

### Initial 2017 CSI Project Prioritization Recommendation

**Yellow** = High Priority   **Green** = Medium Priority   **White** = Low Priority

Project Name	In 2007 CSI Program Update	Estimated Total Project Cost (M 2016\$)	Sewered Area Growth (2010 to 2030)	Sewered Population Growth (2010 to 2030)	Pk 20-yr Flow 2010 <i>mgd</i>	Pk 20-yr Flow 2030 <i>mgd</i>	Pk 20-yr Flow Increase (2010 to 2030)	Level of Service 2010	Level of Service 2030	O&M Issues
North Lake Washington Planning Area										
North Creek Trunk Storage and Replacement (2 Phases)	Yes	P1=25.6/P2=51.7 <sup>1</sup>	30.8%	24.0%	23.6	29.4	24.9%	6-10 years	2-5 years	Y
Swamp Creek Trunk Extension Replacement	Yes	15.3	38.5%	39.6%	15.3	20.3	32.8%	11-20 years	2-5 years	N
Lake Ballinger Storage	No	74.9	1.4%	35.5%	16.9	19.4	14.7%	11-20 years	2-5 years	N/A <sup>2</sup>
McAler Creek Trunk Replacement	No	3.85	2.4%	35.0%	18.0	21.8	21.3%	11-20 years	6-10 years	N
Hidden Lake Planning Area										
Richmond Beach Pump Station Upgrade	Yes	29.8	2.7%	32.6%	15.9	18.2	14.1%	<2 years	< 2 years	Y
Richmond Beach Force Main Parallel	Yes	11.1	2.7%	32.6%	15.9	18.2	14.1%	6-10 years	2-5 years	UNK <sup>3</sup>
Richmond Beach – Edmonds Interceptor Parallel	Yes	12.4	4.5%	33.0%	16.9	19.4	14.8%	<2 years	< 2 years	N
Boeing Creek Trunk Replacement and Parallel	Yes	8.35	2.7%	32.6%	8.0	9.3	15.3%	2-5 years	< 2 years	N
Hidden Lake Pump Station Upgrade	No	8.96	1.5%	42.6%	8.4	9.5	13.8%	6-10 years	2-5 years	N
Hidden Lake Force Main Replacement	No	5.61	1.5%	42.6%	8.4	9.5	13.8%	6-10 years	2-5 years	UNK <sup>3</sup>
Northwest Lake Washington Planning Area										
Thornton Creek Trunk Replacement and Diversion	Yes	33.9	0.5%	17.2%	60.1	68.2	13.4%	<2 years	< 2 years	N
North Lake City Trunk Replacement, Realignment, and Rehabilitation	No	44.1	0.3%	18.6%	42.1	47.8	13.5%	11-20 years	6-10 years	Y
Northeast Lake Washington Planning Area										
Medina Trunk Replacement	Yes	12.2	1.9%	16.6%	6.4	7.3	14.1%	6-10 years	2-5 years	N
Medina Siphon Replacement	Yes	11.8	1.9%	16.6%	6.7	8.0	19.2%	6-10 years	2-5 years	UNK <sup>3</sup>
Factoria Trunk Diversion	Yes	15.4	10.9%	10.8%	5.7	6.6	15.6%	6-10 years	2-5 years	N
Lake Hills Interceptor Replacement	No	62.1	23.7%	31.9%	39.3	50.2	27.7%	11-20 years	2-5 years	Y
North Mercer Pump Station Upgrade	Yes	7.68	0.8%	17.8%	7.8	8.9	13.4%	11-20 years	6-10 years	N
Kirkland Pump Station Upgrade	No	10.8	0.4%	27.5%	8.8	10.0	13.7%	>20	11-20 years	N
Medina Pump Station Upgrade	No	10.6	1.9%	16.6%	9.2	10.4	14.1%	>20	>20	Y
Yarrow Bay Pump Station Replacement	No	16.3	0.9%	32.8%	5.9	6.7	14.2%	2-5 years	2-5 years	Y
Sweyolocken Pump Station Upgrade	No	9.37	1.4%	43.6%	17.9	20.7	15.8%	>20	>20	N
Eastside Interceptor Section 8 Storage	No	101	13.0%	34.0%	147.0	176.0	19.8%	>20	>20	N
South Lake Sammamish Planning Area										
Sammamish Plateau Diversion Phase 2	Yes	194	71.8%	49.6%	21.1	29.6	40.1%	>20	11-20 years	N/A <sup>4</sup>
Eastgate Trunk Replacement	Yes	7.06	31.8%	36.3%	22.4	31.7	41.5%	>20	6-10 years	Y
Issaquah Interceptor Section 2 Replacement	Yes	3.42	34.7%	47.3%	4.1	5.5	32.7%	>20	>20	N
Issaquah Highlands Storage	Yes	6.22	21.3%	41.7%	4.3	5.2	21.2%	>20	>20	N
South Lake Washington Planning Area										
Eastside Interceptor Section 1 Replacement	No	195	13.9%	31.8%	196.1	234.2	19.4%	11-20 years	6-10 years <sup>5</sup>	N
Bryn Mawr Trunk Storage	Yes	20.5	2.6%	17.8%	13.3	15.2	13.8%	11-20 years	11-20 years	N
Cedar River Interceptor Section 2 Replacement	No	7.74	29.8%	31.7%	26.0	31.7	21.5%	>20	11-20 years	N

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Cedar River Interceptor Section 1 Replacement	No	15.9	29.4%	31.8%	27.3	33.2	21.6%	>20	>20	N
North Green River Planning Area										
Tukwila Freeway Crossing Replacement	No	22.8	10.1%	33.1%	9.4	10.8	14.4%	2-5 years	<2 years	N
Tukwila Interceptor Replacement	No	27.2	15.6%	62.1%	11.7	14.3	21.6%	>20	11-20 years	N
South Renton Trunk Replacement	Yes	8.63	12.5%	19.0%	5.6	6.6	17.9%	>20	>20	N
Rainier Vista Interceptor South Replacement	No	3.73	8.8%	32.2%	7.7	9.1	17.4%	>20	>20	N
North Soos Creek Trunk Replacement	No	5.95	35.9%	54.9%	2.7	3.5	30.8%	>20	>20	N
South Green River – Kent										
Garrison Creek Interceptor Replacement, Realignment, and Diversion	Yes	49.2	18.7%	40.0%	8.2	10.0	21.6%	2-5 years	2-5 years	Y
Auburn Interceptor Sections 1, 2, and 3 Replacement	Yes	255	44.8%	36.1%	50.7	71.4	41.0%	>20	>20	Y
South 277 <sup>th</sup> Interceptor Replacement	No	7.43	#N/A	#N/A	20.9	30.3	45.2%	>20	>20	N
West Hill Trunk Diversion	No	6.63	16.4%	19.2%	9.7	11.4	17.4%	11-20 years	6-10 years	N
South Green River – Soos Creek										
Black Diamond Pump Station Upgrade	Yes	1.37	<10%	<10%	0.4	0.9	108.0%	>20	>20	Y
Black Diamond Trunk Storage and Replacement (2 Phases)	Yes	P1=22.2/P2=60.3 <sup>1</sup>	214.6%	156.0%	1.9	3.9	108.0%	11-20 years	<2 years	N
Notes: 1. P1 = Total Cost Estimate for Phase 1, P2 = Total Cost Estimate for Phase 2. 2. Storage Project would not result in opportunity to coordinate with O&M needs therefor not applicable. 3. No facility condition available due to lack of access to inspect facility. 4. Proposed project to address need would install pipe in area where not WTD asset currently exists therefore O&M needs are not applicable. 5. After ESI Section 8 Storage is on-line 2030 capacity increases to 11-20 years.										