

CITY OF KETCHIKAN, ALASKA

2010 - 2014 KETCHIKAN PUBLIC UTILITIES  
CAPITAL IMPROVEMENT PROGRAM

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**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program  
2010 Capital Budget**

Department/Division/Project	Revenues/ Reserves	Federal/State Grants	Loans/ Other	Revenue Bonds	2010 Total
<b>Administration</b>					
Financial and Accounting Information System	432,500				432,500
<b>Administration Division Total</b>	<b>432,500</b>				<b>432,500</b>
<b>Engineering</b>					
None					
<b>Engineering Division Total</b>					
<b>Sales, Marketing &amp; Customer Service</b>					
Vehicle Acquisition	12,000				12,000
PC Hardware & Software	26,000				26,000
<b>Sales, Marketing &amp; Customer Service Division Total</b>	<b>38,000</b>				<b>38,000</b>
<b>Electric Division</b>					
Bethel Substation	300,000				300,000
Pennock Island and Gravina Cable Replacement	135,000				135,000
PCB/Transformer Containment and Storage	50,000				50,000
Breaker Changes driven by SC Study	300,000				300,000
Ketchikan Generator Step-up Transformer	188,000				188,000
34.5 kV Line Switches	15,000				15,000
URD Vault #3 Replacement	50,000				50,000
Silvis Breaker	22,000				22,000
RTU Replacements	20,000				20,000
N. Pt. Higgins Diesel Louvres	10,000				10,000
Distribution Pole Replacement	100,000				100,000
Whitman Lake Hydroelectric Plant	150,000	7,142,000			7,292,000
Transformer Purchase	100,000				100,000
Vehicles & Moving Equipment	60,000				60,000
Beaver Falls Unit 1 Exciter	30,000				30,000
Ketchikan Unit 3 Exciter	110,000				110,000
Electric Admin Building Roof	85,000				85,000
Bailey Control HVAC	75,000				75,000
Operating Equipment	127,020				127,020
Additional Projects	150,000				150,000
Reimbursable Projects	158,000				158,000
Shoal Cove Distribution Line			231,556		231,556
Raptor Protection Program	5,000				5,000
<b>Electric Division Total</b>	<b>2,240,020</b>	<b>7,142,000</b>	<b>231,556</b>		<b>9,613,576</b>

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program  
2010 Capital Budget**

Department/Division/Project	Revenues/ Reserves	Federal/State Grants	Loans/ Other	Revenue Bonds	2010 Total
<b>Telecommunications Division</b>					
Normal Growth and Repair - CO Switching	40,000				40,000
Normal Growth and Repair - Copper Cable	25,000				25,000
Normal Growth and Repair - Fiber Cable	200,000				200,000
Normal Growth and Repair - CO Transmission	365,000				365,000
Normal Growth and Repair - Wireless	25,000				25,000
Normal Growth and Repair - Provisioning	150,000				150,000
Fiber to the Home	1,000,000				1,000,000
Remote Cabinets for Advanced Services	50,000				50,000
Operating Equipment	30,000				30,000
PC Hardware & Software	40,000				40,000
Pennock Island Transport	250,000				250,000
Headend Expansion	150,000				150,000
Video Set Top Boxes	125,000				125,000
3G Cellular Network	50,000				50,000
<b>Telecommunications Division Total</b>	<b>2,500,000</b>				<b>2,500,000</b>
<b>Water Division</b>					
Office Remodel/Expansion	10,000				10,000
Tongass Ave Water & Sewer Impr. Phase II		2,552,750		1,215,000	3,767,750
Baranof Reservoir Replacement Project		1,911,000		819,000	2,730,000
Water Distribution Grid Improvements	60,000				60,000
Creek Street Water/Sewer Improvements	65,000				65,000
Additional Projects	40,000				40,000
Water Service Upgrade Program	30,000				30,000
Backflow Prevention Program	10,000				10,000
Project Management/Inspection Services	50,000			150,000	200,000
<b>Water Division Total</b>	<b>265,000</b>	<b>4,463,750</b>		<b>2,184,000</b>	<b>6,912,750</b>
<b>GRAND TOTAL</b>	<b>5,475,520</b>	<b>11,605,750</b>	<b>231,556</b>	<b>2,184,000</b>	<b>19,496,826</b>

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program  
Summary of Projects by Division - All Years**

Division/Project	Prior Years	2010	2011	2012	2013	2014	Five Year Total	Project Total
<b>Administration</b>								
Financial & Accounting Information System	43,358	432,500					432,500	475,858
<b>Administration Total</b>	43,358	432,500					432,500	475,858
<b>Engineering</b>								
None								
<b>Engineering Total</b>								
<b>Sales, Marketing &amp; Customer Service</b>								
Vehicle Acquisition		12,000					12,000	12,000
PC Hardware & Software		26,000					26,000	26,000
<b>Sales, Mrktng &amp; Cust Service Total</b>		38,000					38,000	38,000
<b>Electric Division</b>								
Bethe Substation	50,000	300,000	5,000,000				5,300,000	5,350,000
Pennock Island and Gravina Cable Replacement	100,000	135,000					135,000	235,000
PCB/Transformer Containment and Storage		50,000	50,000				100,000	100,000
Breaker Changes driven by SC Study		300,000					300,000	300,000
Ketchikan Generator Step-up Transformer		188,000					188,000	188,000
34.5 kV Line Switches		15,000	45,000	30,000			90,000	90,000
URD Vault #3 Replacement	35,459	50,000	373,800				423,800	459,259
Silvis Breaker		22,000					22,000	22,000
RTU Replacements		20,000					20,000	20,000
N. Pt. Higgins Diesel Louvres		10,000					10,000	10,000
Distribution Pole Replacement	1,940,055	100,000	550,000	325,000	234,945		1,209,945	3,150,000
Whitman Lake Hydroelectric Plant	2,007,028	7,292,000	10,700,000				17,992,000	19,999,028
Transformer Purchase		100,000	100,000	100,000	100,000	100,000	500,000	500,000
Vehicles & Moving Equipment		60,000	502,500	115,000	115,000	115,000	907,500	907,500
Ward Cove Sectionalizing Breaker (34.5 kV)			30,000				30,000	30,000
Beaver Falls Unit 1 Exciter		30,000					30,000	30,000
Ketchikan Unit 3 Exciter		110,000					110,000	110,000
Electric Warehouse Roof and Siding			200,000				200,000	200,000
Electric Admin Building Roof		85,000					85,000	85,000

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program  
Summary of Projects by Division - All Years**

Division/Project	Prior Years	2010	2011	2012	2013	2014	Five Year Total	Project Total
<b>Electric Division (continued)</b>								
Beaver Falls Exterior Coating			225,000				225,000	225,000
Bailey Control HVAC		75,000					75,000	75,000
Operating Equipment		127,020	74,000	80,000	80,000	80,000	441,020	441,020
Additional Projects		150,000	150,000	150,000	150,000	150,000	750,000	750,000
Reimbursable Projects		158,000	158,000	158,000	158,000	158,000	790,000	790,000
Shoal Cove Distribution Line	328,444	231,556					231,556	560,000
Raptor Protection Program	72,119	5,000	25,000	15,000	15,000	15,000	75,000	147,119
Bailey Exhaust Stack Coating			50,000				50,000	50,000
Automatic Meter Reading	874,759		300,000	300,000	300,000	300,000	1,200,000	2,074,759
Metlakatla - Ketchikan Intertie				250,000			250,000	250,000
Electric Service Center	45,352		500,000	4,700,000			5,200,000	5,245,352
<b>Electric Division Total</b>	<b>5,453,216</b>	<b>9,613,576</b>	<b>19,033,300</b>	<b>6,223,000</b>	<b>1,152,945</b>	<b>918,000</b>	<b>36,940,821</b>	<b>42,394,037</b>
<b>Telecommunications Division</b>								
Normal Growth and Repair - CO Switching		40,000	40,000	40,000	40,000	40,000	200,000	200,000
Normal Growth and Repair - Copper Cable		25,000	25,000	25,000	25,000	25,000	125,000	125,000
Normal Growth and Repair - Fiber Cable		200,000	200,000	200,000	200,000	200,000	1,000,000	1,000,000
Normal Growth and Repair - CO Transmission		365,000	250,000	200,000	500,000	500,000	1,815,000	1,815,000
Normal Growth and Repair - Wireless		25,000	15,000	15,000	15,000	15,000	85,000	85,000
Normal Growth and Repair - Provisioning		150,000	25,000	25,000	25,000	25,000	250,000	250,000
Fiber to the Home		1,000,000	1,500,000	500,000			3,000,000	3,000,000
Remote Cabinets for Advanced Services		50,000	50,000	50,000	50,000	50,000	250,000	250,000
Operating Equipment		30,000	70,000	50,000	50,000	50,000	250,000	250,000
PC Hardware & Software		40,000	15,000	20,000	20,000	20,000	115,000	115,000
Pennock Island Transport		250,000					250,000	250,000
Gravina Island Buildout			100,000	100,000	100,000	100,000	400,000	400,000
Normal Growth and Repair - Buildings			80,000	50,000	25,000	25,000	180,000	180,000
Vehicle Acquisition			60,000	110,000	140,000	200,000	510,000	510,000
Phone System			30,000				30,000	30,000
Switch Upgrade					750,000		750,000	750,000
Headend Expansion		150,000	200,000	100,000	100,000	100,000	650,000	650,000
Video Set Top Boxes		125,000	100,000	100,000	100,000	100,000	525,000	525,000

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program  
Summary of Projects by Division - All Years**

Division/Project	Prior Years	2010	2011	2012	2013	2014	Five Year Total	Project Total
<b>Telecommunications Division (continued)</b>								
Microwave Link			1,975,000				1,975,000	1,975,000
3G Cellular Network		50,000	75,000	800,000			925,000	925,000
<b>Telecommunications Division Total</b>		2,500,000	4,810,000	2,385,000	2,140,000	1,450,000	13,285,000	13,285,000
<b>Water Division</b>								
Office Remodel/Expansion		10,000					10,000	10,000
Tongass Ave Water & Sewer Impr. Phase II		3,767,750					3,767,750	3,767,750
Baranof Reservoir Replacement	1,438,414	2,730,000					2,730,000	4,168,414
Water Distribution Grid Improvements		60,000					60,000	60,000
Creek Street Water/Sewer Improvements		65,000					65,000	65,000
Additional Projects		40,000					40,000	40,000
Water Service Upgrade Program		30,000	10,000				40,000	40,000
Backflow Prevention Program		10,000	10,000				20,000	20,000
UV Facility Warehouse			300,000				300,000	300,000
Vehicles & Moving Equipment			32,000				32,000	32,000
Alaska Ave. Water/Sewer Improvements			1,261,520				1,261,520	1,261,520
Jackson St., 4th & 7th Ave. Water/Sewer Improvements			2,307,150				2,307,150	2,307,150
Project Management/Inspection Services		200,000					200,000	200,000
Buren Road Water/Sewer Improvements			135,000				135,000	135,000
Adams Street Water/Sewer Improvements				110,000			110,000	110,000
Austin Street Water/Sewer Improvements				465,000			465,000	465,000
Denali Avenue Water/Sewer Improvements				295,000			295,000	295,000
1st Ave & Jefferson St. Water/Sewer Improvements				120,000			120,000	120,000
Harris Street Water/Sewer Improvements				422,000			422,000	422,000
Shoreline Service Area	381,943				3,490,000		3,490,000	3,871,943
Highlands Reservoir Replacement			100,000				100,000	100,000
Schoenbar Road Water/Sewer Improvements			60,000		820,000		880,000	880,000
Woodland Ave. Water/Sewer Improvements			25,000		195,000		220,000	220,000
Water St. Trestle #2 Water/Sewer Improvements				75,000		440,000	515,000	515,000
Tongass Ave Water & Sewer Impr. Phase III				40,000		2,059,000	2,099,000	2,099,000
Confidence Reservoir Replacement-Design				100,000			100,000	100,000
<b>Water Division Total</b>		1,820,357	6,912,750	4,240,670	1,627,000	4,505,000	2,499,000	19,784,420
<b>TOTAL</b>		<b>7,316,931</b>	<b>19,496,826</b>	<b>28,083,970</b>	<b>10,235,000</b>	<b>7,797,945</b>	<b>4,867,000</b>	<b>77,797,672</b>

**Ketchikan Public Utilities**  
**2010 - 2014 Capital Improvement Program**  
**Summary of Projects by Funding Source - All Years**

Division/Project	Prior Years	Revenue Generating Fund	Federal/State Grants	Local/ Other	Revenue Bonds	State Drinking Water Loan Fund	Total
<b>Administration</b>							
Financial and Accounting System	43,358	432,500					475,858
<b>Administration Total</b>	43,358	432,500					475,858
<b>Engineering</b>							
None							
<b>Engineering Total</b>							
<b>Customer Service</b>							
Vehicle Acquisition		12,000					12,000
PC Hardware & Software		26,000					26,000
<b>Customer Service Total</b>		38,000					38,000
<b>Electric Division</b>							
Bethe Substation	50,000	300,000	5,000,000				5,350,000
Pennock Island and Gravina Cable Replacement	100,000	135,000					235,000
PCB/Transformer Containment and Storage		100,000					100,000
Breaker Changes driven by SC Study		300,000					300,000
Ketchikan Generator Step-up Transformer		188,000					188,000
34.5 kV Line Switches		90,000					90,000
URD Vault #3 Replacement	35,459	423,800					459,259
Silvis Breaker		22,000					22,000
RTU Replacements		20,000					20,000
N. Pt. Higgins Diesel Louvres		10,000					10,000
Distribution Pole Replacement	1,940,055	1,209,945					3,150,000
Whitman Lake Hydroelectric Plant	2,007,028	150,000	17,842,000				19,999,028
Transformer Purchase		500,000					500,000
Vehicles & Moving Equipment		907,500					907,500
Ward Cove Sectionalizing Breaker (34.5 kV)		30,000					30,000
Beaver Falls Unit 1 Exciter		30,000					30,000
Ketchikan Unit 3 Exciter		110,000					110,000
Electric Warehouse Roof and Siding		200,000					200,000
Electric Admin Building Roof		85,000					85,000
Beaver Falls Exterior Coating		225,000					225,000
Bailey Control HVAC		75,000					75,000

**Ketchikan Public Utilities**  
**2010 - 2014 Capital Improvement Program**  
**Summary of Projects by Funding Source - All Years**

Division/Project	Prior Years	Revenue Generating Fund	Federal/State Grants	Local/ Other	Revenue Bonds	State Drinking Water Loan Fund	Total
<b>Electric Division (continued)</b>							
Operating Equipment		441,020					441,020
Additional Projects		750,000					750,000
Reimbursable Projects		790,000					790,000
Shoal Cove Distribution Line	328,444			231,556			560,000
Raptor Protection Program	72,119	75,000					147,119
Bailey Exhaust Stack Coating		50,000					50,000
Automatic Meter Reading	874,759	1,200,000					2,074,759
Metlakatla - Ketchikan Intertie			250,000				250,000
Electric Service Center	45,352				5,200,000		5,245,352
<b>Electric Division Total</b>	<b>5,453,216</b>	<b>8,417,265</b>	<b>23,092,000</b>	<b>231,556</b>	<b>5,200,000</b>		<b>42,394,037</b>
<b>Telecommunications Division</b>							
Normal Growth and Repair - CO Switching		200,000					200,000
Normal Growth and Repair - Copper Cable		125,000					125,000
Normal Growth and Repair - Fiber Cable		1,000,000					1,000,000
Normal Growth and Repair - CO Transmission		1,815,000					1,815,000
Normal Growth and Repair - Wireless		85,000					85,000
Normal Growth and Repair - Provisioning		250,000					250,000
Fiber to the Home		3,000,000					3,000,000
Remote Cabinets for Advanced Services		250,000					250,000
Operating Equipment		250,000					250,000
PC Hardware & Software		115,000					115,000
Pennock Island Transport		250,000					250,000
Gravina Island Buildout		400,000					400,000
Normal Growth and Repair - Buildings		180,000					180,000
Vehicle Acquisition		510,000					510,000
Phone System		30,000					30,000
Switch Upgrade		750,000					750,000
Headend Expansion		650,000					650,000
Video Set Top Boxes		525,000					525,000
Microwave Link		1,975,000					1,975,000
3G Cellular Network		925,000					925,000
<b>Telecommunications Division Total</b>		<b>13,285,000</b>					<b>13,285,000</b>

**Ketchikan Public Utilities**  
**2010 - 2014 Capital Improvement Program**  
**Summary of Projects by Funding Source - All Years**

Division/Project	Prior Years	Revenue Generating Fund	Federal/State Grants	Local/ Other	Revenue Bonds	State Drinking Water Loan Fund	Total
<b>Water Division</b>							
Office Remodel/Expansion		10,000					10,000
Tongass Ave Water & Sewer Impr. Phase II			2,552,750			1,215,000	3,767,750
Baranof Reservoir Replacement	1,438,414		1,911,000			819,000	4,168,414
Water Distribution Grid Improvements		60,000					60,000
Creek Street Water/Sewer Improvements		65,000					65,000
Additional Projects		40,000					40,000
Water Service Upgrade Program		40,000					40,000
Backflow Prevention Program		20,000					20,000
UV Facility Warehouse		50,000				250,000	300,000
Vehicles & Moving Equipment		32,000					32,000
Alaska Ave. Water/Sewer Improvements		378,456	883,064				1,261,520
Jackson St., 4th & 7th Ave. Water/Sewer Improvements			1,615,005			692,145	2,307,150
Project Management/Inspection Services		50,000			150,000		200,000
Buren Road Water/Sewer Improvements			94,500			40,500	135,000
Adams Street Water/Sewer Improvements			77,000			33,000	110,000
Austin Street Water/Sewer Improvements			325,500			139,500	465,000
Denali Avenue Water/Sewer Improvements			206,500			88,500	295,000
1st Ave & Jefferson St. Water/Sewer Improvements			84,000			36,000	120,000
Harris Street Water/Sewer Improvements			295,000			127,000	422,000
Shoreline Service Area	381,943		2,443,000			1,047,000	3,871,943
Highlands Reservoir Replacement		100,000					100,000
Schoenbar Road Water/Sewer Improvements		60,000	574,000			246,000	880,000
Woodland Ave. Water/Sewer Improvements		25,000	137,000			58,000	220,000
Water St. Trestle #2 Water/Sewer Improvements		75,000	308,000			132,000	515,000
Tongass Ave Water & Sewer Impr. Phase III		40,000	1,441,300			617,700	2,099,000
Confidence Reservoir Replacement-Design		30,000	70,000				100,000
<b>Water Division Total</b>	<b>1,820,357</b>	<b>1,075,456</b>	<b>13,017,619</b>		<b>150,000</b>	<b>5,541,345</b>	<b>21,604,777</b>
<b>TOTAL</b>	<b>7,316,931</b>	<b>23,248,221</b>	<b>36,109,619</b>	<b>231,556</b>	<b>5,350,000</b>	<b>5,541,345</b>	<b>77,797,672</b>

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program**

**Division: Administration**

Project Title	Priority	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Financial & Accounting Information System	1	43,358	429,724	2,776	432,500					432,500		475,858
<b>Total</b>		43,358	429,724	2,776	432,500					432,500		475,858
Source of Funds		Prior Years	Reappropriated	New Funding	Total	2011	2012	2013	2014	Five Year Total	Future Years	Total Project
Revenue Generating Fund		43,358	429,724	2,776	432,500					432,500		475,858
<b>Total</b>		43,358	429,724	2,776	432,500					432,500		475,858

<b>Division:</b> Administration	<b>Project Priority:</b> 1	<b>Project Number:</b> 415-010-514-50-94
<b>Project Title:</b> Financial & Accounting Information System	<b>Start Date:</b> 01/08 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> This project will involve the replacement of the City's financial and accounting information systems. The City's current systems are approximately 25 years old. The City has engaged the Government Finance Officers Association's Research and Consulting Division to review the City's current systems, develop an independent needs assessment and to prepare contract solicitation documents. The total project is expected to cost \$952,000. It has been proposed that one-half of the project be paid for by General Government and one-half be paid for by KPU.		Design Land/Right-of-Way Construction Management 43,358 Training and Education 7,500 Equipment Other 425,000 Project Total 475,858

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	43,358	429,724	2,776	432,500					432,500		475,858
<b>Total</b>	43,358	429,724	2,776	432,500					432,500		475,858

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program**

**Division: Sales, Marketing, and Customer Service**

Project Title	Priority	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Vehicle Acquisition	1			12,000	12,000					12,000		12,000
PC Hardware & Software	2			26,000	26,000					26,000		26,000
<b>Total</b>				38,000	38,000					38,000		38,000

  

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			38,000	38,000					38,000		38,000
<b>Total</b>			38,000	38,000					38,000		38,000

<b>Division:</b> Sales, Marketing, and Customer Service	<b>Project Priority:</b> 1	<b>Project Number:</b>
<b>Project Title:</b> Vehicle Acquisition	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> This account provides for the purchase one vehicle to be shared between and utilized by the Sales/Marketing Managers and the Sales, Marketing and Customer Service Division Manager to provide transportation to business customer locations and to related KPU offices.		Design Land/Right-of-Way Construction Management Construction Equipment 29,000 Other Project Total 29,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			12,000	12,000					12,000		12,000
<b>Total</b>			12,000	12,000					12,000		12,000

<b>Division:</b> Sales, Marketing, and Customer Service	<b>Project Priority:</b> 2	<b>Project Number:</b>
<b>Project Title:</b> PC Hardware & Software	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> This account provides for the cost of replacement computers and monitors. This also projects purchase of a high quality video camera for local television content filming (\$14,000) and purchase of a computer server for local television content production (\$12,000).		Design Land/Right-of-Way Construction Management Construction Equipment 26,000 Other Project Total 26,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			26,000	26,000					26,000		26,000
<b>Total</b>			26,000	26,000					26,000		26,000

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program**

**Division: Electric**

Project Title	Priority	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
<b>Generation (Hydro and Diesel) Projects</b>												
Breaker Changes driven by SC Study	4			300,000	300,000					300,000		300,000
Ketchikan Generator Step-up Transformer	5		188,000		188,000					188,000		188,000
Whitman Lake Hydroelectric Plant	12	2,007,028		7,292,000	7,292,000	10,700,000				17,992,000		19,999,028
Beaver Falls Unit 1 Exciter	16			30,000	30,000					30,000		30,000
Ketchikan Unit 3 Exciter	17			110,000	110,000					110,000		110,000
Bailey Exhaust Stack Coating	27					50,000				50,000		50,000
Metlakatla - Ketchikan Intertie	29						250,000			250,000		250,000
<b>Transmission and Distribution Projects</b>												
Bethe Substation	1	50,000		300,000	300,000	5,000,000				5,300,000		5,350,000
Pennock Island and Gravina Cable Replacement	2	100,000	135,000		135,000					135,000		235,000
34.5 kV Line Switches	6			15,000	15,000	45,000	30,000			90,000		90,000
URD Vault #3 Replacement	7	35,459	50,000		50,000	373,800				423,800		459,259
Silvis Breaker	8			22,000	22,000					22,000		22,000
Distribution Pole Replacement	11	1,940,055		100,000	100,000	550,000	325,000	234,945		1,209,945		3,150,000
Transformer Purchase	13			100,000	100,000	100,000	100,000	100,000	100,000	500,000		500,000
Ward Cove Sectionalizing Breaker (34.5 kV)	15					30,000				30,000		30,000
Reimbursable Projects	24			158,000	158,000	158,000	158,000	158,000	158,000	790,000		790,000
Shoal Cove Distribution Line	25	328,444	231,556		231,556					231,556		560,000
<b>Automation Control and Data Technologies</b>												
RTU Replacements	9		20,000		20,000					20,000		20,000
Automatic Meter Reading	28	874,759				300,000	300,000	300,000	300,000	1,200,000		2,074,759
<b>General Plant Projects</b>												
PCB/Transformer Containment and Storage	3			50,000	50,000	50,000				100,000		100,000
N. Pt. Higgins Diesel Louvres	10			10,000	10,000					10,000		10,000
Vehicles & Moving Equipment	14			60,000	60,000	502,500	115,000	115,000	115,000	907,500		907,500
Electric Warehouse Roof and Siding	18					200,000				200,000		200,000
Electric Admin Building Roof	19			85,000	85,000					85,000		85,000
Beaver Falls Exterior Coating	20					225,000				225,000		225,000
Bailey Control HVAC	21			75,000	75,000					75,000		75,000
Operating Equipment	22			127,020	127,020	74,000	80,000	80,000	80,000	441,020		441,020
Additional Projects	23			150,000	150,000	150,000	150,000	150,000	150,000	750,000		750,000
Raptor Protection Program	26	72,119		5,000	5,000	25,000	15,000	15,000	15,000	75,000		147,119
Electric Service Center	30	45,352				500,000	4,700,000			5,200,000		5,245,352
<b>Total</b>		5,453,216	624,556	8,989,020	9,613,576	19,033,300	6,223,000	1,152,945	918,000	36,940,821		42,394,037
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project	
		Reappropriated	New Funding	Total	2011	2012	2013	2014				
Revenue Generating Fund	5,124,772	393,000	1,847,020	2,240,020	2,833,300	1,273,000	1,152,945	918,000	8,417,265		13,542,037	
Revenue Bonds					500,000	4,700,000			5,200,000		5,200,000	
USCG Appropriation	328,444	231,556		231,556					231,556		560,000	
State Grant			7,142,000	7,142,000	15,700,000	250,000			23,092,000		23,092,000	
<b>Total</b>	5,453,216	624,556	8,989,020	9,613,576	19,033,300	6,223,000	1,152,945	918,000	36,940,821		42,394,037	

<b>Division:</b> Electric	<b>Project Priority:</b> 1	<b>Project Number:</b>
<b>Project Title:</b> Bethe Substation	<b>Start Date:</b> 09/09 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> Bethe Substation is nearing its full capacity and in December 2008 exceeded the rating of the 5 MVA transformer. In addition to a concentrated residential zone, schools, the hospital and the Southeast Alaska College Campus are fed from this substation. As much as 3 MW of additional load is planned in the near future by the school district for conversion to electric boilers that will be fed from this substation. Replacement or modification of this substation to handle identified load growth is critical to Ketchikan's infrastructure.		Design 350,000 Land/Right-of-Way 100,000 Construction Management 100,000 Construction 4,250,000 Equipment 550,000 Other Project Total 5,350,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund State Grants	50,000		300,000	300,000	5,000,000				300,000 5,000,000		350,000 5,000,000
<b>Total</b>	50,000		300,000	300,000	5,000,000				5,300,000		5,350,000

<b>Division:</b> Electric		<b>Project Priority:</b> 2		<b>Project Number:</b>							
<b>Project Title:</b> Pennock Island and Gravina Cable Replacement		<b>Start Date:</b> 01/09		<b>Estimated Project Cost:</b>							
<b>Description:</b> The submarine cables providing power from Ketchikan to Pennock Island and the southern end of Gravina are deteriorated and not properly protected at the island's beaches. The two sections of submarine cable will be replaced, armored and protected at the beach landings.		<b>End Date:</b> 12/10		Design							
				Land/Right-of-Way							
				Construction Management							
				Construction 235,000							
				Equipment							
				Other							
				Project Total 235,000							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	100,000	135,000		135,000					135,000		235,000
<b>Total</b>	100,000	135,000		135,000					135,000		235,000

<b>Division:</b> Electric					<b>Project Priority:</b> 3				<b>Project Number:</b>		
<b>Project Title:</b> PCB/Transformer Containment and Storage					<b>Start Date:</b> 01/10 <b>End Date:</b> 12/11				<b>Estimated Project Cost:</b>		
<b>Description:</b> Electric's storage and management of PCB laden equipment does not meet the EPA's management and storage requirements. This project will provide for appropriate PCB and other transformer storage containment and management.									Design Land/Right-of-Way Construction Management Construction 100,000 Equipment Other Project Total 100,000		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			50,000	50,000	50,000				100,000		100,000
<b>Total</b>			50,000	50,000	50,000				100,000		100,000

<b>Division:</b> Electric		<b>Project Priority:</b> 4		<b>Project Number:</b>							
<b>Project Title:</b> Breaker Changes driven by SC Study		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design 30,000							
A KPU system short circuit study is underway to assure adequate interrupting capability in the event of a fault considering the additional fault energy added with the Swan Lake/Lake Tyee Intertie. This need should be determined in the early fall of 2009.				Land/Right-of-Way							
Transfer trip schemes will be set-up in late 2009 to mitigate any deficiencies pending breaker replacements in 2010.				Construction Management							
Preliminary results from EPS show maximum fault currents exceed fault interrupting ratings on six generator breakers.				Construction 50,000							
				Equipment 220,000							
				Other							
				Project Total 300,000							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			300,000	300,000					300,000		300,000
<b>Total</b>			300,000	300,000					300,000		300,000

<b>Division:</b> Electric					<b>Project Priority:</b> 5				<b>Project Number:</b>		
<b>Project Title:</b> Ketchikan Generator Step-up Transformer					<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10				<b>Estimated Project Cost:</b>		
<b>Description:</b> The Ketchikan generator step up (GSU) transformer has a history of gassing, reflecting an internal problem with the electrical components. Periodic testing throughout early 2009 by gas analysis indicates overheating of the insulating oil and a failure will eventually occur.									Design 20,000 Land/Right-of-Way Construction Management Construction 43,000 Equipment 125,000 Other Project Total 188,000		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund		188,000		188,000					188,000		188,000
<b>Total</b>		188,000		188,000					188,000		188,000

<b>Division:</b> Electric					<b>Project Priority:</b> 6				<b>Project Number:</b>		
<b>Project Title:</b> 34.5 kV Line Switches					<b>Start Date:</b> 01/10 <b>End Date:</b> 12/12				<b>Estimated Project Cost:</b>		
<b>Description:</b> Various switches (manual) along the 34.5 kV sub-transmission line are deteriorated and difficult to operate. These switches are necessary for safety clearances during maintenance or repairs. This multi-year program will provide for replacement starting with highest priority by condition.									Design Land/Right-of-Way Construction Management Construction 20,000 Equipment 70,000 Other Project Total 90,000		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			15,000	15,000	45,000	30,000			90,000		90,000
<b>Total</b>			15,000	15,000	45,000	30,000			90,000		90,000

<b>Division:</b> Electric		<b>Project Priority:</b> 7		<b>Project Number:</b> 415-071-605-11-xx							
<b>Project Title:</b> URD Vault #3 Replacement		<b>Start Date:</b> 01/05		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/11		Design 50,000							
<p>The current vault is badly degraded. Salt water has destroyed the reinforcing rod in the concrete walls. This project will provide the opportunity to upgrade the existing vaults to an above ground installation. Foundation and pad for cabinet have been installed. The project will require extensive street work &amp; paving.</p>				Land/Right-of-Way							
				Construction Management							
				Construction 409,259							
				Equipment							
				Other							
				Project Total 459,259							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	35,459	50,000		50,000	373,800				423,800		459,259
<b>Total</b>	35,459	50,000		50,000	373,800				423,800		459,259

<b>Division:</b> Electric		<b>Project Priority:</b> 8		<b>Project Number:</b>							
<b>Project Title:</b> Silvis Breaker		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design 2,000							
Install new breaker to protect the 34.5 kV line between Beaver Falls and Silvis. The current breaker is unreliable and parts are no longer available. The breaker is on-hand. This budget request is for construction and related relay protection.				Land/Right-of-Way							
				Construction Management							
				Construction 10,000							
				Equipment 10,000							
				Other		Project Total 22,000					
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			22,000	22,000					22,000		22,000
<b>Total</b>			22,000	22,000					22,000		22,000

<b>Division:</b> Electric		<b>Project Priority:</b> 9		<b>Project Number:</b> 415-071-604-16-xx							
<b>Project Title:</b> RTU Replacements		<b>Start Date:</b> 01/03		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design							
<p>RTU replacement in the substations includes breaker/re-closer control upgrades. Some of these controls have begun to exhibit erratic behavior and as such, cannot be relied upon to perform reliably or safely. Much of this work is complete but there remains two legacy Wismer-Becker RTU's at Ketchikan and Mountain Point that remain in the system and must be replaced.</p>				Land/Right-of-Way							
				Construction Management							
				Construction		5,000					
				Equipment		15,000					
				Other							
		Project Total		20,000							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund		20,000		20,000					20,000		20,000
<b>Total</b>		20,000		20,000					20,000		20,000

<b>Division:</b> Electric		<b>Project Priority:</b> 10		<b>Project Number:</b>							
<b>Project Title:</b> N. Pt. Higgins Diesel Louvres		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b> Addition of louvres at the Pt. Higgins diesel Caterpillar generators will help retain heat inside the engine/generator box for improved starting reliability of the equipment. Additionally, the louvres will reduce rain and dirt entry into the boxes improving starting and overall operational capability.		<b>End Date:</b> 12/10		Design							
				Land/Right-of-Way							
				Construction Management							
				Construction 2,000							
				Equipment 8,000							
				Other							
				Project Total 10,000							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			10,000	10,000					10,000		10,000
<b>Total</b>			10,000	10,000					10,000		10,000

<b>Division:</b> Electric	<b>Project Priority:</b> 11	<b>Project Number:</b> 415-071-604-11-xx
<b>Project Title:</b> Distribution Pole Replacement	<b>Start Date:</b> 01/05 <b>End Date:</b> 12/13	<b>Estimated Project Cost:</b>
<b>Description:</b> This on-going project will replace all of the deteriorated cedar poles in the distribution system.		Design Land/Right-of-Way Construction Management Construction 3,150,000 Equipment Other Project Total 3,150,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	1,940,055		100,000	100,000	550,000	325,000	234,945		1,209,945		3,150,000
<b>Total</b>	1,940,055		100,000	100,000	550,000	325,000	234,945		1,209,945		3,150,000

<b>Division:</b> Electric	<b>Project Priority:</b> 12	<b>Project Number:</b> 410-071-607-08-xx
<b>Project Title:</b> Whitman Lake Hydroelectric Plant	<b>Start Date:</b> 01/07 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> This project will use water from the existing Whitman Lake reservoir to generate up to 15,000,000 kWh of electricity for KPU Electric Division customers. Projected load increases require this additional generation. The FERC license was issued in March of 2009.		Design/License 2,407,028 Land/Right-of-Way 42,000 Construction Management Construction 11,550,000 Equipment 6,000,000 Other Project Total 19,999,028
2010: Additional Engineering/Regulatory \$ 400,000 Land/Right-of-Way \$ 42,000 Hatchery Area Laydown Area Construction \$ 200,000 Access Road Construction/Survey \$ 650,000 Equipment Procurement \$ 6,000,000		
2011: Civil/Installation Contract \$ 10,700,000		

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund State Grants	2,007,028		150,000 7,142,000	150,000 7,142,000	10,700,000				150,000 17,842,000		2,157,028 17,842,000
<b>Total</b>	2,007,028		7,292,000	7,292,000	10,700,000				17,992,000		19,999,028

<b>Division:</b> Electric					<b>Project Priority:</b> 13				<b>Project Number:</b>		
<b>Project Title:</b> Transformer Purchase					<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14				<b>Estimated Project Cost:</b> Design Land/Right-of-Way Construction Management Construction Equipment 500,000 Other Project Total 500,000		
<b>Description:</b> KPU has historically seen demands of 3-5 kW per residence for residential service. Typically, a 25 kW distribution transformer has been installed to serve 5-7 residences. Due to the rapid conversion from oil heat, many residences are requiring a 10-15 kW electric heating system which will quickly overload existing distribution service transformers. Many of KPU's existing service transformers will be overloaded and will require replacement.											
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			100,000	100,000	100,000	100,000	100,000	100,000	500,000		500,000
<b>Total</b>			100,000	100,000	100,000	100,000	100,000	100,000	500,000		500,000



<b>Division:</b> Electric		<b>Project Priority:</b> 15		<b>Project Number:</b>							
<b>Project Title:</b> Ward Cove Sectionalizing Breaker (34.5 kV)		<b>Start Date:</b> 01/11		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/11		Design							
<p>In the event of problems on the 34.5 kV sub-transmission line north of Ketchikan, substations and customers north from Bailey must be de energized for repair. An additional sectionalizing breaker at Ward Cove would, under some circumstances, allow another 800 customers to remain in service under some operational problems. This is similar to sectionalizing that can occur south of Ketchikan at Mountain Point. Control would be remote from Bailey operations. A breaker is on hand. Budgeted cost is for labor and miscellaneous parts and controls.</p>				Land/Right-of-Way							
				Construction Management							
				Construction		30,000					
				Equipment							
				Other							
				Project Total		30,000					
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund					30,000				30,000		30,000
<b>Total</b>					30,000				30,000		30,000

<b>Division:</b> Electric		<b>Project Priority:</b> 16		<b>Project Number:</b>							
<b>Project Title:</b> Beaver Falls Unit 1 Exciter		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design 3,000							
Excitation equipment on Beaver Falls Unit No. 1 performs slowly and does not compensate with Unit Nos. 3 & 4 during voltage changes. Unit No. 1 is a rotating exciter with a rheostat voltage regulator. Replacement of the rheostat with a controller to work with the rotating exciter should improve response and compensation with Unit Nos. 3 and 4 static exciters.				Land/Right-of-Way							
				Construction Management							
				Construction		5,000					
				Equipment		22,000					
				Other							
				Project Total		30,000					
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			30,000	30,000					30,000		30,000
<b>Total</b>			30,000	30,000					30,000		30,000

<b>Division:</b> Electric		<b>Project Priority:</b> 17		<b>Project Number:</b>							
<b>Project Title:</b> Ketchikan Unit 3 Exciter		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design 10,000							
Excitation equipment on Ketchikan Unit No. 3 is dated technology, no longer supported by GE for parts. The Unit No. 3 exciter is less reliable, and cross compensation with Unit Nos. 4 and 5 Basler exciters is not optimal, making voltage control more difficult.				Land/Right-of-Way							
				Construction Management							
				Construction							
				Equipment 75,000							
				Other 25,000							
				Project Total 110,000							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			110,000	110,000					110,000		110,000
<b>Total</b>			110,000	110,000					110,000		110,000

<b>Division:</b> Electric	<b>Project Priority:</b> 18	<b>Project Number:</b>
<b>Project Title:</b> Electric Warehouse Roof and Siding	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> The warehouse roof is leaking and has been patched as needed over the past several years. The ceiling insulation system drops condensation water during the winter. The warehouse siding is exhibiting significant corrosion and there are small holes into the warehouse. The warehouse is part of a long term plan to upgrade and utilize the existing property at 1065 Fair Street as the permanent Electric Division Service Center.		Design Land/Right-of-Way Construction Management Construction 200,000 Equipment Other Project Total 200,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund						200,000				200,000		200,000
<b>Total</b>						200,000				200,000		200,000

<b>Division:</b> Electric		<b>Project Priority:</b> 19		<b>Project Number:</b>							
<b>Project Title:</b> Electric Admin Building Roof		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design							
Leakage from snow and rain into the Electric Admin offices have become more prevalent, resulting in internal damage and repair cost in recent years. The \$85,000 budgeted was based on an estimate obtained the summer of 2009 for a membrane overlay. This project will extend the life of the Electric Division meter shop and offices until such a time that a new service center can be constructed on the existing property.				Land/Right-of-Way							
				Construction Management							
				Construction		85,000					
				Equipment							
				Other							
				Project Total		85,000					
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			85,000	85,000					85,000		85,000
<b>Total</b>			85,000	85,000					85,000		85,000

<b>Division:</b> Electric					<b>Project Priority:</b> 20				<b>Project Number:</b>		
<b>Project Title:</b> Beaver Falls Exterior Coating					<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11				<b>Estimated Project Cost:</b>		
<b>Description:</b> The paint on the exterior walls of Beaver Falls Plant contains asbestos and is flaking off, leaving the structural concrete exposed to the elements. This project will provide for exterior asbestos abatement and removal of old paint, and the application of a new weather-resistant coating.									Design Land/Right-of-Way Construction Management Construction 225,000 Equipment Other Project Total 225,000		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund					225,000				225,000		225,000
<b>Total</b>					225,000				225,000		225,000

<b>Division:</b> Electric	<b>Project Priority:</b> 21	<b>Project Number:</b>
<b>Project Title:</b> Bailey Control HVAC	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b>  The Bailey control room and adjacent SCADA shop HVAC is not controllable. Temperature is not evenly controlled resulting in extreme cold in the SCADA shop in the winter and very warm in the summer. Air balance is incorrect in that fumes are at times pulled in off the diesel floor into the control room and SCADA shop.		Design Land/Right-of-Way Construction Management Construction 75,000 Equipment Other Project Total 75,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			75,000	75,000					75,000		75,000
<b>Total</b>			75,000	75,000					75,000		75,000

<b>Division:</b> Electric	<b>Project Priority:</b> 22	<b>Project Number:</b>
<b>Project Title:</b> Operating Equipment	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> Purchase of new or replacement equipment for the Electric engineer, warehouse, meter shop, transformer shop, maintenance, and Bailey Powerhouse. This equipment will be used in the maintenance department and for the operation and maintenance of electrical service.		Design Land/Right-of-Way Construction Management Construction Equipment 441,020 Other Project Total 441,020
Bailey Air Compressor Replacement \$ 15,000 150 Ton Hydraulic Press \$ 25,000 Substation and Powerhouse Meters \$ 10,000 Recorder (Sequence of Events) Equipment \$ 10,000 Meter Replacements & Parts \$ 45,000 Current & Potential Transformers \$ 15,000 Engine Scanner/Analyzer \$ 7,020		

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			127,020	127,020	74,000	80,000	80,000	80,000	441,020		441,020
<b>Total</b>			127,020	127,020	74,000	80,000	80,000	80,000	441,020		441,020

<b>Division:</b> Electric		<b>Project Priority:</b> 23		<b>Project Number:</b> 415-071-679-99-xx							
<b>Project Title:</b> Additional Projects		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/14		Design							
<p>This project represents funds for materials and labor for unidentified jobs that the division will be called upon to perform in 2010. Examples of additional projects include the installation of new transformers and banks of transformers, upgrading existing transformers and banks, and upgrading secondary lift poles. These non-reimbursable projects are O&amp;M in nature but are capital since they are new installations.</p>				Land/Right-of-Way							
				Construction Management							
				Construction		750,000					
				Equipment							
				Other							
		<b>Project Total</b>		750,000							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			150,000	150,000	150,000	150,000	150,000	150,000	750,000		750,000
<b>Total</b>			150,000	150,000	150,000	150,000	150,000	150,000	750,000		750,000

<b>Division:</b> Electric		<b>Project Priority:</b> 24		<b>Project Number:</b> 415-071-658-99-xx							
<b>Project Title:</b> Reimbursable Projects		<b>Start Date:</b> 01/10		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/14		Design							
<p>This account represents funds for materials and labor for work that the division will be called upon to perform at the request of outside agencies. Examples of such reimbursable projects are new line extensions, damage to the electrical system resulting from accidents, negligence and vandalism. The division's expectation is that such work will be reimbursed 100%.</p>				Land/Right-of-Way							
				Construction Management							
				Construction		790,000					
				Equipment							
				Other							
		<b>Project Total</b>		<b>790,000</b>							
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			158,000	158,000	158,000	158,000	158,000	158,000	790,000		790,000
<b>Total</b>			158,000	158,000	158,000	158,000	158,000	158,000	790,000		790,000

<b>Division:</b> Electric		<b>Project Priority:</b> 25		<b>Project Number:</b>							
<b>Project Title:</b> Shoal Cove Distribution Line Extension		<b>Start Date:</b> 01/09		<b>Estimated Project Cost:</b>							
<b>Description:</b>		<b>End Date:</b> 12/10		Design 362,540							
<p>This project will provide a new 12.47 kV distribution line and substation from Shelter Cove to Shoal Cove to provide industrial electrical service to U.S. Coast Guard LORAN Station Shoal Cove. The design, permitting, and layout of the project will be funded by the USCG. Construction funding is proposed via KPU provided financing.</p>				Land/Right-of-Way 68,330							
				Construction Management							
				Construction							
				Equipment							
				Other 129,130							
				Project Total 560,000							
Source of Funds	Prior Years	Adopted 2009			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2010	2011	2012	2013			
USCG Appropriation	328,444	231,556		231,556					231,556		560,000
<b>Total</b>	328,444	231,556		231,556					231,556		560,000

<b>Division:</b> Electric					<b>Project Priority:</b> 26				<b>Project Number:</b>			
<b>Project Title:</b> Raptor Protection Program					<b>Start Date:</b> 01/00 <b>End Date:</b> 12/14				<b>Estimated Project Cost:</b>			
<b>Description:</b> This regulatory-driven program is ongoing and adds protective devices to the system at sites that have been determined to pose a risk to raptors as well as other wildlife.									Design Land/Right-of-Way Construction Management Construction 147,119 Equipment Other Project Total 147,119			
Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund		72,119		5,000	5,000	25,000	15,000	15,000	15,000	75,000		147,119
<b>Total</b>		72,119		5,000	5,000	25,000	15,000	15,000	15,000	75,000		147,119

<b>Division:</b> Electric					<b>Project Priority:</b> 27				<b>Project Number:</b>		
<b>Project Title:</b> Bailey Exhaust Stack Coating					<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11				<b>Estimated Project Cost:</b>		
<b>Description:</b> Bailey #3 stack coating has failed and requires replacement. Properly coated stack will ensure adequate service life of equipment.									Design/License Land/Right-of-Way Construction Management Construction 50,000 Equipment Other Project Total 50,000		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund					50,000				50,000		50,000
<b>Total</b>					50,000				50,000		50,000

<b>Division:</b> Electric	<b>Project Priority:</b> 28	<b>Project Number:</b> 415-071-605-14-xx
<b>Project Title:</b> Automatic Meter Reading	<b>Start Date:</b> 01/05 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> Initiate Automatic Meter Reading for the KPU service area. Benefits include: reduction in labor costs, increase in useful information needed for system modeling and operations, automatic outage reporting and more accurate reading of the meters. Implementation will be extended over a longer period of time to continue technical evaluation of project.		Design Land/Right-of-Way Construction Management Construction 2,074,759 Equipment Other Project Total 2,074,759

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	874,759				300,000	300,000	300,000	300,000	1,200,000		2,074,759
<b>Total</b>	874,759				300,000	300,000	300,000	300,000	1,200,000		2,074,759

<b>Division:</b> Electric	<b>Project Priority:</b> 29	<b>Project Number:</b>
<b>Project Title:</b> Metlakatla - Ketchikan Intertie	<b>Start Date:</b> 01/09 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> KPU funding in 2011 provides for the construction of the interconnection at Mountain Point substation. The full project under the management and funding responsibility of Metlakatla Power and Light (MP&L) is for an overhead 34.5 kV transmission line from Metlakatla to Walden Point, the installation of approximately 3/4 mile of 34.5 kV submarine cable, and modifications to the KPU Mountain Point substation to interconnect KPU Electric and MP&L. This will allow excess generation capacity at Metlakatla to be utilized by KPU to displace diesel generation and improve system stability for both utilities.		Design/License Land/Right-of-Way Construction Management Construction 250,000 Equipment Other Project Total 250,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grants						250,000			250,000		250,000
<b>Total</b>						250,000			250,000		250,000

<b>Division:</b> Electric	<b>Project Priority:</b> 30	<b>Project Number:</b>
<b>Project Title:</b> Electric Service Center	<b>Start Date:</b> 01/00 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b>  This project provides for the construction of a new Electric Division Service Center. For a number of years, the present facility located at 1065 Fair Street has been inadequate for the needs of the Electric Division.		Design 45,352 Land/Right-of-Way Construction Management Construction 5,200,000 Equipment Other Project Total 5,245,352

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund Revenue Bond		45,352				500,000	4,700,000			5,200,000		45,352 5,200,000
<b>Total</b>		45,352				500,000	4,700,000			5,200,000		5,245,352

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program**

**Division: Telecommunications**

Project Title	Priority	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
<b>REGULATED</b>												
Normal Growth and Repair - CO Switching	1			40,000	40,000	40,000	40,000	40,000	40,000	200,000		200,000
Normal Growth and Repair - Copper Cable	2			25,000	25,000	25,000	25,000	25,000	25,000	125,000		125,000
Normal Growth and Repair - Fiber Cable	3			200,000	200,000	200,000	200,000	200,000	200,000	1,000,000		1,000,000
Normal Growth and Repair - CO Transmission	4			365,000	365,000	250,000	200,000	500,000	500,000	1,815,000		1,815,000
Normal Growth and Repair - Wireless	5			25,000	25,000	15,000	15,000	15,000	15,000	85,000		85,000
Normal Growth and Repair - Provisioning	6			150,000	150,000	25,000	25,000	25,000	25,000	250,000		250,000
Fiber to the Home	7			1,000,000	1,000,000	1,500,000	500,000			3,000,000		3,000,000
Remote Cabinets for Advanced Services	8			50,000	50,000	50,000	50,000	50,000	50,000	250,000		250,000
Operating Equipment	9			30,000	30,000	70,000	50,000	50,000	50,000	250,000		250,000
PC Hardware & Software	10			40,000	40,000	15,000	20,000	20,000	20,000	115,000		115,000
Pennock Island Transport	11			250,000	250,000					250,000		250,000
Gravina Island Buildout	12					100,000	100,000	100,000	100,000	400,000		400,000
Normal Growth and Repair - Buildings	13					80,000	50,000	25,000	25,000	180,000		180,000
Vehicle Acquisition	14					60,000	110,000	140,000	200,000	510,000		510,000
Phone System	15					30,000				30,000		30,000
Switch Upgrade	16							750,000		750,000		750,000
<b>NON-REGULATED</b>												
Headend Expansion	17			150,000	150,000	200,000	100,000	100,000	100,000	650,000		650,000
Video Set Top Boxes	18			125,000	125,000	100,000	100,000	100,000	100,000	525,000		525,000
Microwave Link	19					1,975,000				1,975,000		1,975,000
3G Cellular Network	20			50,000	50,000	75,000	800,000			925,000		925,000
<b>Total</b>				2,500,000	2,500,000	4,810,000	2,385,000	2,140,000	1,450,000	13,285,000		13,285,000
<b>Source of Funds</b>												
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project	
		Reappropriated	New Funding	Total	2011	2012	2013	2014				
Revenue Generating Fund				2,500,000	2,500,000	4,810,000	2,385,000	2,140,000	1,450,000	13,285,000		13,285,000
<b>Total</b>				2,500,000	2,500,000	4,810,000	2,385,000	2,140,000	1,450,000	13,285,000		13,285,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 1	<b>Project Number:</b> 706-99
<b>Project Title:</b> Normal Growth and Repair - Central Office Switching	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item is for switching upgrades and additional equipment required for Central Office Switching.		Design 5,000 Land/Right-of-Way Construction Management Construction 10,000 Equipment 185,000 Other Project Total 200,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			40,000	40,000	40,000	40,000	40,000	40,000	200,000		200,000
<b>Total</b>				40,000	40,000	40,000	40,000	40,000	40,000	200,000		200,000

<b>Division:</b> Telecommunications  <b>Project Title:</b> Normal Growth and Repair - Copper Cable  <b>Description:</b> This budget item will fund the replacement of existing deteriorated cables and other minor cable projects, including line extensions. This budget item will also fund cable, cross arms and miscellaneous hardware needed to reconnect to poles replaced by the Electric Division. This item has been significantly reduced from prior years, as our focus moves to fiber cable.	<b>Project Priority:</b> 2  <b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Project Number:</b> 700-99  <b>Estimated Project Cost:</b> Design 5,000 Land/Right-of-Way Construction Management Construction 50,000 Equipment 70,000 Other Project Total 125,000
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Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			25,000	25,000	25,000	25,000	25,000	25,000	125,000		125,000
<b>Total</b>				25,000	25,000	25,000	25,000	25,000	25,000	125,000		125,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 3	<b>Project Number:</b> 701-99
<b>Project Title:</b> Normal Growth and Repair - Fiber Cable	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item will provide funds that will be used to add fiber optic connectivity for various business data circuits, and other smaller fiber projects necessary for the efficient operation of the utility. Additionally, KPU will begin installing fiber drops to customers for fiber to the home which will come from this budget item. Much of the fiber drop expense is for our internal crews labor to install the drop.		Design 20,000 Land/Right-of-Way Construction Management Construction 550,000 Equipment 430,000 Other Project Total 1,000,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			200,000	200,000	200,000	200,000	200,000	200,000	1,000,000		1,000,000
<b>Total</b>				200,000	200,000	200,000	200,000	200,000	200,000	1,000,000		1,000,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 4	<b>Project Number:</b> 702-99
<b>Project Title:</b> Normal Growth and Repair - Central Office Transmission	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item will fund the purchase and installation of additional Intelligent Network Interface Devices (NIDS), and Optical Network Terminals (ONTS) needed to keep up with customer demand for IP video services. We also budgeted for adding air conditioning to some of our remote cabinets that were overheating during the summer of 2009. This budget item will also fund the purchase and installation of fiber ports to connect end user customers to Voice, TV and DSL services over fiber. This item is also for provisioning new transmission services to customers such as digital data service, T1, etc.		Design 45,375 Land/Right-of-Way Construction Management Construction 226,875 Equipment 1,542,750 Other Project Total 1,815,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			365,000	365,000	250,000	200,000	500,000	500,000	1,815,000		1,815,000
<b>Total</b>				365,000	365,000	250,000	200,000	500,000	500,000	1,815,000		1,815,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 5	<b>Project Number:</b> 703-99
<b>Project Title:</b> Normal Growth and Repair - Wireless	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item will provide funds to purchase 700 MHz radio equipment that will be used to serve remote locations within the division's serving area as well as mobile data services for the Police and Fire Departments.		Design 2,125 Land/Right-of-Way Construction Management Construction 8,500 Equipment 74,375 Other Project Total 85,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			25,000	25,000	15,000	15,000	15,000	15,000	85,000		85,000
<b>Total</b>				25,000	25,000	15,000	15,000	15,000	15,000	85,000		85,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 6	<b>Project Number:</b> 704-99
<b>Project Title:</b> Normal Growth and Repair - Provisioning	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> We added funding to this item to upgrade our billing platform to iCommVergence. This upgrade adds functionality that will prompt our sales force for upsell possibilities which will help drive increased sales. Additionally, this budget item will provide funds to continue to automate the provisioning of services in order to provide excellent customer satisfaction by providing timely service. This will also help to make our operations more efficient by automating routine tasks.		Design Land/Right-of-Way Construction Management Construction Equipment 250,000 Other Project Total 250,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			150,000	150,000	25,000	25,000	25,000	25,000	250,000		250,000
<b>Total</b>				150,000	150,000	25,000	25,000	25,000	25,000	250,000		250,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 7	<b>Project Number:</b> 781-01
<b>Project Title:</b> Fiber to the Home	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> This project will deploy the fiber cable and terminals necessary to bring fiber to the home technology to Ketchikan. The project was started in 2008 concentrating on areas with long loop lengths and new subdivisions. Starting in 2009, the focus shifted to the higher density areas within the city in order to reach more potential subscribers. The work will be primarily completed by contractors.		Design 75,000 Land/Right-of-Way Construction Management Construction 150,000 Equipment 2,775,000 Other Project Total 3,000,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			1,000,000	1,000,000	1,500,000	500,000			3,000,000		3,000,000
<b>Total</b>				1,000,000	1,000,000	1,500,000	500,000			3,000,000		3,000,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 8	<b>Project Number:</b> 702-01
<b>Project Title:</b> Remote Cabinets for Advanced Services	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> As demand for advanced services increases, the division will need to deploy additional cabinets in specific areas so KPU can meet bandwidth requirements. Cabinets deployed will be capable of providing both DSL and fiber connectivity to subscribers. KPU will replace and upgrade existing remotes as technology dictates.		Design 6,250 Land/Right-of-Way Construction Management Construction 18,750 Equipment 225,000 Other Project Total 250,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			50,000	50,000	50,000	50,000	50,000	50,000	250,000		250,000
<b>Total</b>				50,000	50,000	50,000	50,000	50,000	50,000	250,000		250,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 9	<b>Project Number:</b> 709-04-93
<b>Project Title:</b> Operating Equipment	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item will fund test equipment used by KPU technicians to test, repair and build high speed data and voice circuits. Anticipated purchases include:  Ribbon fiber splicing equipment IP testing equipment		Design Land/Right-of-Way Construction Management Construction Equipment 250,000 Other Project Total 250,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			30,000	30,000	70,000	50,000	50,000	50,000	250,000		250,000
<b>Total</b>				30,000	30,000	70,000	50,000	50,000	50,000	250,000		250,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 10	<b>Project Number:</b> 709-05-97
<b>Project Title:</b> PC Hardware and Software	<b>Start Date:</b> 01/10	<b>Estimated Project Cost:</b> Design Land/Right-of-Way Construction Management Construction Equipment 115,000 Other Project Total 115,000
<b>Description:</b> This budget item will allow for the replacement of outdated computers that have not been upgraded in at least six years.	<b>End Date:</b> 12/14	

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			40,000	40,000	15,000	20,000	20,000	20,000	115,000		115,000
<b>Total</b>				40,000	40,000	15,000	20,000	20,000	20,000	115,000		115,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 11	<b>Project Number:</b>
<b>Project Title:</b> Pennock Island Transport	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item will provide the funds to place submarine cable to Pennock Island to establish a higher bandwidth transport facility. This project will be done in conjunction with the Electric Division.		Design 2,500 Land/Right-of-Way Construction Management Construction Equipment 247,500 Other Project Total 250,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			250,000	250,000					250,000		250,000
<b>Total</b>				250,000	250,000					250,000		250,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 12	<b>Project Number:</b>
<b>Project Title:</b> Gravina Island Buildout	<b>Start Date:</b> 01/11	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget item will provide the funds for a buildout of the telecommunications plant in the Gravina Island area as additional access and development is achieved.	<b>End Date:</b> 12/14	Design 10,000 Land/Right-of-Way Construction Management Construction 40,000 Equipment 350,000 Other Project Total 400,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415					100,000	100,000	100,000	100,000	400,000		400,000
<b>Total</b>						100,000	100,000	100,000	100,000	400,000		400,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 13	<b>Project Number:</b> 709-01
<b>Project Title:</b> Normal Growth and Repair - Buildings	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> This budget will provide funding for leasehold improvements for the AT&T Alascom building. Few improvements have been made over the last 10 years at this site, and they are sorely needed. The main item will be to re-pave the telephone yard with asphalt. Other small interior re-moldeling projects are scheduled as well.		Design Land/Right-of-Way Construction Management Construction 18,000 Equipment 162,000 Other Project Total 180,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415					80,000	50,000	25,000	25,000	180,000		180,000
<b>Total</b>						80,000	50,000	25,000	25,000	180,000		180,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 14	<b>Project Number:</b> 709-02-92
<b>Project Title:</b> Vehicle Acquisition	<b>Start Date:</b> 01/11	<b>Estimated Project Cost:</b> Design Land/Right-of-Way Construction Management Construction Equipment 510,000 Other Project Total 510,000
<b>Description:</b> This budget item will purchase a new vehicle for the engineering department and replace one of the outside plant vans that are 10 years old.	<b>End Date:</b> 12/14	

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415					60,000	110,000	140,000	200,000	510,000		510,000
<b>Total</b>						60,000	110,000	140,000	200,000	510,000		510,000

<b>Division:</b> Telecommunications  <b>Project Title:</b> Phone System  <b>Description:</b> This budget item will provide the funds to installed a Hosted PBX system for KPU Telecommunications. <input type="checkbox"/>	<b>Project Priority:</b> 15  <b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Project Number:</b>  <b>Estimated Project Cost:</b> Design 250 Land/Right-of-Way Construction Management Construction 9,250 Equipment 20,500 Other Project Total 30,000
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Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415					30,000				30,000		30,000
<b>Total</b>						30,000				30,000		30,000

<p><b>Division:</b> Telecommunications</p> <p><b>Project Title:</b> Switch Upgrade</p> <p><b>Description:</b> This budget item will provide the funds to upgrade the primary switching platform in order to offer the newest services to the division's customers.</p>	<p><b>Project Priority:</b> 16</p> <p><b>Start Date:</b> 01/13</p> <p><b>End Date:</b> 12/13</p>	<p><b>Project Number:</b></p> <p><b>Estimated Project Cost:</b></p> <table border="0" style="width: 100%;"> <tr><td>Design</td><td style="text-align: right;">18,750</td></tr> <tr><td>Land/Right-of-Way</td><td></td></tr> <tr><td>Construction Management</td><td></td></tr> <tr><td>Construction</td><td style="text-align: right;">75,000</td></tr> <tr><td>Equipment</td><td style="text-align: right;">656,250</td></tr> <tr><td>Other</td><td></td></tr> <tr><td><b>Project Total</b></td><td style="text-align: right;"><b>750,000</b></td></tr> </table>	Design	18,750	Land/Right-of-Way		Construction Management		Construction	75,000	Equipment	656,250	Other		<b>Project Total</b>	<b>750,000</b>
Design	18,750															
Land/Right-of-Way																
Construction Management																
Construction	75,000															
Equipment	656,250															
Other																
<b>Project Total</b>	<b>750,000</b>															

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415							750,000		750,000		750,000
<b>Total</b>								750,000		750,000		750,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 17	<b>Project Number:</b> 708-01
<b>Project Title:</b> Headend Expansion	<b>Start Date:</b> 01/10	<b>Estimated Project Cost:</b>
<b>Description:</b>  This budget item will provide the funds to purchase new video on demand (VOD) equipment necessary to begin offering high definition movies. The VOD equipment is also at end of life and needs to be replaced. KPU will also continue to expand the CommVision channel lineup with high definition channels.	<b>End Date:</b> 12/14	Design 16,250
		Land/Right-of-Way
		Construction Management
		Construction 65,000
		Equipment 568,750
		Other
		Project Total 650,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	420			150,000	150,000	200,000	100,000	100,000	100,000	650,000		650,000
<b>Total</b>				150,000	150,000	200,000	100,000	100,000	100,000	650,000		650,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 18	<b>Project Number:</b> 708-02
<b>Project Title:</b> Video Set Top Boxes	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b>  This budget item will provide the funds to purchase set top boxes that will be used to deploy CommVision video services. Additionally, Personal Video Recorders (PVRs) will be purchased in order to be able to support time shifted television. Set top boxes that are replaced with personal video recorders will be redeployed to new customers who do not order PVRs.		Design Land/Right-of-Way Construction Management Construction Equipment 525,000 Other Project Total 525,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	420			125,000	125,000	100,000	100,000	100,000	100,000	525,000		525,000
<b>Total</b>				125,000	125,000	100,000	100,000	100,000	100,000	525,000		525,000

<b>Division:</b> Telecommunications	<b>Project Priority:</b> 19	<b>Project Number:</b> 788-03
<b>Project Title:</b> Microwave Link to Prince Rupert	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b>  This budget item will provide the funds to establish a microwave link between Ketchikan and Prince Rupert for use to transport data traffic. It is anticipated that in the short term, KPU will be able to purchase bandwidth on a contract basis, so this project has been moved out into the future. It still may be that KPU needs to build this facility.		Design Land/Right-of-Way Construction Management Construction 1,975,000 Equipment Other Project Total 1,975,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project	
			Reappropriated	New Funding	Total	2011	2012	2013	2014				
Revenue Generating Fund	420					1,975,000					1,975,000		1,975,000
<b>Total</b>						1,975,000					1,975,000		1,975,000

<p><b>Division:</b> Telecommunications</p> <p><b>Project Title:</b> 3G Cellular Network</p> <p><b>Description:</b>  This budget item will provide the funds to investigate and plan for KPU potentially offering a Wireless 3G product utilizing the AWS spectrum that KPU owns. This will encompass preliminary design, business plan, potential service offerings, roaming agreements, etc.</p>	<p><b>Project Priority:</b> 20</p> <p><b>Start Date:</b> 01/10</p> <p><b>End Date:</b> 12/11</p>	<p><b>Project Number:</b></p> <p><b>Estimated Project Cost:</b></p> <table border="0" style="width: 100%;"> <tr><td>Design</td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td></tr> <tr><td>Construction Management</td><td></td></tr> <tr><td>Construction</td><td></td></tr> <tr><td>Equipment</td><td style="text-align: right;">875,000</td></tr> <tr><td>Other</td><td style="text-align: right;">50,000</td></tr> <tr><td><b>Project Total</b></td><td style="text-align: right;"><b>925,000</b></td></tr> </table>	Design		Land/Right-of-Way		Construction Management		Construction		Equipment	875,000	Other	50,000	<b>Project Total</b>	<b>925,000</b>
Design																
Land/Right-of-Way																
Construction Management																
Construction																
Equipment	875,000															
Other	50,000															
<b>Project Total</b>	<b>925,000</b>															

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	415			50,000	50,000	75,000	800,000			925,000		925,000
<b>Total</b>				50,000	50,000	75,000	800,000			925,000		925,000

**Ketchikan Public Utilities  
2010 - 2014 Capital Improvement Program**

**Division: Water**

Project Title	Priority	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Office Remodel/Expansion	1			10,000	10,000					10,000		10,000
Tongass Ave. Water & Sewer Impr. Phase II	2			3,767,750	3,767,750					3,767,750		3,767,750
Baranof Reservoir Replacement	3	1,438,414		2,730,000	2,730,000					2,730,000		4,168,414
Water Distribution Grid Improvements	4			60,000	60,000					60,000		60,000
Creek Street Water/ Sewer Improvements	5			65,000	65,000					65,000		65,000
Additional Projects	6			40,000	40,000					40,000		40,000
Water Service Upgrade Program	7			30,000	30,000	10,000				40,000		40,000
Backflow Prevention Program	8			10,000	10,000	10,000				20,000		20,000
UV Facility Warehouse	9					300,000				300,000		300,000
Vehicles & Moving Equipment	10					32,000				32,000		32,000
Alaska Ave. Water/ Sewer Improvements	11					1,261,520				1,261,520		1,261,520
Jackson St., 4th & 7th Ave. Water/Sewer Impr	12					2,307,150				2,307,150		2,307,150
Project Management/Inspection Services	13			200,000	200,000					200,000		200,000
Buren Road Water/Sewer Improvements	14					135,000				135,000		135,000
Adams Street Water/Sewer Improvements	15						110,000			110,000		110,000
Austin Street Water/Sewer Improvements	16						465,000			465,000		465,000
Denali Avenue Water/Sewer Improvements	17						295,000			295,000		295,000
1st Ave & Jefferson St. Water/Sewer Impr.	18						120,000			120,000		120,000
Harris Street Water/Sewer Improvements	19						422,000			422,000		422,000
Shoreline Service Area	20	381,943						3,490,000		3,490,000	18,100,000	21,971,943
Highlands Reservoir Replacement	21					100,000				100,000	4,000,000	4,100,000
Schoenbar Road Water/Sewer Improvements	22					60,000		820,000		880,000		880,000
Woodland Ave. Water/ Sewer Improvements	23					25,000		195,000		220,000		220,000
Water St. Trestle # 2 Utility Replacement	24						75,000		440,000	515,000		515,000
Tongass Ave. Water & Sewer Impr. Phase III	25						40,000		2,059,000	2,099,000		2,099,000
Confidence Reservoir Replacement-Design	26						100,000			100,000		100,000
<b>Total</b>		1,820,357		6,912,750	6,912,750	4,240,670	1,627,000	4,505,000	2,499,000	19,784,420	22,100,000	43,704,777

  

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	561,886		265,000	265,000	665,456	145,000			1,075,456		1,637,342
Revenue Bonds	248,900		2,184,000	2,184,000					2,184,000		2,432,900
Proposed Revenue Bonds					982,645	424,000	1,351,000	749,700	3,507,345	3,915,000	7,422,345
State Grants	119,471		2,148,745	2,148,745					2,148,745		2,268,216
Proposed State Grants			2,315,005	2,315,005	2,592,569	1,058,000	3,154,000	1,749,300	10,868,874	15,470,000	26,338,874
Proposed Federal Grants	890,100										890,100
Shoreline LID										2,715,000	2,715,000
<b>Total</b>	1,820,357		6,912,750	6,912,750	4,240,670	1,627,000	4,505,000	2,499,000	19,784,420	22,100,000	43,704,777

<b>Department:</b> Water	<b>Project Priority:</b> 1	<b>Project Number:</b>
<b>Project Title:</b> Office Remode/Expansion	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> The Water Division administrative staff is in need of additional space. This project involves the remodel of the first floor of the KPU Administration Building, which was recently vacated by the Customer Service Division. The cost of the project will be shared equally between the Engineering and Water Divisions.		Design Land/Right-of-Way Construction Management Construction 10,000 Equipment Software Project Total 10,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund				10,000	10,000					10,000		10,000
<b>Total</b>				10,000	10,000					10,000		10,000

<b>Division:</b> Water	<b>Project Priority:</b> 2	<b>Project Number:</b>
<b>Project Title:</b> Tongass Avenue Water & Sewer Replacement - Phase II	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> Replace 2,715 feet of 10-inch cast iron water main along Tongass Avenue between The Landing Hotel and Third Avenue. This is the second segment of a multi-year program jointly developed by KPU and General Government to replace substandard, defective utilities simultaneously wherever possible. This work will be done in conjunction with the Wastewater Division's planned replacement of gravity and force main sewers in the project area. In addition to an already approved SFY 07 Municipal Matching Grant, an additional SFY10 70% Municipal Matching Grant was also approved. The remainder of the funding will come through the already approved Drinking Water Low-Interest Loan Fund. The design is complete and this phase is anticipated to be advertised for construction in the spring of 2010.		Design Land/Right-of-Way Construction Management 467,531 Construction 2,750,183 Equipment Other 550,036 Project Total 3,767,750

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
50% State Grant - Awarded SFY07				1,852,750	1,852,750					1,852,750		1,852,750
70% State Grant - Proposed SFY10				700,000	700,000					700,000		700,000
Revenue Bonds/Alaska Drinking Water Loan Fund				1,215,000	1,215,000					1,215,000		1,215,000
<b>Total</b>				<b>3,767,750</b>	<b>3,767,750</b>					<b>3,767,750</b>		<b>3,767,750</b>

<b>Division:</b> Water	<b>Project Priority:</b> 3	<b>Project Number:</b>
<b>Project Title:</b> Baranof Reservoir Replacement	<b>Start Date:</b> 10/07 <b>End Date:</b> 10/11	<b>Estimated Project Cost:</b>
<b>Description:</b> Construct replacement of the wooden reservoir located at the intersection of Jackson and Fairview Streets. Property acquisition was completed in 2007 followed by design of the reservoir in 2008. If approved, site development can begin in the spring of 2010 while the division continues to seek sources of construction funding for the reservoir itself. In August 2009, the division submitted an application for a SFY11 70% Matching Grant request and intends to submit a SFY11 Drinking Water Loan request for the remainder of the construction funding. If both are approved, construction will begin in 2011 and be completed about a year and a half later.		Design 150,000 Land/Right-of-Way 299,414 Construction Management Construction 3,719,000 Equipment Other Project Total 4,168,414

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund		299,414										299,414
ARRA Group 2 Funding		890,100										890,100
State Grant - Proposed - SFY11				1,911,000	1,911,000					1,911,000		1,911,000
Revenue Bonds/Alaska Drinking Water Loan Fund		98,900		819,000	819,000					819,000		917,900
State Grant - Design - SFY09		150,000										150,000
<b>Total</b>		1,438,414		2,730,000	2,730,000					2,730,000		4,168,414

<b>Division:</b> Water	<b>Project Priority:</b> 4	<b>Project Number:</b>
<b>Project Title:</b> Water Distribution Grid Improvements	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> Each year the division has, in conjunction with the work of other agencies, unexpected opportunities to undertake repairs to improve the municipal water system. This account provides the funding for such improvements. Projects already anticipated for 2010 include replacing a 100-foot segment of water main while a retaining wall and sewer are installed in Second Avenue. Other projects for 2010 include work in Young Street in conjunction with a stairway rebuild in both Bauer Way and Bayview Street in conjunction with their trestle rebuilds.		Design Land/Right-of-Way Construction Management Construction 60,000 Equipment Other Project Total 60,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			60,000	60,000					60,000		60,000
<b>Total</b>			60,000	60,000					60,000		60,000

<b>Division:</b> Water	<b>Project Priority:</b> 5	<b>Project Number:</b>
<b>Project Title:</b> Creek Street Water/Sewer Replacement	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> This project will involve Public Works and KPU rebuilding the support timbers of the wooden street, wooden walkways, and the complete replacement of the water and sewer utilities located beneath Creek St. The urgency of this project was demonstrated when several hangers supporting the sewer line failed in 2005, releasing raw, untreated sewage into Ketchikan Creek and Thomas Basin. Since all work must be completed before the tourist season begins, only 200-feet will be replaced next year along the Creek beginning at the Stedman Street Bridge. This is another segment of a multi-year program jointly developed by KPU and General Government to replace substandard, defective utilities simultaneously wherever possible and is an excellent opportunity to replace the existing ductile iron water main installed in 1976 with modern, non-corrodible polyethylene pipe.		Design 5,000 Land/Right-of-Way Construction Management Construction 60,000 Equipment Other Project Total 65,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund				65,000	65,000					65,000		65,000
<b>Total</b>				65,000	65,000					65,000		65,000

<b>Division:</b> Water	<b>Project Priority:</b> 6	<b>Project Number:</b>
<b>Project Title:</b> Additional Projects	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> This account provides for the cost of fire hydrants and other related materials, which are provided by the Utility in water line extensions and are then incorporated into the municipal water system. Valves will be provided for the water main extension of Vallenar Lane West and a new hydrant for the Borough Long-Term Parking Lot. Although the 2009 Tremont and Denali projects did not require additional materials from KPU, if they had, this would have been the funding source. This account also provides a source of funds for raising or replacing valve boxes in City streets when General Government repaving projects occur. Although specific streets have not yet been selected for asphalt paving in 2010, there will be paving next year.		Design Land/Right-of-Way Construction Management Construction Equipment 40,000 Other Project Total 40,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			40,000	40,000					40,000		40,000
<b>Total</b>			40,000	40,000					40,000		40,000

<b>Division:</b> Water	<b>Project Priority:</b> 7	<b>Project Number:</b>
<b>Project Title:</b> Water Service Upgrade Program	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> The water service upgrade program was initiated in 1997, in order to allow a number of residents to upgrade their individual water services. The division proposes to continue offering this program in 2010 and requests that the City Council authorize funding. Numerous water services, from the main to the residence, are in need of replacement to KPU standards. After completion of the work and inspection by KPU, this program allows the customer to provide cost documentation to receive a grant-in-aid. \$500 is available for work undertaken on private property and up to \$4,000 is available for work undertaken within the right-of-way. As a result of homeowners participating in the program, KPU will assume full responsibility for future repairs within the right-of-way as long as they are not caused by negligence by the property owner.		Design Land/Right-of-Way Construction Management Construction 40,000 Equipment Other Project Total 40,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			30,000	30,000	10,000				40,000		40,000
<b>Total</b>			30,000	30,000	10,000				40,000		40,000

<b>Division:</b> Water	<b>Project Priority:</b> 8	<b>Project Number:</b>
<b>Project Title:</b> Backflow Prevention Program	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> This grant-in-aid program was established in 1995, in order to encourage businesses to install backflow preventers to help protect the municipal water system. The division proposes to continue offering this program in 2010 and requests that the City Council authorize funding. This program is part of ADEC's mandated cross-connection control regulations, which require the Utility to be responsible for system-wide protection. Until 2001, Ketchikan's lack of adoption and enforcement of the Uniform Plumbing Code allowed many substandard installations to be constructed within the community. These deficiencies are still being discovered and must be corrected by the property owner. Due to lesser interest by businesses this past year, the proposed 2010 Budget is reduced by \$20,000		Design Land/Right-of-Way Construction Management Construction 20,000 Equipment Other Project Total 20,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund			10,000	10,000	10,000				20,000		20,000
<b>Total</b>			10,000	10,000	10,000				20,000		20,000

<b>Division:</b> Water	<b>Project Priority:</b> 9	<b>Project Number:</b>
<b>Project Title:</b> UV Facility Warehouse	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> Site development for the UV Disinfection Facility Project on Schoenbar Road opened up far more property than was originally proposed. Once the overburden was stripped, substantially more rock was found than originally expected. Rather than simply dispose of the excess rock off-site, all of the underlying muskeg has been removed and replaced with shot rock for a minimal additional expense. This proposed 40' x 60' building will be used to store chemicals, equipment, and maintenance spare parts for the UV Facility along with the spare parts and chemicals used for pH adjustment. The feeders and pumps for pH adjustment are now relocated into the UV Facility building. The former pH Adjustment Building has been converted into a separate facility for ammonium hydroxide addition which will change our disinfection chemistry and reduce haloacetic acid formation.		Design 25,000 Land/Right-of-Way Construction Management Construction 275,000 Equipment Other Project Total 300,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund						50,000				50,000		50,000
Revenue Bonds/Alaska Drinking Water Loan Fund						250,000				250,000		250,000
<b>Total</b>						300,000				300,000		300,000

<b>Division:</b> Water	<b>Project Priority:</b> 10	<b>Project Number:</b>
<b>Project Title:</b> Vehicles and Moving Equipment	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> Purchased in 1999, Service Truck 38 is worn out and rusty to the extent that the floor boards have holes in them. Rather than replace it with another heavy-duty service truck equipped with all the tools and a crane hoist, it is more cost effective to just purchase a small pickup truck similar to the ones used by the other divisions. It would only be equipped with minimal tools and be assigned tasks that are more related to customer service and routine daily preventative maintenance at the pump stations and disinfection plants. Electric's Service Truck 19 which was loaned for Water's usage when daily hydrant flushing was required to reduce haloacetic acid disinfection byproducts will also be retired and surplus.		Design Land/Right-of-Way Construction Management Construction Equipment 32,000 Other Project Total 32,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund						32,000				32,000		32,000
<b>Total</b>						32,000				32,000		32,000

<b>Division:</b> Water	<b>Project Priority:</b> 11	<b>Project Number:</b>
<b>Project Title:</b> Alaska Avenue Water & Sewer Improvements	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> Alaska Avenue's cast iron water main has been in service since 1969 and has failed at least six times between the Bryant and Tower intersections. The most recent failure in October 2008 occurred when a 3-inch x 12-inch piece of the cast iron main ruptured and hydraulically undermined the roadway. It also washed out a recently repaired homeowner's driveway that had been destroyed in a previous water main break in the same location. This water main has reached the end of its useful service life and if not replaced in a timely manner, further failures are imminent. This project will be a joint venture between Public Works and KPU. The water main will be replaced with corrosion-resistant, high-density polyethylene pipe. A 70% Municipal Matching Grant (SFY 11) request was submitted in August 2009. If the request doesn't score enough points for recommendation, we will submit the same request in August 2010 (SFY 12) followed by Drinking and Clean Water Loan requests in February 2011 (SFY 13).		Design Land/Right-of-Way Construction Management Construction 1,261,520 Equipment Other Project Total 1,261,520

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
70% State Grant - either SFY11 or SFY 12 Revenue Generating Fund						883,064 378,456				883,064 378,456		883,064 378,456
<b>Total</b>						1,261,520				1,261,520		1,261,520

<b>Division:</b> Water					<b>Project Priority:</b> 12				<b>Project Number:</b>		
<b>Project Title:</b> Jackson Street, 4th & 7th Ave. Water & Sewer Improvements					<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11				<b>Estimated Project Cost:</b>		
<b>Description:</b> In conjunction with the Wastewater Division, install 1,800 feet of 8-inch water main along Jackson Street between Fourth and Seventh Avenues; and then along Fourth Avenue to Madison Street. In addition, install 720 feet of 16-inch water main along Seventh Avenue between Jackson and Madison Streets. This is another segment of a multi-year program jointly developed by KPU and the General Government to replace substandard, defective utilities simultaneously whenever possible. KPU and the Wastewater Division submitted an application for funding in August 2009 under ADEC's 70% Municipal Matching Grant (SFY 11) program. Remaining funding would be obtained through a SFY11 Drinking Water & Clean Water Loan request submitted in February 2010. If the request doesn't score enough points for recommendation, we will submit the same request in August 2010 (SFY 12) followed by Drinking and Clean Water Loan requests in February 2011 (SFY 13). The project design has been submitted to ADEC.									Design Land/Right-of-Way Construction Management Construction 2,307,150 Equipment Other Project Total 2,307,150		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grant - SFY 11 or SFY 12 Revenue Bonds/Alaska Drinking Water Loan Fund					1,615,005 692,145				1,615,005 692,145		1,615,005 692,145
<b>Total</b>					2,307,150				2,307,150		2,307,150

<b>Department:</b> Water	<b>Project Priority:</b> 13	<b>Project Number:</b>
<b>Project Title:</b> Project Management/Inspection Services	<b>Start Date:</b> 01/10 <b>End Date:</b> 12/10	<b>Estimated Project Cost:</b>
<b>Description:</b> Given the aggressive infrastructure projects that are programmed for 2010, the Water Division proposes to contract with a private firm(s) to provide project management/inspection services. The Engineering Division is not sufficiently staffed to provide effective oversight of these projects while keeping up with normal daily workloads. KPU shall contract for project management services for Tongass Water Main Replacement Phase II, Jackson & Monroe Streets Water Main Replacement, 4th and 7th Avenues Water Main Replacement and Alaska Avenue Water Main Replacement. It is proposed to allocate this cost equally between Public Works Streets, Wastewater and KPU Water Divisions.		Design Land/Right-of-Way Construction Management 200,000 Construction Equipment Other Project Total 200,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund				50,000	50,000					50,000		50,000
Revenue Bonds/ADEC Drinking Water Loan Fund				150,000	150,000					150,000		150,000
<b>Total</b>				200,000	200,000					200,000		200,000

<b>Division:</b> Water	<b>Project Priority:</b> 14	<b>Project Number:</b>
<b>Project Title:</b> Buren Road Water/Sewer Improvements	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/11	<b>Estimated Project Cost:</b>
<b>Description:</b> In conjunction with the Wastewater Division, install 300 feet of 6-inch water main between Baranof and Alaska Avenues. This is another segment of a multi-year program jointly developed by KPU and General Government to replace substandard, defective utilities simultaneously whenever possible. KPU and the Wastewater Division intend to submit an application in August 2010 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY12. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2011. The design would need to be completed in early 2010 to obtain maximum scoring points on the funding applications. If approved, construction would start as early as the summer of 2011.		Design Land/Right-of-Way Construction Management Construction 135,000 Equipment Other Project Total 135,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grant - Proposed - SFY 12					94,500				94,500		94,500
Revenue Bonds/Alaska Drinking Water Loan Fund					40,500				40,500		40,500
<b>Total</b>					135,000				135,000		135,000

<b>Division:</b> Water	<b>Project Priority:</b> 15	<b>Project Number:</b>
<b>Project Title:</b> Adams St. Water & Sewer Improvements	<b>Start Date:</b> 01/12 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> In conjunction with the Wastewater Division, install 150 feet of 6-inch main between 4th and 5th Avenues. The remainder of the Adams Street water main between Tongass and 1st Avenue was rebuilt in 1987. Another segment between 2nd and 3rd Avenues was replaced in 2001. This is another segment of a multi-year program jointly developed by KPU and the General Government to replace substandard, defective utilities simultaneously whenever possible. If the design is completed by July 2010, KPU and the Wastewater Division intend to submit an application in August 2010 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY12. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2011. If funding is approved, construction would begin in 2012.		Design Land/Right-of-Way Construction Management Construction 110,000 Equipment Other Project Total 110,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grant - Proposed - SFY 12 Revenue Bonds/ Alaska Drinking Water Loan Fund							77,000 33,000			77,000 33,000		77,000 33,000
<b>Total</b>							110,000			110,000		110,000

<b>Division:</b> Water	<b>Project Priority:</b> 16	<b>Project Number:</b>
<b>Project Title:</b> Austin Street Water/Sewer Replacement	<b>Start Date:</b> 01/12 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> This project is driven primarily by the immediate need to replace the leaking and collapsing municipal sewers beneath this street. Excavation to replace the substandard side sewers will also be necessary, which will destroy most of the existing asphalt pavement. Consequently, this is an ideal time to simultaneously replace the failure-prone, brittle, cast-iron water mains. As a joint project, General Government and KPU will share equally in the pavement restoration costs. In conjunction with the Wastewater Division, this project will replace both water and sewer mains in a three-block segment of Austin Street between Tongass and Third Avenues. KPU and the Wastewater Division intend to submit an application in August 2010 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY12. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2011. Design must be completed by July 2010 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2012.		Design Land/Right-of-Way Construction Management Construction 465,000 Equipment Other Project Total 465,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grant - Proposed - SFY 11 Revenue Bonds/Alaska Drinking Water Loan Fund						325,500 139,500			325,500 139,500		325,500 139,500
<b>Total</b>						465,000			465,000		465,000

<b>Division:</b> Water	<b>Project Priority:</b> 17	<b>Project Number:</b>
<b>Project Title:</b> Denali Street Water/Sewer Improvements	<b>Start Date:</b> 01/12 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> In conjunction with the Wastewater Division, install 650 feet of 6-inch water main along Denali Avenue between Tower to Hill Road. This is another segment of a multi-year program jointly developed by KPU and the General Government to replace substandard, defective utilities simultaneously wherever possible. KPU and the Wastewater Division intend to submit an application in August 2010 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY12. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2011. Design would need to be completed by July 2010 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2012.		Design Land/Right-of-Way Construction Management Construction 295,000 Equipment Other Project Total 295,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reapprop-riated	New Funding	Total	2011	2012	2013	2014			
State Grant - Proposed - SFY 12 Revenue Bonds/Alaska Drinking Water Loan Fund						206,500 88,500			206,500 88,500		206,500 88,500
<b>Total</b>						295,000			295,000		295,000

<b>Division:</b> Water	<b>Project Priority:</b> 18	<b>Project Number:</b>
<b>Project Title:</b> 1st Avenue & Jefferson St. Water/Sewer Improvements	<b>Start Date:</b> 01/12 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> In conjunction with the Wastewater Division, install 260 feet of 6-inch water main along First Avenue between Madison to Jefferson and beyond. This is another segment of a multi-year program jointly developed by KPU and the General Government to replace substandard, defective utilities simultaneously whenever possible. KPU and the Wastewater Division intend to submit an application in August 2010 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY12. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2011. Design would need to be completed in early 2010 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2012.		Design Land/Right-of-Way Construction Management Construction 120,000 Equipment Other Project Total 120,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grant - Proposed - SFY 12 Revenue Bonds/Alaska Drinking Water Loan Fund						84,000 36,000			84,000 36,000		84,000 36,000
<b>Total</b>						120,000			120,000		120,000

<b>Division:</b> Water	<b>Project Priority:</b> 19	<b>Project Number:</b>
<b>Project Title:</b> Harris Street Water/Sewer Replacement	<b>Start Date:</b> 01/12 <b>End Date:</b> 12/12	<b>Estimated Project Cost:</b>
<b>Description:</b> In conjunction with the Wastewater Division, install 880 feet of 6-inch water main along Harris Street. This is another segment of a multi-year program jointly developed by KPU and the General Government to replace substandard, defective utilities simultaneously whenever possible. KPU and the Wastewater Division intend to submit an application in August 2010 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY12. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2011. Design would need to be completed in early 2010 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2012.		Design Land/Right-of-Way Construction Management Construction 422,000 Equipment Other Project Total 422,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
State Grant - Proposed - SFY 12 Revenue Bonds/Alaska Drinking Water Loan Fund						295,000 127,000			295,000 127,000		295,000 127,000
<b>Total</b>						422,000			422,000		422,000

<b>Division:</b> Water	<b>Project Priority:</b> 20	<b>Project Number:</b>
<b>Project Title:</b> Water Main Extension to former Shoreline Service Area	<b>Start Date:</b> 08/03	<b>Estimated Project Cost:</b>
<b>Description:</b>	<b>End Date:</b> 12/15	Design 381,943
<p>This infrastructure project is a multi-year project that will extend water and sewer utilities into the former Shoreline Service Area (SSA) that was previously annexed into the City Limits. The design was completed in 2006. Funding for this project will be a challenge requiring participation by the SSA property owners to form a LID for 15% of the cost. Given the massive capital requirement, this is a long-term project that will take several years just to get the funding in place. In 2007 dollars, the water main to Shoreline is estimated to be \$3.49-million and the water mains within the service area another \$18.1-million. KPU and General Government will begin submitting applications in August 2011 for the extension to Shoreline Drive under ADEC's 70% Municipal Matching Grant program. Ballot propositions in October 2012 would include acceptance of the loans and formation of the LID. If approved, construction for the extension to Shoreline Drive would start in 2012. Subsequent grant and loan requests would be made beginning in 2012 until the construction project is funded.</p>	Land/Right-of-Way	
	Construction Management	
	Construction	21,590,000
	Equipment	
	Other	
Project Total	21,971,943	

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund	262,472										262,472
State Grant - Proposed - SFY 12							2,443,000		2,443,000	12,670,000	15,113,000
Revenue Bonds/Alaska Drinking Water Loan Fund							1,047,000		1,047,000	2,715,000	3,762,000
Shoreline Service Area LID (15%)										2,715,000	2,715,000
State Grant - Awarded - #48184	119,471										119,471
<b>Total</b>	381,943						3,490,000		3,490,000	18,100,000	21,971,943

<b>Division:</b> Water	<b>Project Priority:</b> 21	<b>Project Number:</b>
<b>Project Title:</b> Highlands Reservoir Replacement	<b>Start Date:</b> 01/11	<b>Estimated Project Cost:</b>
<b>Description:</b>	<b>End Date:</b> 12/15	Pre Design 100,000
Construct a modern replacement for the wooden reservoir located on the northerly slope above the intersection of Forest Avenue and the Third Avenue Extension. The existing reservoir is too small to provide adequate fire protection for the State Jail and adjacent residential area that the reservoir serves. Ketchikan is located in Seismic Zone 3 (major damage). This type of wooden reservoir will not survive a significant earthquake, nor can it be economically retrofitted with additional shear protection. Additional property at the site needs to be acquired and a large, modern 650,000 gallon reservoir constructed. KPU intends to submit an application in August 2011 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY13 followed by a Drinking Water Loan request in February 2012. Design of the project to obtain maximum scoring points on the funding applications would begin in 2011 to determine the amount of property required. If approved, construction would start in 2015.		Land/Right-of-Way
		Construction Management
		Construction 4,000,000
		Equipment
		Other
		Project Total 4,100,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund					100,000				100,000		100,000
State Grant - Proposed - SFY 13										2,800,000	2,800,000
Revenue Bonds/Alaska Drinking Water Loan Fund										1,200,000	1,200,000
<b>Total</b>					100,000				100,000	4,000,000	4,100,000

<b>Division:</b> Water					<b>Project Priority:</b> 22				<b>Project Number:</b>					
<b>Project Title:</b> Schoenbar Road Water/Sewer Improvements					<b>Start Date:</b> 01/11				<b>Estimated Project Cost:</b>					
<b>Description:</b>					<b>End Date:</b> 12/13				Design 60,000					
<p>The Wastewater Division intends to replace the sewers along Schoenbar Road between the easterly intersection of Fairy Chasm and Park Avenue. Although some of the water mains have been replaced earlier, this project will allow 1,200 feet of undersized cast-iron mains to be replaced between Valley Forge and Schoenbar Trail intersections. The Schoenbar Road water main is the primary route from the Bear Valley Reservoir to Stedman Street. The expanding fish processing industries located along Stedman Street are consuming more water every year. Supplying the fish processors on Stedman Street is beginning to tax the ability of the Utility to supply their needs. KPU and the Wastewater Division intend to submit an application in August 2011 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY13 followed by a Drinking Water Loan request in February 2012. Design would need to be completed in early 2011 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2013.</p>					Land/Right-of-Way				Construction Management					
					Construction				820,000			Equipment		
					Other							Project Total		
												880,000		
Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project			
		Reappro- priated	New Funding	Total	2011	2012	2013	2014						
Revenue Generating Fund					60,000				60,000		60,000			
State Grant - Proposed - SFY 13							574,000		574,000		574,000			
Revenue Bonds/Alaska Drinking Water Loan Fund							246,000		246,000		246,000			
<b>Total</b>					60,000		820,000		880,000		880,000			

<b>Division:</b> Water	<b>Project Priority:</b> 23	<b>Project Number:</b>
<b>Project Title:</b> Woodland Ave. Water/ Sewer Improvements	<b>Start Date:</b> 01/11 <b>End Date:</b> 12/13	<b>Estimated Project Cost:</b>
<b>Description:</b> The Wastewater Division intends to replace all of the sewer along Woodland Avenue between Deermount Street and Park Avenue. Although the wood-stave half of Woodland's water main was replaced in 1988, this project will allow the remaining 420 feet of undersized cast-iron mains to be replaced between the Nickey Way and Deermount Street intersections. This is another segment of a multi-year program jointly developed by KPU and the General Government to replace substandard, defective utilities simultaneously whenever possible. KPU and the Wastewater Division intend to submit an application in August 2011 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY13. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2012. Design would need to be completed in early 2011 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2013.		Design 25,000 Land/Right-of-Way Construction Management 195,000 Construction Equipment Other Project Total 220,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund						25,000				25,000		25,000
State Grant - Proposed - SFY 13								137,000		137,000		137,000
Revenue Bonds/Alaska Drinking Water Loan Fund								58,000		58,000		58,000
<b>Total</b>						25,000		195,000		220,000		220,000

<b>Division:</b> Water	<b>Project Priority:</b> 24	<b>Project Number:</b>
<b>Project Title:</b> Water Street Trestle No. 2 - Utility Replacement	<b>Start Date:</b> 01/12	<b>Estimated Project Cost:</b>
<b>Description:</b> 2014's scheduled replacement of Water Street's Trestle No. 2 will also require the replacement of both the water and sewer mains located beneath the 1,000-foot long trestle. KPU and the Wastewater Division intend to submit an application in August 2012 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY14. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2013. Design would need to be completed in early 2012 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2014.	<b>End Date:</b> 12/14	Design 75,000 Land/Right-of-Way Construction Management Construction 440,000 Equipment Other Project Total 515,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund							75,000			75,000		75,000
State Grant - Proposed - SFY 14									308,000	308,000		308,000
Revenue Bonds/Alaska Drinking Water Loan Fund									132,000	132,000		132,000
<b>Total</b>							75,000		440,000	515,000		515,000

<b>Division:</b> Water	<b>Project Priority:</b> 25	<b>Project Number:</b>
<b>Project Title:</b> Tongass Avenue Water & Sewer Replacement - Phase III	<b>Start Date:</b> 01/12 <b>End Date:</b> 12/14	<b>Estimated Project Cost:</b>
<b>Description:</b> In conjunction with General Government, replace both the water and sewer mains within Tongass Avenue between Madison and First Avenue. The existing water main will be replaced with corrosion-resistant, high-density polyethylene pipe. This is the third segment in Tongass Avenue of a multi-year program jointly developed by KPU and General Government to replace substandard, defective utilities simultaneously wherever possible. KPU and the Wastewater Division intend to submit an application in August 2012 under ADEC's 70% Municipal Matching Grant program requesting funds in SFY14. The remaining funds would be obtained through a Drinking Water & Clean Water Loan request submitted in February 2013. The remaining portion of the design would need to be completed in early 2012 to obtain maximum scoring points on the funding applications. If approved, construction would start in 2014.		Design (Review and Update) 40,000 Land/Right-of-Way Construction Management Construction 2,059,000 Equipment Other Project Total 2,099,000

Source of Funds	Fund No.	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
			Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund							40,000			40,000		40,000
State Grant - Proposed - SFY 14									1,441,300	1,441,300		1,441,300
Revenue Bonds/Alaska Drinking Water Loan Fund									617,700	617,700		617,700
<b>Total</b>							40,000		2,059,000	2,099,000		2,099,000

<b>Division:</b> Water	<b>Project Priority:</b> 26	<b>Project Number:</b>
<b>Project Title:</b> Confidence Reservoir Replacement	<b>Start Date:</b> 01/12	<b>Estimated Project Cost:</b>
<b>Description:</b>	<b>End Date:</b> 12/12	Design 100,000
<p>In the 1998 Comprehensive Plan, the cost of replacing the Confidence Zone Reservoir is estimated (in 1998 dollars) to cost \$2.94 million dollars. The area that it serves was originally expected to be a commercial zone (3,500 gpm for 4 hours fire fighting). Instead, it has become primarily a residential zone. Before investing significant amounts of money in a new reservoir, the sizing needs to be thoroughly investigated before design commences and suitable property acquired. The existing 21,380 gallon bolted steel reservoir was installed in 1992 as a temporary expedient planned to serve only the Solid Waste Handling Facility. Instead, this has become Ketchikan's fastest growing residential area. The division intends to submit an application in August 2011 under the 70% Municipal Matching Grant program requesting design funds for the proper size reservoir in 2012 (SFY12). If approved, funds would be released in summer 2012.</p>		Land/Right-of-Way
		Construction Management
		Construction Equipment
		Other
		<b>Project Total</b> 100,000

Source of Funds	Prior Years	Adopted 2010			Projected Requirements				Five Year Total	Future Years	Total Project
		Reappropriated	New Funding	Total	2011	2012	2013	2014			
Revenue Generating Fund						30,000			30,000		30,000
State Grant - Proposed - SFY 12						70,000			70,000		70,000
<b>Total</b>						100,000			100,000		100,000