

# Water and Sewer Utilities



## Capital Improvement Program

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**City of Kirkland  
2011-2016 Capital Improvement Program**

**WATER/SEWER UTILITY PROJECTS**

**Funded Projects:**

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-16 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
WA 0063+	Supply Station #3 Replacement/Transmission Main Addition		50,000	141,000	50,000				141,000	93,100		47,900	
WA 0090	Emergency Sewer Pgm Watermain Replacement Pgm			251,000	798,500	997,000	50,000		150,000	150,000			
WA 0102+	104th Ave NE Watermain Replacement			371,300		1,265,300			937,000	937,000			
WA 0116+	132nd Av NE/NE 80th St Watermain Replacement								2,314,800	2,314,800			
WA 0121+	NE 109th Ave/106th Court NE Watermain Replacement								371,300	371,300			
WA 8888*	Annual Watermain Replacement Program						500,000	500,000	1,000,000	1,000,000			
WA 9999*	Annual Water Pump Station/System Upgrade Pgm						1,400,000	600,000	1,200,000	1,200,000			
SS 0056	Emergency Sewer Construction Program		1,400,000	680,400	1,400,000	525,000			4,200,000	354,600	4,200,000		
SS 0067*	NE 50th Street Sewermain Replacement (Phase II)				1,159,000	354,600		1,879,700	3,841,800	576,300	3,265,500		
SS 0076*	NE 50th Street Sewermain Replacement (Phase III)								886,000	886,000			
SS 8888*	Annual Sanitary Pipeline Replacement Program			530,000					530,000	530,000			
SS 9999*	Annual Sanitary Pump Station/System Upgrade Pgm												
<b>Total Funded Water/Sewer Utility Projects</b>		<b>0</b>	<b>1,450,000</b>	<b>2,859,700</b>	<b>3,407,500</b>	<b>3,061,900</b>	<b>4,177,500</b>	<b>2,979,700</b>	<b>17,956,300</b>	<b>8,413,100</b>	<b>4,200,000</b>	<b>5,275,300</b>	<b>47,900</b>

**WATER/SEWER UTILITY PROJECTS**

**Unfunded Projects:**

Project Number	Project Title	Total
WA 0052	108th Avenue NE Watermain Replacement	1,584,000
WA 0057	116th Avenue NE Watermain Replacement	2,731,000
WA 0067#	North Reservoir Pump Replacement	611,000
WA 0096	NE 53rd Street Watermain Replacement	450,000
WA 0097*	NE 50th Street Watermain Replacement (Phase III)	1,201,000
WA 0098	126th Ave NE/NE 83rd & 84th St/128th Ave NE Watermain Replcmt	1,197,000
WA 0103*	NE 113th Place/106th Ave NE Watermain Replacement	841,000
WA 0104	111th Ave NE/NE 62nd St/NE 54th St Watermain Replcmt	1,493,000
WA 0109	109th Ave NE/NE 58th St Watermain Replacement	504,000
WA 0111	112th Ave NE Watermain Replacement	1,179,000
WA 0113	NE 46th St/46th/110th/111th Ave NE Watermain Replcmt	1,303,000
WA 0118*	116th Ave NE/NE 70th/NE 80th St Watermain Replcmt	2,858,000
WA 0119	112th-114th Avenue NE/NE 67th-68th Street Watermain Replacement	3,360,100
WA 0120*	109th Ave NE/111th Way NE Watermain Replacement	2,304,000
WA 0122	111th Avenue Watermain Replacement	182,000
WA 0123	116th Avenue NE/NE 100th Street Watermain Replacement	1,506,000
WA 0124*	NE 91st Street Watermain Replacement	453,000
WA 0126#	North Reservoir Outlet Meter Addition	685,000
WA 0127#	650 Booster Pump Station	72,300
WA 0129	South Reservoir Recooling	1,603,000
WA 0130*	11th Place Watermain Replacement	2,395,000
WA 0131#	Supply Station #1 Improvements	981,000
WA 0132	7th Avenue/Central Avenue Watermain Replacement	339,000
WA 0133	Kirkland Avenue Watermain Replacement	61,500
WA 0134	5th Avenue S/8th Street S Watermain Replacement	907,000
WA 0135	NE 73th Street Watermain Replacement	446,000
WA 0136*	NE 74th Street Watermain Replacement	1,420,000
WA 0137*	NE 73rd Street Watermain Replacement	711,000
WA 0138	NE 72nd St/130th Ave NE Watermain Replacement	193,000
WA 0139	6th Street S Watermain Replacement	660,000
WA 0140*	NE 50th Street Watermain Replacement (Phase II)	1,476,000
SS 0051	6th Street South Sewermain Replacement	584,000
SS 0052	108th Avenue NE Sewermain Replacement	2,863,000
SS 0062*	NE 108th Street Sewermain Replacement/Rehabilitation	804,000
SS 0063*	NE 53rd Street Sewermain Replacement	5,110,000
SS 0064*	7th Avenue South Sewermain Replacement	4,405,000
SS 0068	124th Avenue NE Sewermain Replacement	723,000
SS 0069	1st Street Sewermain Replacement	804,000
SS 0070	5th Street Sewermain Replacement	804,000
SS 0071	6th Street Sewermain Replacement	1,315,000
SS 0072	Kirkland Avenue Sewermain Replacement	3,945,000
SS 0073#	Rose Point Sewer Lift Station Replacement	1,354,000
SS 0077	West Of Market Sewermain Replacement	308,000
		1,980,000
		1,811,000
		21,681,000
		<b>83,303,900</b>
		<b>Funding Available from Annual Programs for Candidate Projects</b>
		<b>3,616,000</b>
		<b>Net Unfunded Water/Sewer Utility Projects</b>
		<b>79,687,900</b>

**Notes:**

- \* = Modification in timing and/or cost (see Project Modification Schedule for greater detail)
- + = Moved from unfunded status to funded status
- # = Moved from funded status to unfunded status
- ^ = Annual Watermain or Sanitary Pipeline Replacement Program Project Candidates
- # = Annual Pump Station/System Upgrade Program Project Candidates
- Shaded year(s) = Previous timing
- Bold Italics = New projects



Funded  
Water/Sewer Utility Projects



**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0063 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	SUPPLY STATION #3 REPLACEMENT AND TRANSMISSION MAIN ADDITION		
<b>PROJECT LOCATION</b>	NE 116th Street at 132nd Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2012	Modified Project

**DESCRIPTION/JUSTIFICATION**

Supply Station #3 currently supplies water to the 545 Pressure Zone. Existing station is a small below-grade vault with limited worker space and substantial top hatch entry system, along with many other deficiencies. The replacement project will include a new vault providing for increased worker safety through easier access, proper lighting, space heating and ventilation, and increased space for routine maintenance. This joint facility improvement will require participation by the City of Redmond at their established proportionate share.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project pulled from placeholder Program Project WA 9999 with start date of 2012.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 66 %
	Reserve 0 %
	Grants 0 %
	Other Sources Joint Facility/Redmond 34 %
	Debt 0 %
	Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	23,600	0	0	0	0	23,600	0	23,600
In-House Professional Svcs.	0	0	8,600	0	0	0	0	8,600	0	8,600
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	108,800	0	0	0	0	108,800	0	108,800
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	141,000	0	0	0	0	141,000	0	141,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0063 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	SUPPLY STATION #3 REPLACEMENT AND TRANSMISSION MAIN ADDITION
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction; incidental construction noise during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure and elimination of demand charges by Seattle.</i>
Health and safety, environmental, aesthetic, or social effects	<i>N/A</i>
Responds to an urgent need or opportunity	<i>Represents a timely improvement to the water system infrastructure in three separate pressure zones and is consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time. Risk of demand increases during high need summer months.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>North Rose Hill, City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 15% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0090 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	EMERGENCY SEWER PROGRAM WATERMAIN REPLACEMENT PROGRAM		
<b>PROJECT LOCATION</b>	Various locations throughout the City but primarily within South and North Rose Hill and South and North Juanita Neighborhoods	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Ongoing	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
The replacement of existing watermain and water system appurtenances on an as-needed basis to coincide with the biennial Emergency Sewer Program project.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 100 % Reserve 0 % Grants 0 % Other Sources 0 % Debt 0 % Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	50,000	0	50,000	0	50,000	0	150,000	0	150,000
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	50,000	0	50,000	0	50,000	0	150,000	0	150,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0090 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	EMERGENCY SEWER PROGRAM WATERMAIN REPLACEMENT PROGRAM
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Capitalizes on contractor availability and efficiencies through coordinated construction efforts associated with the biennial Emergency Sewer Program.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	
Benefits to other capital projects	<i>Scheduled to coincide with biennial Emergency Sewer Program in order to correct water system deficiencies, as encountered, during the time of the ESP construction.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0102 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	104TH AVE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 108th Street to NE 113th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2014	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,600 line feet of 4-inch AC line with new 8-inch ductile iron pipe on 104th Avenue NE between NE 108th Street and NE 113th Street. Cost includes half-street overlay.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project pulled from placeholder Program Project WA 8888 with start date of 2014.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 100 % Reserve 0 % Grants 0 % Other Sources 0 % Debt 0 % Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	131,400	0	0	131,400	0	131,400
In-House Professional Svcs.	0	0	0	0	54,200	0	0	54,200	0	54,200
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	751,400	0	0	751,400	0	751,400
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	937,000	0	0	937,000	0	937,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0102 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	104TH AVE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0116 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	132ND AVENUE NE/NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)		
<b>PROJECT LOCATION</b>	NE 80th Street to NE 85th Street /Approximately 124th Avenue NE to 132nd Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2012	Modified Project

**DESCRIPTION/JUSTIFICATION**

This project is the continuation of the 2007 NE 80th St. combined sewer and water project and will meet with the end of that project near 124th Ave NE. Install approximately 2,860 line feet of 20-inch ductile iron pipe from the existing 24-inch ductile iron main at the intersection of 132nd Ave NE and NE 80th to approximately 124th Ave NE. It is to be combined with the NE 80th Street Sewer and Water Main Replacement Project and includes a half-street overlay. This installation is to service the 545 gradient zone only.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Completion year changed from 2013 to 2014. Project costs change from \$3,832,000 to \$2,314,800 due to new cost estimate.

<b>POLICY BASIS</b>
2006 Water Comprehensive Plan

<b>METHOD OF FINANCING (%)</b>	
Current Revenue	100 %
Reserve	0 %
Grants	0 %
Other Sources	0 %
Debt	0 %
Unfunded	0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	175,800	53,400	84,600	0	0	313,800	0	313,800
In-House Professional Svcs.	0	0	75,200	22,900	36,600	0	0	134,700	0	134,700
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	722,200	1,144,100	0	0	1,866,300	0	1,866,300
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	251,000	798,500	1,265,300	0	0	2,314,800	0	2,314,800
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0116 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	132ND AVENUE NE/NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0121 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 109TH STREET/106TH COURT NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	104th Avenue NE to 106th Court NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2012	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 884 line feet of 4-inch AC line with new 8-inch ductile iron pipe along NE 109th Street, between 104th Avenue NE and beyond 106th Court NE, and on 106th Court NE from NE 109th Street to the end of the street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project pulled from placeholder Program Project WA 8888 with start date of 2012.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 100 % Reserve 0 % Grants 0 % Other Sources 0 % Debt 0 % Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	51,000	0	0	0	0	51,000	0	51,000
In-House Professional Svcs.	0	0	21,800	0	0	0	0	21,800	0	21,800
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	298,500	0	0	0	0	298,500	0	298,500
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	371,300	0	0	0	0	371,300	0	371,300
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0121 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 109TH STREET/106TH COURT NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 8888 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL WATERMAIN REPLACEMENT PROGRAM		
<b>PROJECT LOCATION</b>	City-wide	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2015	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replacement of existing watermain and water system appurtenances as required to complete the prioritized watermain projects list contained within the Water Comprehensive Plan Update. Candidate projects under this Annual Program include: WA-0103 - NE 113th Place/106th Ave NE Watermain Replacement, WA 0118 - 112th Avenue NE 114th Avenue NE Watermain Replacement, WA-0120 - 111th Avenue Watermain Replacement, WA 0124 - NE 97th Street Watermain Replacement, WA 0130 - 11th Place Watermain Replacement, WA 0136 - NE 74th Street Watermain Replacement and WA 0137 - NE 73rd Street Watermain Replacement.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Certain projects within this Program have been removed and assigned a specific year. Project timing and costs have been updated. Project total changed from \$457,600 to \$1,000,000.

<b>POLICY BASIS</b>
2006 Water Comprehensive Plan

<b>METHOD OF FINANCING (%)</b>	
Current Revenue	100 %
Reserve	0 %
Grants	0 %
Other Sources	0 %
Debt	0 %
Unfunded	0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	500,000	500,000	1,000,000	0	1,000,000
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	500,000	500,000	1,000,000	0	1,000,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 8888 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL WATERMAIN REPLACEMENT PROGRAM
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Significant disruption to local traffic and minor disruption to pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Projects represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>No</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 9999 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM		
<b>PROJECT LOCATION</b>	City-wide	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2015	Modified Project

**DESCRIPTION/JUSTIFICATION**

The replacement of existing water system appurtenances as required to complete the prioritized system upgrades list contained within the Water Comprehensive Plan Update. Candidate projects under this Annual Program include: WA 0067 - North Reservoir Pump Station Replacement, WA 0126 - North Reservoir Outlet Meter Addition, WA 0127 - 650 Booster Pump Station and WA 0131 - Supply Station #1 Improvements.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Certain projects within this Program have been removed and assigned a specific year. Project timing and costs have been updated. Project total changed from \$823,600 to \$1,200,000.

**POLICY BASIS**

2006 Water Comprehensive Plan

**METHOD OF FINANCING (%)**

Current Revenue	100 %
Reserve	0 %
Grants	0 %
Other Sources	0 %
Debt	0 %
Unfunded	0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	600,000	600,000	1,200,000	0	1,200,000
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	600,000	600,000	1,200,000	0	1,200,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 9999 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Projects represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Projects will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>No</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0056 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	EMERGENCY SEWER CONSTRUCTION PROGRAM		
<b>PROJECT LOCATION</b>	City-wide	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Ongoing	Existing Project

**DESCRIPTION/JUSTIFICATION**

Installation of sewermain extensions to accommodate side sewer connections for properties currently served by septic systems and meeting the program's criteria. City Ordinance No. 3638 directs the need for this project.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

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<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
City Ordinance 3638	Current Revenue 0 %
	Reserve 100 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	230,300	0	229,800	0	229,800	0	689,900	0	689,900
In-House Professional Svcs.	0	115,000	0	115,000	0	114,800	0	344,800	0	344,800
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	1,054,700	0	1,055,200	0	1,055,400	0	3,165,300	0	3,165,300
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	1,400,000	0	1,400,000	0	1,400,000	0	4,200,000	0	4,200,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0056 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	EMERGENCY SEWER CONSTRUCTION PROGRAM
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>It is reasonable to expect vehicular and pedestrian traffic will be temporarily affected in the vicinity of the construction work.</i>
Community economic impacts	<i>Minor disruptions of access to businesses could occur.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Elimination of the failing septic tank systems will positively affect the health of residents in the affected area.</i>
Responds to an urgent need or opportunity	<i>The project is a direct result of the passage of City Ordinance No. 3638 which addresses the need to treat these failing septic systems as emergency situations as they occur and to remedy the problem as soon as possible.</i>
Feasibility, including public support and project readiness	<i>Project has public support and is feasible.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Deferring the project reduces the options available to homeowners in their attempt to remedy a failing septic tank system, including higher construction costs and the detrimental effect to water quality in the vicinity of unremedied septic tank failures.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XI-2</i> How does the project conform to such references? <i>referenced specifically</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 100% (for currently unsewered areas) <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0067 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)		
<b>PROJECT LOCATION</b>	124th Ave NE (north leg) to approximately 128th Ave NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2012	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replace existing 10-inch concrete sewerline with approximately 1,650 line feet of 10-12 inch PVC sewerline. The existing trunk line does not meet current design standards for slope and alignment. Additionally, there are known root intrusion and structural deficiencies which require a greater than average maintenance schedule. This project was originally a part of SS 0050; based on funding levels and the desire to coordinate with the replacement of an existing AC watermain along the alignment of the pipe, this section was delayed to coordinate with watermain replacement - WA 0116.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Total project costs changed from \$7,738,400 to \$2,364,400 due to change in project scope and new cost estimate.

**POLICY BASIS**

Sewer Comprehensive Plan  
*Page 6-28*

**METHOD OF FINANCING (%)**

Current Revenue	15 %
Reserve	0 %
Grants	0 %
Other Sources	0 %
Debt	85 %
Unfunded	0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	184,300	144,900	149,800	0	0	479,000	0	479,000
In-House Professional Svcs.	0	0	70,900	92,200	75,000	0	0	238,100	0	238,100
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	425,200	921,900	300,200	0	0	1,647,300	0	1,647,300
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	680,400	1,159,000	525,000	0	0	2,364,400	0	2,364,400
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0067 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from four to six months), traffic control will be required along NE 80th Street. Noise and congestion should be anticipated by residents and schools adjacent to NE 80th.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan and ranked 16th of 26 City-wide capital projects.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources currently required on the line. This project is Phase III of the NE 80th Street Sewermain Replacement overall project.</i>
Implications of deferring the project	<i>Potential for system failure, possible surcharging, and above average requirement for maintenance and inspection.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XV.G-15 (now Kirkland owns these /</i> How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0076 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 3)		
<b>PROJECT LOCATION</b>	I-405 to approximately 122nd Avenue NE (the terminus of SS 0050)	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2014	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replace existing 10-inch concrete sewerline with approximately 1,150 lf of 10-12 inch PVC sewerline. The existing trunk line does not meet current design standards for slope and alignment. Additionally, there are known root intrusion and structural deficiencies which require a greater than average maintenance schedule. This project was originally a part of SS 0050; based on funding levels and the desire to coordinate with the replacement of an existing AC watermain along the alignment of the pipe, this section was delayed to coordinate with watermain replacement.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Total project costs changed from \$4,877,700 to \$3,841,800 due to new cost estimate. Project start date moved to 2014.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan	Current Revenue 15 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt PWTF 85 %
	Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	243,600	199,300	233,200	676,100	0	676,100
In-House Professional Svcs.	0	0	0	0	91,000	99,600	99,500	290,100	0	290,100
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	1,328,600	1,547,000	2,875,600	0	2,875,600
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	334,600	1,627,500	1,879,700	3,841,800	0	3,841,800
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0076 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 3)
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from four to six months), traffic control will be required along NE 80th Street. Noise and congestion should be anticipated by residents and schools adjacent to NE 80th.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The projects will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources currently required on the line. This project is Phase II of the NE 80th Street Sewermain Replacement overall project.</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, Bridle Trails</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 8888 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM		
<b>PROJECT LOCATION</b>	City-wide	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2012	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Installation of sewermain replacements to improve overall system reliability and to reduce maintenance and I & I (Infiltration and Inflow) costs. Candidate projects under this Annual Program include: SS 0062 - NE 108th St Sewermain Replacement/Rehabilitation, SS 0063 - NE 53rd Street Sewermain Replacement and SS 0064 - 7th Ave S Sewermain Replacement.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Cost adjustment from \$492,100 to \$886,000 due to funding availability.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan	Current Revenue 100 % Reserve 0 % Grants 0 % Other Sources 0 % Debt 0 % Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	886,000	0	0	0	0	886,000	5,439,900	6,325,900
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	886,000	0	0	0	0	886,000	5,439,900	6,325,900
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 8888 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction traffic control will be required. Noise and congestion should be anticipated by residents and motorists in the area.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for I &amp; I, surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The projects will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources currently required on the line.</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>No</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 9999 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM		
<b>PROJECT LOCATION</b>	City-wide	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		2012	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Installation of sewer pump station upgrades to improve overall system reliability and to reduce maintenance costs. Candidate projects under this Annual Program include: SS 0073 - Rose Point Sewer Lift Station Replacement.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>	
Cost adjustment from \$2,686,200 to \$530,000 due to funding availability. The years of 2013 and 2014 were eliminated.	

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan	Current Revenue 100 % Reserve 0 % Grants 0 % Other Sources 0 % Debt 0 % Unfunded 0 %

<b>CAPITAL COSTS</b>	Prior Year(s)	2011	2012	2013	2014	2015	2016	<b>2011-2016 TOTAL</b>	Future Year(s)	<b>Total Project</b>
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0	0
In-House Professional Svcs.	0	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0	0
Construction	0	0	530,000	0	0	0	0	530,000	0	530,000
Computer Hardware/Software	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0
Other Services	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	530,000	0	0	0	0	530,000	0	530,000
<b>NEW MAINT. AND OPER.</b>	0	0	0	0	0	0	0	0	0	0
<b>NEW FTE</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 9999 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction traffic control will be required. Noise and congestion should be anticipated by residents and motorists in the area.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for I &amp; I, surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The projects will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources currently required on the line.</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>No</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20 - 50% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

Unfunded  
Water/Sewer Utility Projects



**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0052 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	108TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 60th Street to NE 68th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 2,620 lf of 8-inch asbestos concrete watermain with new 12-inch ductile iron pipe on 108th Avenue NE, between NE 60th Street and NE 68th Street. The existing watermain serves a large area and system modeling shows that this watermain is at 60% to 69% of desired flow capacity.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	220,000
In-House Professional Svcs.	92,000
Land Acquisition	0
Construction	1,272,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	1,584,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0052 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	108TH AVENUE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Considerable disruption to through (and local) traffic and to pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow capacity.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton, Everest</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0057 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	116TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 85th Street to (approximately) NE 100th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
<p>Replacement of approximately 3,930 lf of 8-inch cast iron and 12-inch asbestos concrete watermain with new 16-inch ductile iron pipe on 116th Avenue NE, between NE 85th Street and approximately NE 100th Street. The existing watermain serves a large area and system modeling shows that this watermain is less than 60% of desired fire flow capacity.</p>	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	378,000
In-House Professional Svcs.	160,000
Land Acquisition	0
Construction	2,193,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>2,731,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0057 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	116TH AVENUE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Considerable disruption to through (and local) traffic and to pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Highlands, Norkirk</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0067 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NORTH RESERVOIR PUMP STATION REPLACEMENT		
<b>PROJECT LOCATION</b>	Mark Twain Park at North Reservoir, 132nd Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

The existing below-grade pump station does not have heating or ventilation. The poor layout of piping and equipment inside the station makes it difficult and unsafe to perform maintenance and operation tasks. The reliability and remaining service life of the existing 2,500 gpm pump is unknown. The pump does not have adequate capacity to meet the supply requirements of the future. This project will replace the existing station with a new station that resolves the deficiencies and has a capacity of 5,000 gpm. This joint facility improvement will require participation by the City of Redmond at their established proportionate share of the total project cost. This is a candidate project included as a component of the Annual Water Pump Station/System Upgrade Program Project, WA 9999.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
2006 Water Comprehensive Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	Joint Facility/Redmond 0 %
	Debt	0 %
	Unfunded	100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	84,000
In-House Professional Svcs.	36,000
Land Acquisition	0
Construction	491,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>611,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0067 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NORTH RESERVOIR PUMP STATION REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to nearby residents is expected during construction with only incidental construction noise.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through better system reliability and increased performance.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service through system degradation and increased maintenance.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>North Rose Hill, City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 100% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0096 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 83RD STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	128th Avenue NE to 131st Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,070 lf of 8-inch AC line with new 8-inch ductile iron pipe on NE 83rd Street, between 128th Avenue NE and 131st Avenue NE.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	63,000
In-House Professional Svcs.	26,000
Land Acquisition	0
Construction	361,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>450,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0096 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 83RD STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, North Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 10% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0097 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 3)		
<b>PROJECT LOCATION</b>	NE 80th Street to approximately NE 85th Street/120th Avenue NE to approximately 122nd Ave NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,710 lf of 6-inch AC line with new 20-inch ductile iron pipe on 120th Avenue NE, from NE 80th Street to NE 85th Street and along NE 85th Street, from 120th Avenue NE to the terminus of the Phase I Water and Sewer Main replacement Project, SS 0050.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project name changed from "120th Ave NE Watermain Replacement" and remains in unfunded category.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	167,000
In-House Professional Svcs.	70,000
Land Acquisition	0
Construction	964,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	1,201,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0097 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 3)
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Considerable disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 10% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0098 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	126TH AVENUE NE/NE 83RD & 84TH STREET/128TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 80th Street to NE 85th Street, 126th Avenue NE to 128th Avenue NE, NE 83rd Court to NE 85th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 2,850 lf of 6-inch AC line with new 8-inch ductile iron pipe on 126th Avenue NE between NE 80th Street and NE 84th Street, on NE 84th Street/NE 83rd Court, between 126th Avenue NE and 128th Avenue NE and on 128th Avenue, between NE 83rd Court and NE 85th Street with 8-inch and 12-inch ductile iron pipe.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	166,000
In-House Professional Svcs.	70,000
Land Acquisition	0
Construction	961,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,197,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0098 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	126TH AVENUE NE/NE 83RD & 84TH STREET/128TH AVENUE NE WATERMAIN REPLACEMENT
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<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Considerable disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, North Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 10% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0103 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 113TH PLACE/106TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	104th Avenue NE to 106th Avenue NE, NE 112th Street to (approx) NE 114th Lane	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 2,000 lf of 4-inch AC line with new 8-inch ductile iron pipe on NE 113th Place, between 104th Ave NE and 106th Avenue NE and on 106th Avenue NE, between NE 112th Street and NE 114th Lane. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
2006 Water Comprehensive Plan	Current Revenue	0%
	Reserve	0%
	Grants	0%
	Other Sources	0%
	Debt	0%
	Unfunded	100%

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	117,000
In-House Professional Svcs.	49,000
Land Acquisition	0
Construction	675,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>841,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0103 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 113TH PLACE/106TH AVENUE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0104 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	111TH AVENUE NE/NE 62ND STREET-NE 64TH ST WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	112th Avenue NE to 114th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 3,300 lf of 4-inch AC line with new 8-inch and 12-inch ductile iron pipe on 111th Avenue, between NE 60th Street and NE 65th Street, NE 62nd Street between 108th Avenue and 111th Avenue NE and on NE 64th Street, between 111th Avenue NE and the end of the street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	207,000
In-House Professional Svcs.	87,000
Land Acquisition	0
Construction	1,199,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	1,493,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0104 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	111TH AVENUE NE/NE 62ND STREET-NE 64TH ST WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0108 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	109TH AVENUE NE/NE 58TH ST WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 58th Street to NE 59th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,200 lf of 8-inch cast iron line with new 8-inch ductile iron pipe within various rights-of-way and/or easements on the Northwest University campus.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	70,000
In-House Professional Svcs.	29,000
Land Acquisition	0
Construction	405,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>504,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0108 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	109TH AVENUE NE/NE 58TH ST WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 10% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0109 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	112TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 53rd Street to NE 45th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,950 lf of 12-inch AC line with new 12-inch ductile iron pipe along 112th Ave NE, between NE 53rd Street and Watershed Park.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	163,000
In-House Professional Svcs.	69,000
Land Acquisition	0
Construction	947,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,179,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0109 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	112TH AVENUE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton, Lakeview</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 10% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0111 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 45TH STREET AND 110TH/111TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	108th Avenue NE to 110th Avenue NE / NE 45th Street to NE 53rd Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 3,100 lf of 6-inch AC line and 6-inch cast iron line with new 8-inch ductile iron pipe along NE 45th Street between 108th Avenue NE and 110th Avenue NE and on NE 110th/111th Avenue NE between NE 45th Street and NE 53rd Street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	181,000
In-House Professional Svcs.	76,000
Land Acquisition	0
Construction	1,046,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	1,303,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0111 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 45TH STREET AND 110TH/111TH AVENUE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 10% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0113 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	116TH AVENUE NE/NE 70TH-NE 80TH ST WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 60th Street to approximately NE 80th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 5,200 lf of 8-inch AC line with new 8-inch and 12-inch ductile iron pipe along 116th Avenue NE, between NE 60th Street and approximately NE 80th Street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	396,000
In-House Professional Svcs.	167,000
Land Acquisition	0
Construction	2,295,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>2,858,000</b>
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0113 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	116TH AVENUE NE/NE 70TH-NE 80TH ST WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system infrastructure consistent with the 2006 Water Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Connects to other neighborhood CIP watermain projects.</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0118 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	112TH AVENUE NE-114TH AVENUE NE/NE 67TH STREET-NE 68TH STEET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 60th Street to NE 62nd Street, 112th Avenue NE to 114th Avenue NE, NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
	62nd Street to NE 67th Street, 112th Avenue NE to 114th Avenue NE	Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replacement of approximately 5,550 lf of 8-inch AC with new 12-inch ductile iron pipe along 112th Ave NE, between NE 60th Street and NE 62nd Street; NE 62nd Street between 112th Avenue NE and 114th Avenue NE; 114th Avenue NE between NE 62nd Street and NE 67th Street/NE 68th Street, between 112th Avenue NE and 114th Avenue NE. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
2006 Water Comprehensive Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	496,400
In-House Professional Svcs.	194,000
Land Acquisition	0
Construction	2,669,700
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>3,360,100</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0118 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	112TH AVENUE NE-114TH AVENUE NE/NE 67TH STREET-NE 68TH STEET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0119 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	109TH AVE NE/111TH WAY NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 53rd Street to NE 58th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 4,360 lf of 6-inch cast iron with new 12-inch ductile iron pipe along 109th Ave NE and 111th Way NE, between NE 53rd Street and NE 58th Street, and an 8-inch ductile iron pipe on the loop at NE 58th Place and 111th Way NE.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
2006 Water Comprehensive Plan	Current Revenue	0%
	Reserve	0%
	Grants	0%
	Other Sources	0%
	Debt	0%
	Unfunded	100%

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	319,000
In-House Professional Svcs.	135,000
Land Acquisition	0
Construction	1,850,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>2,304,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0119 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	109TH AVE NE/111TH WAY NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0120 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	111TH AVENUE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 112th Street to end of street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 432 lf of 6-inch AC with new 8-inch ductile iron pipe along 111th Avenue NE, between NE 112th Street and the end of the street. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	25,000
In-House Professional Svcs.	11,000
Land Acquisition	0
Construction	146,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	182,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0120 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	111TH AVENUE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0122 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	116TH AVENUE NE/NE 100TH STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 100th Street to NE 107th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 2,490 lf of 8-inch AC line with new 12-inch ductile iron pipe along 116th Avenue NE, between NE 100th Street and NE 107th Street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	209,000
In-House Professional Svcs.	88,000
Land Acquisition	0
Construction	1,209,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	1,506,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0122 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	116TH AVENUE NE/NE 100TH STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0123 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 91ST STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	112th Avenue to 116th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,080 lf of 6-inch AC line with new 8-inch ductile iron pipe along NE 91st Street, between 112th Avenue and 116th Avenue NE.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	63,000
In-House Professional Svcs.	26,000
Land Acquisition	0
Construction	364,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	453,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0123 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 91ST STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Highlands</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0124 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 97TH STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	112th Avenue NE to 116th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replacement of approximately 1,630 lf of 6-inch AC line with new 8-inch ductile iron pipe along NE 97th Street, between 112th Avenue NE and 116th Avenue NE. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
2006 Water Comprehensive Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	95,000
In-House Professional Svcs.	40,000
Land Acquisition	0
Construction	550,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>685,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0124 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 97TH STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Highlands</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0126 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NORTH RESERVOIR OUTLET METER ADDITION		
<b>PROJECT LOCATION</b>	Mark Twain Park	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Installation of a 16-inch meter, vault, telemetry and appurtenances on the 18-inch outlet piping. Also, modification of the master telemetry unit at the City Maintenance Center to include the monitoring of flows through this new meter. This joint facility improvement will require participation by the City of Redmond at their established proportionate share. This is a candidate project included as a component of the Annual Water Pump Station/System Upgrade Program Project, WA 9999.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources Joint Facility/Redmond 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	10,000
In-House Professional Svcs.	4,000
Land Acquisition	0
Construction	58,300
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>72,300</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0126 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NORTH RESERVOIR OUTLET METER ADDITION
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide, North Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0127 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	650 BOOSTER PUMP STATION		
<b>PROJECT LOCATION</b>	NE 85th Street at 132nd Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

A booster pump facility for the 650 Zone with a new below-grade vault with appropriate lighting, heating and ventilation equipment. The new pump(s) will have variable frequency drive equipment enabling the station to function as a backup supply for the 650 Zone. This joint facility improvement will require participation by the City of Redmond at their established proportionate share. This is a candidate project included as a component of the Annual Water Pump Station/System Upgrade Program Project, WA 9999.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0%
	Reserve 0%
	Grants 0%
	Other Sources Joint Facility/Redmond 0%
	Debt 0%
	Unfunded 100%

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	222,000
In-House Professional Svcs.	94,000
Land Acquisition	0
Construction	1,287,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,603,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0127 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	650 BOOSTER PUMP STATION
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system..</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide, North Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0128 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	106TH AVE NE-110TH AVENUE NE/NE 116TH ST-NE 120TH STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	106th Avenue NE to 110th Avenue NE, NE 116th Street to NE 120th Street, 110th Avenue NE to end of street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

**DESCRIPTION/JUSTIFICATION**

Replacement of approximately 4,270 lf of 4-inch and 6-inch AC with new 8-inch and 12-inch ductile iron pipe along NE 121st Street, between 106th Avenue NE and 110th Avenue NE and along 110th Avenue NE, between NE 116th Street and NE 120th Street, and on NE 116th Place, NE 117th Place, NE 118th Place, NE 118th Street and NE 119th Place, between 110th Avenue NE and the end of each respective street.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	319,000
In-House Professional Svcs.	135,000
Land Acquisition	0
Construction	1,851,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>2,305,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0128 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	106TH AVE NE-110TH AVENUE NE/NE 116TH ST-NE 120TH STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>North Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0129 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	SOUTH RESERVOIR RECOATING		
<b>PROJECT LOCATION</b>	NE 65th Street at 130th Ave NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

**DESCRIPTION/JUSTIFICATION**

Recoating to existing reservoir near the year 2020, based on the last time the reservoir was recoated. This joint facility improvement will require participation by the Cities of Redmond and Bellevue at their established proportionate shares on a total project cost of \$981,000.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources Jt. Fac./Redmond-Bellevue 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	0
In-House Professional Svcs.	193,000
Land Acquisition	0
Construction	788,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>981,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0129 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	SOUTH RESERVOIR RECOATING
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Bridle Trails</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0130 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	11TH PLACE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	3rd Street to 4th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 805 lf of 6-inch AC line with new 8-inch ductile iron pipe along 11th Place, between 3rd Street and 4th Street. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	47,000
In-House Professional Svcs.	20,000
Land Acquisition	0
Construction	272,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>339,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0130 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	11TH PLACE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Norkirk</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0131 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	SUPPLY STATION #1 IMPROVEMENTS		
<b>PROJECT LOCATION</b>	NE 69th Street at 140th Avenue NE, Redmond	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

The installation of adequate lighting, heating and ventilation in the station. The replacement of the existing piping and valves with larger piping and valves to reduce pressure losses through the station and to ensure adequate supply for demands from the Redmond master meters. The installation of a new control valve to control rate of flow and pressure in both outlet pipes. The installation of new lighting, heating and ventilation equipment. Install electrical improvements as necessary for the new equipment. Install access improvements to improve safety when entering the station. This joint facility improvement will require participation by the Cities of Redmond and Bellevue at their established proportionate shares. This is a candidate project included as a component of the Annual Water Pump Station/System Upgrade Program Project, WA 9999.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
2006 Water Comprehensive Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	Jt. Fac./Redmond-Bellevue 0 %
	Debt	0 %
	Unfunded	100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	8,000
In-House Professional Svcs.	4,000
Land Acquisition	0
Construction	49,500
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>61,500</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0131 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	SUPPLY STATION #1 IMPROVEMENTS
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0132 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	7TH AVENUE/CENTRAL AVENUE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	5th Street to 7th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,500 lf of 8-inch AC line and 8-inch cast iron watermain with new 12-inch ductile iron pipe along 7th Avenue and Central Avenue N, between 5th Street and approximately 7th Street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	126,000
In-House Professional Svcs.	53,000
Land Acquisition	0
Construction	728,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>907,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0132 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	7TH AVENUE/CENTRAL AVENUE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Norkirk, Highlands</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0133 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	KIRKLAND AVENUE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	Railroad Avenue to Cedar Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 550 lf of 6-inch AC line with new 8-inch and 20-inch ductile iron pipe along Kirkland Avenue, between Railroad Avenue and Cedar Street.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	62,000
In-House Professional Svcs.	26,000
Land Acquisition	0
Construction	358,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>446,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0133 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	KIRKLAND AVENUE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Everest</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0134 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	6th Street S to 8th Street S/5th Avenue S to Kirkland Avenue	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 2,170 lf of 6-inch AC with new 16-inch ductile iron pipe along 5th Avenue S, between 6th Street S and 8th Street S and on 8th Street S, between 5th Avenue S and Kirkland Avenue.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
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<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	209,000
In-House Professional Svcs.	0
Land Acquisition	0
Construction	1,211,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,420,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0134 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Everest</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0135 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 75TH STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	116th Avenue NE to 120th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,570 lf of 8-inch AC line with new 8-inch and 12-inch ductile iron pipe along NE 75th Street, between 116th Avenue NE and 120th Avenue NE.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	98,000
In-House Professional Svcs.	42,000
Land Acquisition	0
Construction	571,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	711,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0135 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 75TH STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, Bridle Trails</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0136 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 74TH STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	118th Avenue NE to 119th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 460 lf of 6-inch AC line with new 8-inch ductile iron pipe along NE 74th Street, between 118th Avenue NE and 119th Avenue NE. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	27,000
In-House Professional Svcs.	11,000
Land Acquisition	0
Construction	155,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	193,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0136 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 74TH STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, Bridle Trails</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0137 000</b>
<b>DEPARTMENT</b>	Fire & Building
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 73RD STREET WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	116th Avenue NE to 119th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replacement of approximately 1,570 lf of 6-inch AC line with new 8-inch ductile iron pipe along NE 73rd Street, between 116th Avenue NE and 119th Avenue NE. This is a candidate project included as a component of the Annual Watermain Replacement Program Project, WA 8888.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	91,000
In-House Professional Svcs.	39,000
Land Acquisition	0
Construction	530,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>660,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0137 000</b>
<b>DEPARTMENT</b>	Fire & Building
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 73RD STREET WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, Bridle Trails</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0138 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 72ND STREET/130TH AVENUE NE WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	128th Ave NE to 130th Avenue NE and NE 71st Street to NE 75th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

**DESCRIPTION/JUSTIFICATION**

Replacement of approximately 3,510 lf of 2-inch PVC with new 8-inch ductile iron pipe along NE 72nd Street, between 128th Avenue NE and 130th Avenue NE and along 130th Avenue NE, between NE 71st Street and NE 75th Street.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	205,000
In-House Professional Svcs.	86,000
Land Acquisition	0
Construction	1,185,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,476,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0138 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 72ND STREET/130TH AVENUE NE WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill, Bridle Trails</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0139 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	6TH STREET S WATERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	5th Avenue S to 9th Avenue S	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 1,390 lf of 2-inch PVC pipe with new 8-inch ductile iron pipe along 6th Street S, between 5th Avenue S and 9th Avenue S.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	81,000
In-House Professional Svcs.	34,000
Land Acquisition	0
Construction	469,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>584,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0139 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	6TH STREET S WATERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Minor disruption to local traffic and pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Everest, Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0140 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET WATERMAIN REPLACEMENT PHASE 2		
<b>PROJECT LOCATION</b>	120th Avenue to 132nd Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

<b>DESCRIPTION/JUSTIFICATION</b>	
Replacement of approximately 4,120 lf of 8-inch AC line with new 16-inch ductile iron pipe along NE 85th Street, between 120th Avenue NE and 132nd Avenue NE.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>
Project name changed from "NE 85th St/132nd Ave NE Watermain Replacement" and remains in unfunded category.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2006 Water Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	397,000
In-House Professional Svcs.	167,000
Land Acquisition	0
Construction	2,299,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>2,863,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>WA 0140 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 80TH STREET WATERMAIN REPLACEMENT PHASE 2
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Significant disruption to local traffic and minor disruption to pedestrian access is expected during construction.</i>
Community economic impacts	<i>Lower maintenance costs through modernization of the water system infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Benefits area residents through increased fire flow and improved system reliability.</i>
Responds to an urgent need or opportunity	<i>Represents a timely replacement of a portion of the water system and a reduction in potential for property damage claims.</i>
Feasibility, including public support and project readiness	<i>Project represents scope of work that is typical for water utility construction.</i>
Conforms to legal or contractual obligations	<i>Project will be designed and constructed per legal and professional guidelines and requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>N/A</i>
Implications of deferring the project	<i>Possible disruption in water service and a decrease in fire flow capacity over time.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Rose Hill</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0051 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	6TH STREET SOUTH SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 68th Street to approximately 8th Avenue South	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

**DESCRIPTION/JUSTIFICATION**

Preliminary design will examine feasibility of slip lining the existing sewer line or the need to replace the existing 10-inch concrete sewer line from NE 68th Street to approximately 8th Avenue South, with approximately 950 lf of 12-inch to 15-inch PVC pipe. Capacity issues with this sewer line that were identified in the 1992 Sewer Comprehensive Plan were alleviated with the installation of a new sewer main in NE 68th Street between 6th Street S/108th Avenue NE and BNSF Railroad in 1997.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan <i>Page 6-26</i>	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	132,000
In-House Professional Svcs.	66,000
Land Acquisition	0
Construction	606,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>804,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0051 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	6TH STREET SOUTH SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction, traffic control will be required on 6th Street; local businesses near construction area can anticipate noise and congestion during construction.</i>
Community economic impacts	<i>Will reduce maintenance requirements.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Reduce potential for sewer line backups due to collapsing pipe.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan and ranked 14th of 26 City-wide capital projects.</i>
Feasibility, including public support and project readiness	<i>The project has been identified in the City-wide Comprehensive Plan adopted by City Council. The replacement poses no unusual difficulties.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal standards and guidelines</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will free up manpower resources currently required for maintenance and inspection of the line.</i>
Implications of deferring the project	<i>Higher than usual maintenance costs due to poor structural condition of the sewer line.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Everest</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XV-E-9</i> How does the project conform to such references? <i>Water/sewer svcs inadequate to support development</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 20% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0052 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	108TH AVENUE NE SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 68th Street to NE 53rd Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
<p>Replace and/or rehabilitate approximately 4,000 lf of 8-inch concrete pipe with 8- to 12-inch PVC pipe. Perform video inspection to determine extent and priority of section improvements; preliminary design will examine the feasibility of installing replacement sewer line at a shallower depth than currently exists along this line (specifically between NE 59th Street to NE 53rd Street). This trunk line requires high maintenance due to significant structural deficiencies.</p>	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan <i>Page 6-26</i>	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	840,000
In-House Professional Svcs.	420,000
Land Acquisition	0
Construction	3,850,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	5,110,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0052 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	108TH AVENUE NE SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction of this sewer line (from four to six months), traffic control will be required, which will lead to possible delays and congestion. Adjacent residents and commercial properties should anticipate noise and congestion.</i>
Community economic impacts	<i>Construction adjacent to business area may have potential disruptive impact to business due to congestion and traffic delays.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will improve capacity and diminish potential for surcharge of existing line.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan and ranked 20th of 26 capital improvements City-wide.</i>
Feasibility, including public support and project readiness	<i>The project presents no significant engineering or constructability difficulties. The project was an element of the City Council-adopted Sanitary Sewer Comprehensive Plan.</i>
Conforms to legal or contractual obligations	<i>All improvements will be designed and constructed in conformance with professional and legal requirements.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will reduce manpower requirements for inspection and maintenance of the existing concrete trunk line.</i>
Implications of deferring the project	<i>High maintenance of the existing line.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XV.B-10</i> How does the project conform to such references? <i>Mentions sewer/water facility upgrades/extensions</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0062 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 108TH STREET SEWERMAIN REPLACEMENT/REHABILITATION		
<b>PROJECT LOCATION</b>	108th Avenue NE to approximately Forbes Creek at 100th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replace and/or rehabilitate the existing trunk line with approximately 3,000 lf of 12-inch to 18-inch diameter PVC pipe. Perform video inspection to determine the extent of the improvements. The existing trunk line, a likely source of inflow and infiltration (I/I), experiences minor storm event surcharging and does not have adequate capacity for full development within the basin. This is a candidate project included as a component of the Annual Sanitary Pipeline Replacement Program Project, SS 8888.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for SS 8888 - Annual Sanitary Pipeline Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan <i>Page 6-30</i>	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	724,000
In-House Professional Svcs.	362,000
Land Acquisition	0
Construction	3,319,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>4,405,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0062 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 108TH STREET SEWERMAIN REPLACEMENT/REHABILITATION
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction of this sewer line (from four to six months), minor traffic control will be required. Adjacent residents should anticipate noise from normal construction activity.</i>
Community economic impacts	
Health and safety, environmental, aesthetic, or social effects	<i>Will improve capacity and diminish potential for surcharge of existing line.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan and ranked 24th of 30 projects.</i>
Feasibility, including public support and project readiness	<i>Project is adjacent to existing METRO sewer force main pipelines which presents a need for careful construction techniques. The project is an element of the City Council-adopted Sanitary Sewer Comprehensive Plan.</i>
Conforms to legal or contractual obligations	<i>All improvements will be designed and constructed in conformance with professional and legal requirements.</i>
Responds to state and/or federal mandate	
Benefits to other capital projects	<i>Reduction of infiltration and inflow reduces the load on the Juanita Lift Station which is currently under design for replacement.</i>
Implications of deferring the project	<i>Continued occurrences of storm surcharging and eventual capacity shortfall with continued property development within the drainage basin.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>South Juanita</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XV.I-44</i> How does the project conform to such references? <i>consistent with</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 30% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0063 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 53RD STREET SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 53rd Street from 108th Avenue NE to 111th Avenue NE	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

This project will include the installation of a new manhole (approximately 18 feet deep) at the intersection of 108th Ave NE and NE 53rd Street and the rehabilitation or reconstruction of approximately 850 feet of 6-inch diameter sewermain. Because there are no side sewers/laterals that enter this section of the sewer system, pipe bursting may be an alternative. This is a candidate project included as a component of the Annual Sanitary Pipeline Replacement Program Project, SS 8888.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for SS 8888 - Annual Sanitary Pipeline Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Comprehensive Plan <i>xi-5: Policy U-3.4</i>	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	167,000
In-House Professional Svcs.	60,000
Land Acquisition	0
Construction	496,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>723,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0063 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	NE 53RD STREET SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Reconstruction of the existing manhole at the intersection of 108th Ave NE and NE 53rd Street will require temporary detour and flagging. Depending on selected construction methods to address the line along NE 53rd Street, traffic and driveway access will be impacted during construction.</i>
Community economic impacts	<i>Necessary replacement of a portion of the utility infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Necessary sewer system replacement to provide continued sewer service and will reduce potential for sewer surcharges.</i>
Responds to an urgent need or opportunity	<i>Will provide for a more efficient sanitary sewer system compatible with future development and not prone to surcharge and the resultant environmental or social impacts.</i>
Feasibility, including public support and project readiness	<i>This project will not incur any unusual difficulties.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>NA</i>
Benefits to other capital projects	<i>NA</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Central Houghton</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XV.B-10</i> How does the project conform to such references? <i>consistent with</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 75% (6" to 8" pipe diameter) <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0064 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	7TH AVENUE SOUTH SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	7th Avenue South from State Street to 5th Street South	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Replace up to 850 lf of 6-inch diameter concrete pipe with 8-inch diameter PVC pipe. The existing sewermain downstream of the former PACE chemical plant has severely corroded due to caustic chemicals that were dumped in the line. Re-development of the PACE chemical site may replace portions of this main; however, the remaining sections also need to be replaced. This is a candidate project included as a component of the Annual Sanitary Pipeline Replacement Program Project, SS 8888.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for SS 8888 - Annual Sanitary Pipeline Replacement Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan <i>xi-5: Policy U-3.45</i>	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	132,000
In-House Professional Svcs.	66,000
Land Acquisition	0
Construction	606,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>804,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0064 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	7TH AVENUE SOUTH SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>Traffic disruptions, detours, and noise will occur during construction, which is anticipated to run approximately one month.</i>
Community economic impacts	<i>Necessary replacement of a portion of the utility infrastructure.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Necessary sewer system replacement to provide continued sewer service and will reduce potential for sewer surcharges.</i>
Responds to an urgent need or opportunity	<i>Will provide for a more efficient sanitary sewer system compatible with future development and not prone to surcharge and the resultant environmental or social impacts.</i>
Feasibility, including public support and project readiness	<i>This project will not incur any unusual difficulties.</i>
Conforms to legal or contractual obligations	<i>Will be designed and constructed per professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>NA</i>
Benefits to other capital projects	<i>NA</i>
Implications of deferring the project	<i>Although not specifically identified in the City's comprehensive plan, this project is consistent with policy U-3.4 which calls for the correction of deficiencies that present sewage overflow risk.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Moss Bay</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>Yes; see XV.D-29</i> How does the project conform to such references? <i>consistent with</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 75% (6" to 8" pipe diameter) <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0068 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	124TH AVENUE NE SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	NE 112th Street to NE 116th Street	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

**DESCRIPTION/JUSTIFICATION**

Replace existing 8-inch PVC sewerline with approximately 1,030 lf of 12-inch PVC sewerline. The existing trunk line does not have adequate capacity to accommodate projected flows.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2008 Sewer Comprehensive Plan	Current Revenue 0%
Current service and/or functional objectives	Reserve 0%
	Grants 0%
	Other Sources 0%
	Debt 0%
	Unfunded 100%

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	216,000
In-House Professional Svcs.	108,000
Land Acquisition	0
Construction	991,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,315,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0068 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	124TH AVENUE NE SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from three to four months), traffic control will be required along 124th Avenue NE. Noise and congestion should be anticipated by adjacent residents.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources..</i>
Implications of deferring the project	<i>Potential for system failure, possible surcharging, and above average requirement for maintenance and inspection.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>North Rose Hill, Totem Lake</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 70% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0069 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	1ST STREET SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	Central Way to 16th Avenue	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
<p>Replace existing 8-inch concrete sewerline with approximately 4,170 lf of 8-inch PVC sewerline. The existing line was first built in 1950 and is deteriorating, having exceeded its design life.</p>	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
2008 Sewer Comprehensive Plan	Current Revenue 0%
	Reserve 0%
	Grants 0%
	Other Sources 0%
	Debt 0%
	Unfunded 100%

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	649,000
In-House Professional Svcs.	324,000
Land Acquisition	0
Construction	2,972,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>3,945,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0069 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	1ST STREET SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from four to six months), traffic control will be required along 1st Street and intersecting cross-streets between Central Way and 16th Avenue.. Noise and congestion should be anticipated by adjacent residents.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources..</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Norkirk, Moss Bay</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0070 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	5TH STREET SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	Central Way to 9th Avenue	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
<p>Replace existing 8-inch concrete sewerline with approximately 1,430 lf of 8-inch PVC sewerline. The existing line was first built in 1950 and is deteriorating, having exceeded its design life.</p>	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	223,000
In-House Professional Svcs.	111,000
Land Acquisition	0
Construction	1,020,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,354,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0070 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	5TH STREET SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from three to four months), traffic control will be required along 5th Street and intersecting cross-streets between Central Way and 9th Avenue.. Noise and congestion should be anticipated by adjacent residents.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources..</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Norkirk, Moss Bay</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0071 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	6TH STREET SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	10th Avenue to 11th Avenue	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
<p>Replace existing 6-inch concrete sewerline with approximately 325 lf of 8-inch PVC sewerline. The existing trunk line does not have adequate capacity to accommodate projected flows.</p>	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	51,000
In-House Professional Svcs.	25,000
Land Acquisition	0
Construction	232,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	308,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0071 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	6TH STREET SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from one to two), traffic control will be required along 6th Street and intersecting cross-streets at 10th Avenue and 11th Avenue.. Noise and congestion should be anticipated by adjacent residents.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources..</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Norkirk</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 75% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0072 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	KIRKLAND AVENUE SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	Railroad Avenue (near 10th Street South) to I-405 (near 116th Avenue NE)	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

**DESCRIPTION/JUSTIFICATION**

Replace existing 8-inch concrete sewerline with approximately 1,550 lf of 12-inch PVC sewerline. The existing trunk line does not have adequate capacity to accommodate projected flows.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>
Sewer Comprehensive Plan	Current Revenue 0 %
	Reserve 0 %
	Grants 0 %
	Other Sources 0 %
	Debt 0 %
	Unfunded 100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	325,000
In-House Professional Svcs.	163,000
Land Acquisition	0
Construction	1,492,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,980,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0072 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	KIRKLAND AVENUE SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from three to four months), traffic control will be required along Kirkland Aveune and intersectiing cross-streets between railroad Avenue and 116th Avenue NE. Noise and congestion should be anticipated by adjacent residents.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources..</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Everest</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 70% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0073 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ROSE POINT SEWER LIFT STATION REPLACEMENT		
<b>PROJECT LOCATION</b>	18th Avenue West near 10th Street West	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Modified Project

**DESCRIPTION/JUSTIFICATION**

Relocation/reconstruction of the existing lift station due to age and insufficient pumping capacity at peak flows during major storm events. The station improvements include a new wetwell/drywell layout compatible with the surrounding area, new system control, new 8-inch overflow line from the new station to adjacent top-of-the Waverly Basin manhole (if feasible), an emergency generator set (if new overflow line is not feasible) and 1,800 lf of 8-inch ductile iron or C900 PVC forcemain. This is a candidate project included as a component of the Annual Sanitary Pump Station/System Upgrade Program Project, SS 9999.

**REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project identified as potential candidate for SS 9999 - Annual Sanitary Pump Station/System Upgrade Program Project.

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
Sewer Comprehensive Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	421,000
In-House Professional Svcs.	137,000
Land Acquisition	0
Construction	1,253,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	<b>1,811,000</b>
<b>NEW MAINT. AND OPER.</b>	<b>0</b>
<b>NEW FTE</b>	<b>0.00</b>

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0073 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	ROSE POINT SEWER LIFT STATION REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction (from four to six), traffic control will be required in the immediately adjacent area. Construction noise should be anticipated by adjacent residents.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The project will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources..</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Market, City-wide</i> Is there a specific reference to this project or land use in the immediate vicinity? How does the project conform to such references? Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input checked="" type="checkbox"/> Project provides new capacity. Amount of new capacity provided: 300% to 400% <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0077 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	WEST OF MARKET SEWERMAIN REPLACEMENT		
<b>PROJECT LOCATION</b>	Market Neighborhood	<b>PROJECT START</b>	<b>PROJECT STATUS</b>
		Undetermined	Existing Project

<b>DESCRIPTION/JUSTIFICATION</b>	
The replacement of all concrete sewermain in the Market Neighborhood, Market Street to Lake Washington and Waverly Way to 20th Place West.	

<b>REASON FOR MODIFICATION (WHERE APPLICABLE)</b>

<b>POLICY BASIS</b>	<b>METHOD OF FINANCING (%)</b>	
Sewer Comprehensive Plan	Current Revenue	0 %
	Reserve	0 %
	Grants	0 %
	Other Sources	0 %
	Debt	0 %
	Unfunded	100 %

<b>CAPITAL COSTS</b>	<b>COSTS TO BE FUNDED</b>
Planning/Design/Engineering	3,564,000
In-House Professional Svcs.	1,782,000
Land Acquisition	0
Construction	16,335,000
Computer Hardware/Software	0
Equipment	0
Other Services	0
<b>Total</b>	21,681,000
<b>NEW MAINT. AND OPER.</b>	0
<b>NEW FTE</b>	0.00

**CITY OF KIRKLAND  
CAPITAL IMPROVEMENT PROGRAM  
2011 TO 2016**

<b>PROJECT #</b>	<b>SS 0077 000</b>
<b>DEPARTMENT</b>	Public Works
<b>DEPARTMENT CONTACT</b>	Ray Steiger

<b>PROJECT TITLE</b>	WEST OF MARKET SEWERMAIN REPLACEMENT
<b>CRITERIA</b>	<b>PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)</b>
Amount of public disruption and inconvenience caused	<i>During construction traffic control will be required. Noise and congestion should be anticipated by residents and motorists in the area.</i>
Community economic impacts	<i>None anticipated.</i>
Health and safety, environmental, aesthetic, or social effects	<i>Will reduce potential for I &amp; I, surcharging and the need for high maintenance.</i>
Responds to an urgent need or opportunity	<i>Addressed in the Sanitary Sewer Comprehensive Plan.</i>
Feasibility, including public support and project readiness	<i>The project, an element of the City Council-adopted Sanitary Sewer Comprehensive Plan, presents no significant difficulties.</i>
Conforms to legal or contractual obligations	<i>The projects will be designed and constructed to meet professional and legal requirements and guidelines.</i>
Responds to state and/or federal mandate	<i>N/A</i>
Benefits to other capital projects	<i>Will improve overall system reliability and free up maintenance resources currently required on the line.</i>
Implications of deferring the project	<i>Increased maintenance, possible disruption in service.</i>
<b>CONFORMANCE WITH ADOPTED COMPREHENSIVE PLAN</b>	Name of Neighborhood(s) in which located: <i>Market, Norkirk</i> Is there a specific reference to this project or land use in the immediate vicinity? <i>No</i> How does the project conform to such references? <i>No</i> Attachments: <input type="checkbox"/> (Specify)
<b>LEVEL OF SERVICE IMPACT</b>	<input checked="" type="checkbox"/> Project provides no new capacity (repair, replacement or renovation). <input type="checkbox"/> Project provides new capacity. Amount of new capacity provided: <input type="checkbox"/> Project assists in meeting/maintaining adopted level of service. <input type="checkbox"/> Project required to meet concurrency standards.