

## Chelan County Public Utility District No. 1

### 2017 Active Major Capital Projects

#### First Quarter

Project Name	Phase	Baseline Finish as of 1/1/17	Expected Finish	Finish Var. versus 1/1/17 Baseline	Budget as of 1/1/17	Current Approved Project Budget	Estimated Cost at Completion	Cost Variance Vs. Current Approved Project Budget	Forecast % to be Spent	Project Approval	Project Start	Comments
RI PH1 B5 Modernization	Planning	Aug-21	Aug-21	✓	\$ 31,300,000	\$ 31,300,000	\$ 31,300,000	\$ -	✓ 100%	Dec-15	Aug-16	Generator and turbine replacement.
RI PH1 B7 Modernization	Planning	May-18	May-18	✓	\$ 31,300,000	\$ 31,300,000	\$ 31,300,000	\$ -	✓ 100%	Jan-16	Jun-16	Generator and turbine replacement.
RI PH1 B8 Modernization	Planning	Sep-22	Sep-22	✓	\$ 31,300,000	\$ 31,300,000	\$ 31,300,000	\$ -	✓ 100%	Jan-16	Sep-16	Generator and turbine replacement.
RI PH1 B6 Modernization	Execution	Jun-17	Oct-17	✗ -122	\$ 27,100,000	\$ 30,700,000	\$ 30,700,000	\$ -	✓ 100%	Dec-13	Feb-14	Completion delayed due to unsuccessful rotor repairs requiring rotor replacement.
RI PH1 B4 Modernization	Planning	Feb-19	Feb-19	✓	\$ 16,410,000	\$ 18,316,000	\$ 18,316,000	\$ -	✓ 100%	Dec-16	Jan-17	Turbine replacement w/ some components refurbished, new governor hydraulic system, refurb rotor.
RI PH1 B2 Modernization	Planning	Jun-19	Jun-19	✓	\$ 14,520,000	\$ 15,453,000	\$ 15,453,000	\$ -	✓ 100%	Dec-16		
RI PH1 B3 Modernization	Planning	May-19	May-19	✓	\$ 14,420,000	\$ 14,700,000	\$ 14,700,000	\$ -	✓ 100%	Dec-16		
RI PH1 B1 Modernization	Planning	Feb-20	Feb-20	✓	\$ 14,650,000	\$ 13,831,000	\$ 13,831,000	\$ -	✓ 100%	Dec-16		
RI PH2 Gov Digtl Ctrls U1-U8	Execution	Jul-18	Jul-18	✓	\$ 11,172,820	\$ 11,172,820	\$ 11,172,820	\$ -	✓ 100%	Dec-10	Jul-11	Replace U1 to U8 governor and Unit controls and related mechanical equipment., U6 and U7 in 2017.
RR09e3 Entiat Park Upgrades	Execution	Apr-17	Jun-17	✗ -52	\$ -	\$ 7,372,913	\$ 7,372,302	\$ (611)	✓ 100%	Dec-09	Aug-10	Park re-opened in May '16. Work on bathroom and final park amenities delayed by weather in 2017.
RR HW Gantry Crane	Execution	May-17	May-17	✓	\$ 6,285,754	\$ 6,285,754	\$ 6,285,754	\$ -	✓ 100%	Dec-10	Dec-13	Replace existing crane.
Fiber Expansion Projects	Planning	Dec-26	Dec-26	✓	\$ 5,800,000	\$ 5,800,000	\$ 5,800,000	\$ -	✓ 100%	Apr-15	Jun-15	Progress continues on all designated tower zones. For Q1, 136 premises were passed, exceeding the goal of 105.
LMR Network Replacement	Execution	Jul-19	Jul-19	✓	\$ 5,600,000	\$ 5,600,000	\$ 5,618,056	\$ 18,056	✓ 100%	Dec-12	Feb-15	Project moving forward as planned.
RR Generator Fire Protect Syst	Planning	Dec-23	TBD		\$ 5,500,000	\$ 5,500,000	TBD			Dec-16		Replace existing CO2 system. Project deferred and under review for proper solution.
RR Bridge Cranes	Execution	Jul-17	Dec-17	✗ -161	\$ 5,400,000	\$ 5,400,000	\$ 5,400,000	\$ -	✓ 100%	Dec-15	Jan-16	Completion delayed by large unit project delays.
RR C1-C11 Unit Ctrls Governor	Execution	Dec-20	Dec-20	✓	\$ 5,183,535	\$ 5,183,535	\$ 5,183,535	\$ -	✓ 100%	Dec-10	Jul-11	Replace existing digital governor controls
RI PH1 B-2 Stator Replacement	Execution	Jun-19	Jun-19	✓	\$ 4,961,785	\$ 4,961,785	\$ 4,207,348	\$ (754,437)	✓ 85%	May-07	Jun-07	Complete pending completion of B2 Modernization project
RR Excitation Reg Replc C1-C11	Execution	Nov-19	Nov-19	✓	\$ 4,508,217	\$ 4,508,217	\$ 4,508,217	\$ -	✓ 100%	Dec-11	Jun-12	Replace excitation controllers.
RI PH1 Intake Gantry Repl	Planning	Sep-19	Sep-19	✓	\$ 4,373,000	\$ 4,373,000	\$ 4,373,000	\$ -	✓ 100%	Dec-16		New gantry crane to replace 1932 crane.
N Mid C Transmission Project	Planning	TBD	Aug-18		\$ 4,245,300	\$ 4,245,300	\$ 4,245,300	\$ -	✓ 100%	Dec-11	Jul-13	Est. costs are based on preliminary design. Schedule extended significantly due to permitting. (Joint w/BPA, Douglas and Grant; BPA is lead for permitting, Douglas is lead for construction.)
Microwave Network Replacement	Planning	Dec-18	Aug-18	✓ 147	\$ 3,720,000	\$ 3,720,000	\$ 3,728,201	\$ 8,201	✓ 100%	Dec-13	Jan-15	Project moving forward as planned.
CIS Upgrade	Planning	Jan-21	Jan-21	✓	\$ 3,650,000	\$ 3,650,000	\$ 3,650,000	\$ -	✓ 100%	Dec-15		Project start delayed to 2017. Budget increase approved by Board 12/5.
RI PH1 Govnr DigCtrls B2	Execution	Jun-19	Jun-19	✓	\$ 2,890,000	\$ 2,890,000	\$ 801,884	\$ (2,088,116)	✓ 28%	Dec-10	Jul-11	Complete pending completion of B2 Modernization project
RI PH2 Bridge Crane	Execution	Dec-18	Dec-18	✓	\$ 2,870,000	\$ 2,870,000	\$ 2,870,000	\$ -	✓ 100%	Dec-13	Nov-16	Refurbish 1976 bridge crane with modern controls.
RI PH2 Gantry Crane	Execution	Dec-18	Dec-18	✓	\$ 2,574,000	\$ 2,574,000	\$ 2,574,000	\$ -	✓ 100%	Dec-13	Nov-16	Refurbish 1976 gantry crane with modern controls.
AY-AC 1&2 Relocate	Planning	TBD	TBD		\$ 2,415,000	\$ 2,415,000	\$ 2,415,000	\$ -	✓ 100%	Dec-15		Reroute approximately one mile of two transmission lines.
ISCN Vehicles	Execution	Jun-17	Jun-17	✓	\$ -	\$ 2,352,805	\$ 2,347,310	\$ (5,495)	✓ 100%	Dec-15	Jan-16	Will close with final delivery
RI PH1 Dom Wtr Twr & Piping	Execution	Apr-18	Apr-18	✓ 17	\$ 2,253,000	\$ 2,253,000	\$ 2,253,000	\$ -	✓ 100%	Dec-15	Feb-16	Replace 1930's steel water tank and piping serving RI powerhouse.
Security Infrastructure	Execution	Mar-17	Sep-17	✗ -203	\$ 2,201,092	\$ 2,201,092	\$ 1,918,694	\$ (282,398)	✓ 87%	Dec-15	Mar-15	Delay due to extended RFP process
RI PH2 Excitation Sys U1-U8	Execution	Jul-18	Apr-18	✓ 85	\$ 2,196,799	\$ 2,196,799	\$ 2,196,799	\$ -	✓ 100%	Dec-10	Jun-11	Install new exciter regulator, controls, and power potential transformer. U6 in 2017.
RI PH2 Unit MCC	Execution	Jun-22	Jun-22	✓ 28	\$ 2,040,000	\$ 2,040,000	\$ 2,040,000	\$ -	✓ 100%	Dec-12	Aug-14	Replace Motor Control Centers at PH2
Fleet - Distribution	Execution	Dec-17	Jun-18	✗ -182	\$ 2,018,000	\$ 2,018,000	\$ 2,018,000	\$ -	✓ 100%	Dec-16	Feb-17	Lead time for some purchases greater than 1 year

Report includes non-recurring projects with a Current Project Budget of \$2 Million or Greater