SERVING MULTIPLE BUILDINGS
16 CRM KELSO MILL STREET REPLACEMENT	LONGVIEW	\$173,302	\$173,302	BARE STEEL/PRE-CNG PIPE - IDENTIFIED HIGH (RED) RISK IN DIMP
17 CRM REL ZILLAH @ MEYERS BRIDGE RD	YAKIMA	\$2,054,264	\$2,054,234	HIGH (RED) RISK IN DIMP
18 4" HP SHORTED CASING - 1ST & PARK	ABERDEEN	\$152,025	\$152,025	HIGH (RED) RISK IN DIMP
19				
20 Total Estimated Replacement Cost		\$14,908,023	\$11,488,613	
28 Total Investment	Ln 25	14,908,023		
29 Depreciation Expense - Rate 2.58%	Ln 28* 2.58%	384,627	384,627	
30 Accumulated Depr. (Avg)	Ln 29 / 2 + 1st yr depr	576,941		
31 Accum Tax depreciation	See Calc Below	1,097,156		
32 Accum Deferred Tax (Avg)	(Ln 31 - Ln 30) * .35	182,075		
33 Interest Coordination Adj (Rate Base x Weighted Cost of Debt x FIT)			131,133	
34 FIT	Ln 29 * .35		134,619	
35 Rate Bate		14,149,008		
36 Authorized ROR from UG-152286		7.35%		
37 NOI	(Ln 35 * Ln 36) and (Ln 29 - Ln 34 - Ln 33)	\$1,039,952	\$118,875	
38 Total NOI	(Ln 35 * Ln 36) + (Ln 29 - Ln 34 - Ln 33)		\$1,158,827	
39 Conversion Factor from UG-152286			0.62095	
40 Revenue Requirement	Ln 21 / Ln 22		\$1,866,216	
				Accum
	Bonus		0	0
Tax Depreciation	Year 1	3.750%	559,051	559,051
	Year 2	7.219%	1,076,210	538,105
				1,097,156