

14797

Attachment D, dated 11-24-03
 Wastewater Treatment Capital Improvement Program
 Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
4616	Wastewater Treatment								
A20010 South Treatment Plant - Asset Mgmt									
2004-35	South Plant Daft Tank Restora		0	227,690	268,571	264,289	0	0	760,550
2004-62	Space Planning Year 3 Phase		0	133,822	158,178	1,059,093	1,389,642	88,098	2,828,833
423485	Treatment Plant Landscape U	2,498	0	0	0	0	0	0	2,498
423514	WTD Corrosion Prevention	0	129,255	230,647	199,333	200,000	200,000	200,000	959,235
423565	South Plant Aeration Manifold	0	0	0	0	0	0	0	0
423567	Structural Repairs to Earthqua	433,470	7,444	0	0	0	0	0	440,914
423573	STP Convert Disinfection from	2,883,394	2,030,319	1,168,814	70,000	0	0	0	6,152,527
423574	STP Fire Alarm System Upgrad	2,691,875	3,234,637	237,420	0	0	0	0	6,163,932
Subtotal			6,011,237	5,763,167	2,063,630	1,592,715	1,589,642	288,098	17,308,489
A20020 South Treatment Plant - New Facilities & Improvement									
2004-61	Space Planning Year 2 Phase		0	668,989	3,321,017	4,453,392	758,803	0	9,202,201
2004-86	South Plant Odor Improvemer	272,160	307,228	3,281,439	289,383	0	0	0	4,150,210
423408	Fuel Cell Demonstration Projec	0	333,463	79,974	417	0	0	0	413,854
423548	STP Cogen	5,392,012	9,673,499	658,557	0	0	0	0	15,724,068
423571	Digestion Enhancement/Full-s	141,667	12,500	0	0	0	0	0	154,167
423572	STP Dewatering Equipment Re	1,822,387	2,678,263	0	0	0	0	0	4,500,650
Subtotal			7,628,226	13,673,942	7,340,987	4,743,192	758,803	0	34,145,150
A20040 South Treatment Plant - Asset Mgmt									
423234	EDRP - Power Equipment Rep		1,521,656	1,967,236	1,081,821	2,923,893	153,846	0	7,648,452
Subtotal			1,521,656	1,967,236	1,081,821	2,923,893	153,846	0	7,648,452
Total A20000 South Treatment			15,161,119	21,404,345	10,486,438	9,259,800	2,502,291	288,098	59,102,091
A20110 West Treatment Plant - Asset Mgmt									
423305	WTP - Stepping Power Factor	25,754	0	0	0	0	0	0	25,754
423323	WTP - Process Safety Manag	53,743	0	0	0	0	0	0	53,743
423328	WTP - Digester Cleaning Syst	14,647	0	0	0	0	0	0	14,647
423334	WTP - Sump Pump Wiring Mo	405,774	450,646	6,493	0	0	0	0	862,913
423341	PLC Replacements	497,167	167,784	0	0	0	0	0	664,951
423351	WTP Community One-time Mit	0	0	0	0	0	0	0	0
423352	WTP Regional One-time Mitig	500,000	0	0	0	0	0	0	500,000

Attachment D, dated 11-24-03
Wastewater Treatment Capital Improvement Program
Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
	423417	Grif System Improvements	11,242,234	4,191,801	1,885,344	3,149,387	5,924,202	949,551	27,342,519
	423461	WPIP Clarifier Painting/Coatir	0	315,557	404,843	0	0	0	720,400
	423561	WPIP Digester Compressor Sys	648,072	543,921	1,450	0	0	0	1,193,443
		Subtotal	13,387,391	5,669,709	2,298,130	3,149,387	5,924,202	949,551	31,378,370
A20120 West Treatment Plant - New Facilities & Improvements									
	2004-18	Disinfection Conversion from C	0	514,339	2,874,802	2,538,935	888,725	0	6,816,801
	2004-60	Space Planning Year 1 Phase	108,946	783,983	803,112	4,905	0	0	1,700,946
	2004-85	West Point Odor Improvement	268,700	400,000	156,970	0	0	0	825,670
	423163	Applied Wastewater Technolo	405,296	405,296	405,296	405,296	405,296	402,742	2,429,222
		Subtotal	782,942	2,103,618	4,240,180	2,949,136	1,294,021	402,742	11,772,639
A20140 West Treatment Plant - Power Mgmt									
	423306	WPIP - Plant Electrical Power I	40,000	37,000	0	0	0	0	77,000
	423314	WPIP - Uninterruptable Power	75,861	0	0	0	0	0	75,861
	423426	Power Reliability Improvement	0	163,362	135	0	0	0	163,497
	423474	WTP West Point Cogen Upgra	4,174,819	6,969,293	0	0	0	0	11,144,112
		Subtotal	4,290,680	7,169,655	135	0	0	0	11,460,470
		Total A20100 West Treatment Pl	18,461,013	14,942,982	6,538,445	6,098,523	7,218,223	1,352,293	54,611,479
A20220 Brightwater Treatment Plant - New Facilities & Improvements									
	423457	Brightwater Marine Outfall	2,070,269	2,030,261	4,703,859	4,085,417	1,817,500	21,447,389	36,154,695
	423484	Brightwater Treatment Plant	113,322,229	50,690,530	60,131,841	83,752,456	86,707,940	72,227,206	466,832,202
	423575	Brightwater Conveyance	63,177,066	69,837,992	96,339,859	125,807,308	104,610,420	98,886,058	558,658,703
		Subtotal	178,569,564	122,558,783	161,175,559	213,645,181	193,135,860	192,560,653	1,061,645,600
		Total A20200 Brightwater Treatment Plant - New Fac	178,569,564	122,558,783	161,175,559	213,645,181	193,135,860	192,560,653	1,061,645,600
A20320 Vashon Treatment Plant-New Facilities & Improvements									
	423460	VIP Vashon Facility Improvem	3,131,111	3,880,584	0	0	0	0	7,011,695
		Subtotal	3,131,111	3,880,584	0	0	0	0	7,011,695
		Total A20300 Vashon Treatment Pl	3,131,111	3,880,584	0	0	0	0	7,011,695
A20410 Conveyance Pipelines and Storage - Asset Mgmt									
	2004-12	Bellevue Interceptor Pipe Rep	96,293	1,214,083	488,320	427	0	0	1,799,123

Attachment D, dated 11-24-03
Wastewater Treatment Capital Improvement Program
Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
	423082	Lake Hills Remediation Project	10,000	0	0	0	0	0	10,000
	423121	Madsen Creek Erosion & Sewer	0	26,419	19,000	5,890	124,347	115	175,771
	423363	Auburn Facilities Assessment	0	1,461,588	3,962,060	1,173,746	1,928,731	190,586	8,716,711
	423524	S.W. Lk. Wa. Int. Rehabilitation	0	112,445	741,113	12,272	0	0	865,830
		Subtotal	106,293	2,814,535	5,210,493	1,192,335	2,053,078	190,701	11,567,435
		A20420 Conveyance Pipelines and Storage - New Facilities & Improvements							
	2004-81	SW Interceptor (2004-03)	242,751	5,816,322	6,717,095	12,389,504	50,393,425	72,114,575	147,673,672
	2004-82	Soos Creek Pump Station D	755,420	2,458,904	5,080,212	6,961,719	6,961,719	6,659,048	28,877,022
	423107	Mill Creek Relief Sewer	0	0	0	0	0	0	0
	423122	South Interceptor Phase I-III	227,442	0	0	0	0	0	227,442
	423345	Wilburton Siphon Odor Control	0	58,606	395,278	1,718,817	0	0	2,172,701
	423346	Auburn Facilities Acquisition	22,500	22,500	22,500	22,500	22,500	22,500	135,000
	423373	RWSP Conveyance System Im	15,316,865	10,065,647	13,380,279	19,786,931	19,467,745	50,936,004	128,953,471
	423420	ESI Section 1 Capacity Restor	0	0	0	0	0	0	0
	423519	North Creek Storage Facility	0	0	0	0	0	0	0
	423520	Tukwila Interceptor/Freeway	0	380,494	384,943	417,930	1,472,950	1,794,772	4,451,089
	423557	Carnation Treatment Plant	1,851,079	3,688,593	4,964,614	410,985	0	0	10,915,271
		Subtotal	18,416,057	22,491,066	30,944,921	41,708,386	78,318,339	131,526,899	323,405,668
		A20430 Conveyance Pipelines and Storage - Odor Control							
	423269	ESI Lining Program H2S Repair	158,889	1,663,153	165,071	0	0	0	1,987,113
	423439	Fremont Siphon Odor Control	1,242,043	0	0	0	0	0	1,242,043
	423468	ESI Chemical Injection	179,534	316,585	0	0	0	0	496,119
	423527	EBI Odor Study	80,000	2,083	0	0	0	0	82,083
	423568	North Creek Force Main Disch	248,706	71,192	4,375	0	0	0	324,273
		Subtotal	1,909,172	2,053,013	169,446	0	0	0	4,131,631
		Total A20400 Conveyance Pipelines and	20,431,522	27,358,614	36,324,860	42,900,721	80,371,417	131,717,600	339,104,734
		A20510 Conveyance Pump Station - Asset Mgmt							
	423135	Interbay Pump Station	2,541,866	2,732,839	3,808,614	392,196	1,340	0	9,476,855
	423303	Sweyolocken PS - Pump, Mot	0	3,710,907	1,819,468	1,507	0	0	5,531,882
	423562	Matthews Beach PS/Force M	2,274,770	4,422,240	78,667	0	0	0	6,775,677
	423563	East Offsite Control Systems &	665,415	1,132,507	631,619	582,785	48,565	0	3,060,891
	423564	Barfion, Murray, 53rd Avenue,	0	1,016,867	412,500	20,833	0	0	1,450,200
		Subtotal	5,482,051	13,015,360	6,750,868	997,321	49,905	0	26,295,505

Attachment D, dated 11-24-03
Wastewater Treatment Capital Improvement Program
Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
		A20520 Conveyance Pump Station - New Facilities & Improvements							
	423365	Hidden Lake PS/Boeing Creek	1,194,770	10,853,931	11,632,937	13,889	0	0	23,695,527
	423406	Juanita Bay PS - Modifications	15,737,554	7,758,868	7,585,657	5,628,254	0	0	36,710,333
	423407	Kirkland PS - Modifications	0	2,176,678	2,383,760	33,083	0	0	4,593,521
	423494	Fairwood Interceptor (Former)	3,560,131	621,570	0	0	0	0	4,181,701
	423518	Pacific Pump Station	0	483,413	2,036,687	3,729,054	56,170	0	6,305,324
	423521	Bellevue Pump Station	0	5,733,028	6,133,306	3,622,762	0	0	15,489,096
	423549	53rd Street Pump Station Upgr	1,204,278	939,272	309,447	3,300	0	0	2,456,297
		Subtotal	21,696,733	28,566,760	30,081,794	13,030,342	56,170	0	93,431,799
		A20530 Conveyance Pump Station - Odor Control							
	2004-75	King Street Regulator Odor Cd	50,372	70,536	238,057	223,286	0	0	582,251
	2004-76	Pepcon Replacement Study	68,975	5,125	0	0	0	0	74,100
	423219	H2S Odor Control E/W Division	0	0	0	0	0	0	0
	423455	University Regulator Station O	0	510,000	540,000	0	0	0	1,050,000
	423469	Sweyolocken Discharge Odor	5,833	0	0	0	0	0	5,833
		Subtotal	125,180	585,661	778,057	223,286	0	0	1,712,184
		A20540 Conveyance Pump Station - Power Mgmt							
	423154	South Mercer PS - Emergency	200,000	45,633	0	0	0	0	245,633
	423155	Sunset/Heathfield PS - EmERGE	2,500	0	0	0	0	0	2,500
	423236	York PS - Upgrade & Power Re	400,000	979,860	0	0	0	0	1,379,860
	423506	Emergency Generator Progra	2,004,018	2,501,318	542,751	0	0	0	5,048,087
		Subtotal	2,606,518	3,526,811	542,751	0	0	0	6,676,080
		Total A20500 Conveyance Pump St	29,910,482	45,694,592	38,153,470	14,250,949	106,075	0	128,115,568
		A20620 Combined Sewer Overflow - New Facilities & Improvements							
	423001	Denny Way/Lake Union CSO	6,685,090	4,744,907	415,950	0	0	0	11,845,947
	423003	Ravenna Creek Pipeline	0	0	0	0	0	0	0
	423179	Henderson/MLK CSO	0	9,480,098	20,048	0	0	0	9,500,146
	423272	CP&S Swamp Creek Sewer Tru	0	700	0	0	0	0	700
	423350	WCC/Ravenna Creek	0	400,500	400,500	32,604	0	0	833,604
	423441	Year 2005 - CSO Update	0	1,022,861	469,012	0	0	0	1,491,873
	423489	Carkeek Overflow Reduction	0	40,937	0	0	0	0	40,937
	423515	CSO Control & Improvement	0	997,129	2,149,515	2,046,343	3,676,915	7,845,859	16,715,761

Attachment D, dated 11-24-03
Wastewater Treatment Capital Improvement Program
Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
		Subtotal	6,685,090	16,687,132	3,455,025	2,078,947	3,676,915	7,845,859	40,428,968
	A20650	Combined Sewer Overflow Control - Remediation							
	423056	NOAA Misc. Outfall Sediment	0	279,430	0	0	0	0	279,430
	423059	Source Control (In-kind)	0	150,000	0	0	0	0	150,000
	423062	Non-Project Specific - NOAA	0	23,333	833	0	0	0	24,166
	423368	Sediment Management Plan	3,236,312	3,531,298	8,533,176	11,165,824	1,852,947	530,521	28,850,078
		Subtotal	3,236,312	3,984,061	8,534,009	11,165,824	1,852,947	530,521	29,303,674
	Total A20600	Combined Sewer Overflow (C	9,921,402	20,671,193	11,989,034	13,244,771	5,529,862	8,376,380	69,732,642
	A20700	Inflow & Infiltration							
	423297	RWSP Local Systems I/I Control	0	3,071,833	250,000	0	0	0	3,321,833
		Subtotal	0	3,071,833	250,000	0	0	0	3,321,833
		Total A20700 Inflow & Infiltration	0	3,071,833	250,000	0	0	0	3,321,833
	A20810	Biosolids - Asset Mgmt							
	423141	Biosolids Forestry Equipment	1,005,833	451,667	97,500	68,333	68,333	4,167	1,695,833
	423142	Biosolids Agricultural Equipme	31,000	31,000	31,000	31,000	31,000	2,583	157,583
		Subtotal	1,036,833	482,667	128,500	99,333	99,333	6,750	1,853,416
	A20820	Biosolids - New Facilities & Improvements							
	423140	Biosolids Site Development	300,062	300,062	300,062	300,062	300,062	21,167	1,521,477
		Subtotal	300,062	300,062	300,062	300,062	300,062	21,167	1,521,477
		Total A20800 Biosolids Recyclin	1,336,895	782,729	428,562	399,395	399,395	27,917	3,374,893
	A20920	Water Reuse - New Facilities							
	423258	Future Water Reuse	25,000	54,167	0	0	0	0	79,167
	423462	Mill Creek Habitat Restoration	0	0	0	0	0	0	0
	423507	Bear Creek Interceptor Extens	67,500	67,500	67,500	67,500	67,500	67,500	405,000
	423523	RWSP Water/Wastewater Cor	0	100,000	8,333	0	0	0	108,333
	423528	Water Reuse Satellite Facility	6,000,000	0	0	0	0	0	6,000,000
	423533	Normative Flow	32,909	151,161	125,000	10,417	0	0	319,487
		Subtotal	6,125,409	372,828	200,833	77,917	67,500	67,500	6,911,987

Attachment D, dated 11-24-03
Wastewater Treatment Capital Improvement Program
Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
	Total A20900	Water Reuse	6,125,409	372,828	200,833	77,917	67,500	67,500	6,911,987
	A21010	Environmental Laboratory - Asset Mgmt							
	423034	Lab Camp	366,467	338,140	338,140	338,140	338,140	338,140	2,057,167
	423570	Trace Metals ICP-MS	0	0	0	0	0	0	0
	Subtotal		366,467	338,140	338,140	338,140	338,140	338,140	2,057,167
	Total A21000	Environmental Lab	366,467	338,140	338,140	338,140	338,140	338,140	2,057,167
	A21100	Central Functions							
	2004-99	Future Project	0	7,517,000	34,162,000	39,832,000	72,932,000	0	154,443,000
	423086	Water Quality Capital Outlay	343,000	343,000	343,000	343,000	343,000	343,000	2,058,000
	423175	MMIS Implementation	2,440	0	0	0	0	0	2,440
	423311	WTD Financial System Replace	400,070	1,983,963	1,983,963	1,983,963	1,983,963	1,983,963	10,319,885
	423458	Habitat Conservation Program	200,605	1,164,580	800,933	26,059	0	0	2,192,177
	423493	Information Systems	600,981	4,019,218	3,687,136	1,447,736	704,968	0	10,460,039
	423512	Issaquah Hatchery	4,167	0	0	0	0	0	4,167
	423532	ESA Data Management	0	0	0	0	0	0	0
	423550	Freshwater Assessment Progra	2,895,039	2,041,924	607,800	28,747	0	0	5,573,510
	423558	Transfer to SWM Fund 3292 - H	0	229,167	20,833	0	0	0	250,000
	423559	Fall City Assessment Project	0	6,250	0	0	0	0	6,250
	423576	WTD Division-wide Security	0	99,310	0	0	0	0	99,310
	Subtotal		4,446,302	17,404,412	41,605,665	43,661,505	75,963,931	2,326,963	185,408,778
	Total A21100	Central Functions	4,446,302	17,404,412	41,605,665	43,661,505	75,963,931	2,326,963	185,408,778
	A21201	Minor Asset Management - Electric/I&C							
	423551	Electrical/I&C	2,985,746	3,168,506	3,249,384	3,354,366	3,426,667	3,516,667	19,701,336
	Subtotal		2,985,746	3,168,506	3,249,384	3,354,366	3,426,667	3,516,667	19,701,336
	A21202	Minor Asset Management - Mechanical Upgrade & Replacement							
	423552	Mechanical Upgrade & Repld	3,726,559	3,698,582	3,822,077	3,936,739	4,054,842	4,176,488	23,415,287
	Subtotal		3,726,559	3,698,582	3,822,077	3,936,739	4,054,842	4,176,488	23,415,287
	A21203	Minor Asset Management - Odor/Corrosion control							
	423553	Odor/Corrosion Control	651,747	707,573	733,456	755,461	778,125	801,468	4,427,830
	Subtotal		651,747	707,573	733,456	755,461	778,125	801,468	4,427,830

Attachment D, dated 11-24-03
Wastewater Treatment Capital Improvement Program
Proposed Ordinance 2003-0462 - Section 124:

Fund	Project	Description	Total 2004	2005	2006	2007	2008	2009	2004 - 2009
	A21204 Minor Asset Management - Pipeline Replacement								
	423555	Pipeline Replacement	2,188,455	2,401,399	2,280,199	2,409,394	2,487,569	2,562,612	14,329,628
		Subtotal	2,188,455	2,401,399	2,280,199	2,409,394	2,487,569	2,562,612	14,329,628
	A21205 Minor Asset Management - Process Replacement/Improvement								
	423554	Process Replacement/Improv	3,589,416	3,467,917	3,560,277	3,668,711	3,778,772	3,892,135	21,957,228
		Subtotal	3,589,416	3,467,917	3,560,277	3,668,711	3,778,772	3,892,135	21,957,228
	A21206 Minor Asset Management - Structures/Site Improvement								
	423556	Structures/Site Improvement	1,968,685	2,440,372	2,608,298	2,924,944	3,280,350	3,462,012	16,684,661
		Subtotal	1,968,685	2,440,372	2,608,298	2,924,944	3,280,350	3,462,012	16,684,661
	Total A21200 Minor Asset Manager		15,110,608	15,884,349	16,253,691	17,049,615	17,806,325	18,411,382	100,515,970
	Total Wastewater Treatment C		302,971,894	307,007,338	325,259,785	360,979,266	383,439,019	355,466,926	2,036,097,770