

Chelan County PUD

2018 Adopted Budget (\$000)

	Combined District	Integrated Electric	Fiber & Telecom	Water	Wastewater	Eliminations
Service Revenue	64,693	50,753	10,897	6,239	701	(3,896)
EP&T Net Wholesale	108,001	108,001	-	-	-	-
LT Hydro Contract	121,115	121,115	-	-	-	-
Other Wholesale Activity	(1,320)	(1,320)	-	-	-	-
Wholesale Energy Revenue	227,796	227,796	-	-	-	-
Other Revenue	21,129	22,280	1	62	2	(1,216)
	313,618	300,828	10,898	6,301	702	(5,112)
Other Operating Expenses	173,846	167,625	6,730	3,739	864	(5,112)
Taxes	7,986	7,070	35	870	11	-
Depreciation & Amortization	44,030	39,148	3,099	1,506	277	-
	225,863	213,843	9,864	6,115	1,153	(5,112)
Operating Income/(Loss)	87,755	86,985	1,034	186	(450)	-
Non Operating Activity	15,913	19,306	(2,805)	(510)	(78)	-
Interest Earnings	(9,249)	(8,885)	(239)	(73)	(52)	-
Interest Expense	25,402	25,370	-	32	-	-
Fair Market Value Change	92	104	(7)	(3)	(3)	-
Other Non Operating Activity	4,032	4,064	(17)	(14)	(1)	-
Capital Contributions	(4,364)	(3,846)	(43)	(452)	(23)	-
Intersystem Transfers/Adjustment	-	2,500	(2,500)	-	-	-
Change in Net Postion	71,842	67,679	3,839	696	(372)	-
Capital Projects: Gross	139,685	131,563	5,547	1,236	1,339	-
Less Capital Contributions	(3,794)	(3,277)	(43)	(452)	(23)	-
Capital Projects: Net	135,890	128,286	5,504	784	1,316	-
Regulatory Assets	4,010	4,010	-	-	-	-
Deferred Relicensing	100	100	-	-	-	-
Hydro License Obligations	427	427	-	-	-	-
Operating Expenses	173,846					
Taxes	7,986					
Non-Operating (Inc)Exp	20,276					
Total Expenditures = OperExp + Taxes + NonOp +						
Net Capital + Regulatory Assets						
+ Deferred Relicensing	342,537					
Net Debt Reduction	23,642					
Total Expenditures & Net Debt Reduction	366,179					

Notes:

- Purchased Power included in Net Wholesale
- Net Regulatory Assets is net of related Capital Contributions

**2018 Capital Projects
Adopted Budget**

System	Discrete/ Recurring	Project#	Title	Current Total Project Budget	Total Project Change: Current vs Proposed	Proposed Total Project Budget	2018 Annual Budget	
Electr Distribution	Discrete	DS140004	Bavarian Substation	772,000	1,978,000	2,750,000	1,100,000	
		DS140005	N Shore Chelan Substatn	455,000	2,295,000	2,750,000	500,000	
		DS150007	Transformer Load Tester	258,000	200	258,200	258,000	
		DS160002	Recloser Tester	60,000		60,000	60,000	
		DS170001	Fleet - Distribution	2,018,000		2,018,000	500,000	
		DS170004	PPB: RR Visitor Ctr Imprvments	1,000,000		1,000,000	350,000	
		DS170005	ACS 6-180 Relay Upgrade	40,000	150,000	190,000	150,000	
		DS170006	Ohme Substation	20,000	1,980,000	2,000,000	1,000,000	
		DS180001	Fleet - Distribution		1,582,000	1,582,000	1,582,000	
		DS180002	Sys Ops Avalanche Replacement		150,000	150,000	150,000	
		DS180003	Icicle Mobile Substation		35,000	35,000	35,000	
		DS180004	Stud Welder		20,000	20,000	20,000	
	DS180005	Feeder Addition - South Shore		30,000	30,000	30,000		
	Recurring	2XXX0100	UG Xfrmrs-Capital Purchases		619,000	619,000	619,000	
		2XXX0200	OH Xfrmrs-Capital Purchases		410,000	410,000	410,000	
		2XXX0300	Line Devices-Regulators		135,000	135,000	135,000	
		DSLEXXX1	DS - Line Extensions		1,500,000	1,500,000	1,500,000	
		DSXX0001	DS - Customer Services		1,300,000	1,300,000	1,300,000	
		DSXX0002	DS - Electric Meters		250,000	250,000	250,000	
		DSXX0003	DS-Undergrnd Cable Replacement		400,000	400,000	400,000	
		DSXX0006	Substation Equip Replacements		300,000	300,000	300,000	
		DSXX0007	Distribution Line Improvements		750,000	750,000	750,000	
		DSXX0009	Substation Improvements		800,000	800,000	800,000	
		DSXX0011	Elec Reconductor Upgrades		200,000	200,000	200,000	
		DSXX0014	Elec Mandated Relocate		600,000	600,000	600,000	
		DSXX0015	NESC Distribution Upgrades		1,500,000	1,500,000	1,500,000	
		DSXX0018	TRS Structural Pole Replace DS		25,000	25,000	25,000	
		DSXX0020	TRS Structural Pole Replc LCRD		115,000	115,000	115,000	
		DSXX0021	DS Pole Replacement		200,000	200,000	200,000	
		DSXX0022	Feeder Device/line replacements		50,000	50,000	50,000	
		System Forecast Adjustment						
	Electr Distribution Total				4,623,000	17,374,200	21,997,200	14,293,050
	Network Transmsn	Discrete	XT120005	N Mid C Transmission Project	4,245,300		4,245,300	600,000
XT130022			AC-SUM Fac Remediation	1,545,000		1,545,000	15,000	
XT150008			Sys Ops Video System	695,000	25,000	720,000	172,250	
XT160001			RRS 230KV Prot/SCADA Panel31	243,000		243,000	233,000	
XT160004			AY-AC 1&2 Relocate	2,415,000		2,415,000	420,000	
XT170001			LEAV Undervoltage Mitigation	354,000	146,000	500,000	485,000	
XT170002			WNS 6-240 Breaker Replace	193,000	22,000	215,000	128,000	
XT170003			WNS 6-250 Breaker Replace	220,000	18,000	238,000	151,000	
XT170004			RRS Pnl 31 - Bus 3 Diff	186,000		186,000	16,000	
XT180001			Y-AC3 Goodwin Bridge Partial Rbld		1,150,000	1,150,000	118,000	
XT180002			RRS Control House Restrnm		40,000	40,000	40,000	
XT180003			CHS 115kV Bus PTs		88,000	88,000	88,000	
XT180004		Greater McNeil Cyn Proj		500,000	500,000	500,000		
XT180005		CSE Primary Cntrl Cntr EMS		20,000	20,000	20,000		
XT180006		Burgess Andrew York		150,000	150,000	150,000		
Recurring		XTXX0001	TRS Structural Pole Replc XT		260,000	260,000	260,000	
		XTXX0004	WSDOT Clear Zone		50,000	50,000	50,000	
System Forecast Adjustment							-516,938	

System	Discrete/ Recurring	Project#	Title	Current Total Project Budget	Total Project Change: Current vs Proposed	Proposed Total Project Budget	2018 Annual Budget
Network Transmsn Total				10,096,300	2,469,000	12,565,300	2,929,312
Fiber & Telecom	Discrete	NW180001	Fiber Vehicles		82,000	82,000	82,000
		NW180002	7342 to 7360 Platform Upgrade		1,500,000	1,500,000	600,000
		NW180003	Nokia Service Portal Express		350,000	350,000	350,000
		NW180004	Bandwidth Management Links		2,200,000	2,200,000	700,000
		NW180005	Fusion Equipment		180,000	180,000	30,000
		NW180006	OTDR Equipment		40,000	40,000	20,000
		NW180007	NNI Upgrades-Retail Service Providers		500,000	500,000	75,000
		NW180008	NNI Redundancy-Retail Svc Providers		250,000	250,000	50,000
		NW180009	Cable Plow		12,000	12,000	12,000
	Recurring	NWLEXX7	Fiber Drops-Line Extensions		20,000	20,000	20,000
		NWXX0002	Franchise Fiber Relocates		25,000	25,000	25,000
		NWXX0003	Fiber District Relocates		25,000	25,000	25,000
		NWXX0010	Fiber Drops		675,000	675,000	675,000
		NWXX0011	Fiber Devices		337,500	337,500	337,500
		NWXX0012	Fiber Conduit Installation		10,000	10,000	10,000
		NWXX0013	Fiber Infrastructure Systems		225,000	225,000	225,000
	NWXX0014	Fiber Subdivisions		100,000	100,000	100,000	
	System Forecast Adjustment						
Fiber Expansion PPB				6,130,722	2,040,298	8,171,020	2,500,000
Fiber & Telecom Total				6,130,722	8,571,798	14,702,520	5,546,800
Water	Discrete	WR170002	Wenatchee Heights Tank Repl	40,000	296,000	336,000	301,000
		WR180001	Water Vehicles- Equipment		312,000	312,000	312,000
		WRXX0001	WS - New Water Services	100,000	-15,000	85,000	85,000
		WRXX0002	WS - Customer Line Extensions	60,000		60,000	60,000
		WRXX0003	WS - Water Main Replacements	670,000	-190,000	480,000	480,000
		WRXX0004	WS - Water Main Fire Hydrants	7,000		7,000	7,000
		WRXX0005	Water Main Mandated Relocate	42,000	-27,000	15,000	15,000
	WRXX0006	Water Meters	32,000	1,000	33,000	33,000	
System Forecast Adjustment							-57,050
Water Total				951,000	377,000	1,328,000	1,235,950
Wastewater	Discrete	SW140001	Peshastin Wastewater Upgrade	650,000	1,350,000	2,000,000	1,385,650
		SWXX0001	New Sewer Svcs-Lake Wenatchee	35,000	-15,000	20,000	20,000
		SWXX0002	New Sewer Svcs-Peshastin	3,000		3,000	3,000
	System Forecast Adjustment						
Wastewater Total				688,000	1,335,000	2,023,000	1,339,367
Internal Services	Discrete	CAP180001	Fleet Shop Equipment		75,000	75,000	75,000
		CAP180002	Facilities Upgrades		500,000	500,000	500,000
		CAP180003	Security System Upgrades		150,000	150,000	150,000
		IS130001	LMR Network Replacement	5,600,000		5,600,000	5,350,000
		IS130002	Microwave Replacement	3,720,000		3,720,000	2,822,000
		IS150002	Security Infrastructure	2,291,092	167,602	2,458,694	500,000
		IS150006	Dispatch Log	400,000	200,000	600,000	370,000
		IS160002	CIS Upgrade	3,520,018		3,520,018	3,520,018
		IS160012	Enterprise Search	298,000	80,000	378,000	80,000
		IS170001	Fleet - Shared	1,750,000		1,750,000	700,000
		IS170005	Bid Workflow	275,000	20,000	295,000	295,000
		IS170021	Physical Access Cntrl Platform	150,000	1,020,000	1,170,000	1,020,000
		IS180001	Fleet - Shared		1,061,000	1,061,000	1,061,000
		IS180002	CM Tools 2018		125,000	125,000	125,000
		IS180003	Hydraulic Model		800,000	800,000	800,000
		IS180004	Sys Ops Consoles		156,000	156,000	156,000
IS180005	Data Analytics Platform		470,000	470,000	470,000		
IS180006	Enterprise Storage HW-SW		110,000	110,000	110,000		

System	Discrete/ Recurring	Project#	Title	Current Total Project Budget	Total Project Change: Current vs Proposed	Proposed Total Project Budget	2018 Annual Budget	
	Discrete	IS180007	Server/Network Infrastructure		150,000	150,000	150,000	
		IS180008	IT Software New Services		120,000	120,000	120,000	
		IS180009	Telemetry - Flow Meters		420,000	420,000	220,000	
		IS180010	CIP-Low Impact Switchyards		101,000	101,000	81,000	
		IS180011	Core Network Switches		280,000	280,000	280,000	
		IS180012	Security Info-Event Mgmt Sys		100,000	100,000	100,000	
		IS180013	Mobile Asset & Work Management		215,000	215,000	215,000	
		IS180015	RR-CM Facilities Upgrade		41,518,973	41,518,973	284,667	
		IS180016	HQ Services Facility Plan		2,600,000	2,600,000	2,600,000	
		System Forecast Adjustment						-1,107,734
Internal Services Total				18,004,110	50,439,575	68,443,685	21,046,951	
Rocky Reach	Discrete	RR110005	RR HW Gantry Crane	6,285,754		6,285,754	14,000	
		RR110010	RR C8-C11 Gen Protect Relays	211,628		211,628	1,000	
		RR110012	RR C1-C11 Unit Ctrls Governor	5,183,535		5,183,535	1,250,000	
		RR120004	RR Excitation Reg Repl C1-C11	4,508,217		4,508,217	975,000	
		RR120006	RR Unit DFR Installation	766,200		766,200	70,000	
		RR130004	RR Tran & SS Relay Replacement	343,415		343,415	100,000	
		RR150008	RR Additional Headgates	4,000,000		4,000,000	1,000	
		RR160006	RR Bridge Cranes	5,730,000		5,730,000	865,000	
		RR160009	RR C9 Head Cover	850,000		850,000	207,000	
		RR160010	RR C10 Head Cover	850,000		850,000	211,000	
		RR160011	RR C11 Head Cover	850,000		850,000	456,000	
		RR170003	PKBB Boat Launch & Docks Repl	700,000		700,000	700,000	
		RR170005	RR Dam Deformation	372,000		372,000	1,000	
		RR170006	RR Tailrace Buoy Placement	500,000	25,000	525,000	1,000	
		RR170007	RR Fire Alarm System	1,115,000	605,000	1,720,000	1,570,000	
		RR170010	RRFW Dewatering Pumps	285,000	23,000	308,000	10,000	
		RR170011	RR Flow Meter Replacement	50,000	390,000	440,000	190,000	
		RR180001	RR Vehicles & Equip		211,844	211,844	211,844	
		RR180002	PKBB Construction BB-1 BB-2		790,000	790,000	55,000	
		RR180003	PKCFP Swim Beach Stabilization		1,100,000	1,100,000	1,100,000	
		RR180004	RR Oil Rooms Fire Suppression		1,525,000	1,525,000	1,525,000	
		RR180005	HTCH Raceway Safety Improvements		191,000	191,000	15,000	
		RR180006	PKET Repl Moorage Docks		351,000	351,000	36,000	
		RR180007	HTCF Jump Screens		45,000	45,000	45,000	
		RR180008	HTSP Elec System Upgrade		380,000	380,000	380,000	
		System Forecast Adjustment						-1,498,477
Rocky Reach Total				32,600,749	5,636,844	38,237,593	8,491,367	
Rock Island	Discrete	RI0800B2	RI PH1 B-2 Stator Replacement	4,961,785		4,961,785	1	
		RI080B09	RI PH1 Unit B9 Rehabilitation	26,000,000		26,000,000	1	
		RI110001	RI PH1 Excitation Sys B1-B4	1,010,990		1,010,990	1	
		RI110004	RI PH1 Govrn DigCtrls B2	2,890,000		2,890,000	1	
		RI110008	RI PH2 Excitation Sys U1-U8	2,196,799		2,196,799	107,000	
		RI110009	RI PH2 Relays U1-U8	841,054		841,054	120,000	
		RI110011	RI PH2 XFMR/Bus Pro Relays	240,000		240,000	35,000	
		RI110012	RI PH2 MCM Install U1-U-8	1,100,000		1,100,000	123,000	
		RI110013	RI PH2 Generator DFR	256,396		256,396	24,000	
		RI110015	RI PH2 Gov Digtl Ctrls U1-U8	11,172,820		11,172,820	1,100,000	
		RI130002	RI PH2 Unit MCC	2,040,000		2,040,000	275,000	
		RI140002	RI PH1 B6 Modernization	30,700,000		30,700,000	250,000	
		RI140003	RI PH2 Gantry Crane	2,574,000		2,574,000	1,625,000	
		RI140004	RI PH2 Bridge Crane	2,870,000	39,009	2,909,009	1,762,000	
		RI150003	RIFW Controls Upgrds	825,000	8,181	833,181	1,000	
		RI150006	RI PH2 Gov Air Comp Replc	180,000		180,000	6,000	

System	Discrete/ Recurring	Project#	Title	Current Total Project Budget	Total Project Change: Current vs Proposed	Proposed Total Project Budget	2018 Annual Budget	
	Discrete	RI160003	HTDP Flow Meter Installation	92,500	89,791	182,291	2,500	
		RI160014	RI PH1 Dom Wtr Twr & Piping	2,253,000		2,253,000	1,750,000	
		RI160015	RI PH1 B5 Modernization	31,300,000		31,300,000	3,600,000	
		RI160016	RI PH1 B7 Modernization	31,300,000		31,300,000	16,600,000	
		RI160017	RI PH1 B8 Modernization	31,300,000		31,300,000	4,165,000	
		RI170005	RI Dam Deformation	349,500		349,500	1,000	
		RI170006	RI PH1 Battery Rms HVAC	195,000		195,000	115,000	
		RI170007	RI PH1 Intake Gantry Repl	4,373,000		4,373,000	80,000	
		RI170008	RI PH1 Relocate Micro Antenna	105,500	46,500	152,000	137,000	
		RI170009	RI PH2 Storage Building	1,110,000	5,140,000	6,250,000	5,140,000	
		RI170010	RI PH1 B9-B10 Turbine Staging	102,000		102,000	22,000	
		RI170011	RI PH1 B1 Modernization	15,415,000		15,415,000	6,550,000	
		RI170012	RI PH1 B2 Modernization	16,450,000		16,450,000	10,775,000	
		RI170013	RI PH1 B3 Modernization	16,275,000		16,275,000	11,150,000	
		RI170014	RI PH1 B4 Modernization	19,860,000	40,000	19,900,000	12,800,000	
		RI170016	RI PH2 Storage Bldg Crane	440,000	448,000	888,000	868,620	
		RI170019	RI PH1 Stoplogs B1-B4 Mod	725,000		725,000	21,000	
		RI170020	RI PH1 Pumps B1-B4 Mod	555,000		555,000	23,000	
		RI170021	RI PH1 Headgates B1-B4 Mod	770,000		770,000	515,000	
		RI170022	HTEB Flow Meter Installation	22,000	370,000	392,000	185,000	
		RI170023	RI Flow Meter Replacement	11,000	321,000	332,000	135,000	
		RI180001	RI Fleet Vehicles		139,000	139,000	139,000	
		RI180002	RI PH2 6-350 Breaker Replace		300,000	300,000	70,000	
		RI180003	RI PH2 U1-U8 Rehab		1,800,000	1,800,000	1,800,000	
		RI180004	RI PH2 UPS Upgrade		140,000	140,000	140,000	
		RI180005	RI PH2 SS Breakers 480V		233,000	233,000	233,000	
		RI180006	RI PH1 HVAC Upgrades		720,000	720,000	720,000	
		RI180007	PKWRF Boat Launch Rpl		554,000	554,000	75,000	
		RI180008	PKKB Erosion 3 5 6 9		585,000	585,000	60,000	
		RI180009	HTDP Anti-Avian Predation		180,000	180,000	30,000	
		RI180010	HTDP Water Qual Samplers		155,000	155,000	25,000	
		RI180011	HTCW Reuse Sys Concrete Floor		40,000	40,000	5,000	
		RI180012	HTEB Jump Screens		50,000	50,000	50,000	
		RI180013	HTCW Jump Screens		45,000	45,000	45,000	
		RI180014	HTEB Backup Generator		450,000	450,000	450,000	
		RI180015	HTEB Handrail		240,000	240,000	15,000	
		RI180016	PKWC Site 235 Stabilization		741,000	741,000	91,000	
		RI180017	RI Facilities Upgrade		32,693,111	32,693,111	8,619,375	
		System Forecast Adjustment						-9,232,360
Rock Island Total				262,862,344	45,567,592	308,429,936	83,398,139	
Lake Chelan	Discrete	LC160001	LC Dam Deformation	225,000		225,000	31,500	
		LC170001	LC PH SS 11kv Breakers	670,000	195,000	865,000	838,000	
		LC170002	LC A1 11kv Breakers	161,000		161,000	161,000	
		LC170003	LC A2 11kv Breakers	162,000		162,000	161,000	
		LC180001	PKMP Log Boom & Dock Replace		850,000	850,000	90,000	
		LC180002	PKMP Parking lot replace		370,000	370,000	370,000	
		System Forecast Adjustment						-247,725
Lake Chelan Total				1,218,000	1,415,000	2,633,000	1,403,775	
TOTAL				337,174,225	133,186,009	470,360,234	139,684,711	

<u>Gross Capital</u>	
Electr Distribution	14,293,050
Network Transmsn	2,929,312
Fiber & Telecom	5,546,800
Water	1,235,950
Wastewater	1,339,367
Internal Services	21,046,951
Rocky Reach	8,491,367
Rock Island	83,398,139
Lake Chelan	1,403,775
Total Gross Capital	139,684,711

<u>Customer Contributions</u>	
Electr Distribution	(2,970,000)
Network Transmsn	-
Fiber & Telecom	(42,500)
Water	(452,000)
Wastewater	(23,000)
Rock Island	(306,900)
Total CIAC	(3,794,400)

<u>Net Capital:</u>	
Electr Distribution	11,323,050
Network Transmsn	2,929,312
Fiber & Telecom	5,504,300
Water	783,950
Wastewater	1,316,367
Internal Services	21,046,951
Rocky Reach	8,491,367
Rock Island	83,091,239
Lake Chelan	1,403,775
Total Net Capital	135,890,311

Regulatory Assets (DSOP-1823)	4,579,503
Net Regulatory Assets	4,010,211
RI Relicensing DEFERRED	100,000
Make Available (LCRL-2536)	427,170