

Major Capital Projects¹ - End-of-Project Target Performance

Q2 2009

Ref	Project	Description	Direct ² Capital \$M		In-Service Date	
			Target	Forecast	Target	Forecast
Transmission						
3	Olympic Peninsula Reinforcement Project	Replace 14.5 miles of 115 kV line with a double circuit 230 kV line.	\$ 27.3	\$ 27.3	12/1/09	12/1/09
6	Spacer Damper Replacement Program	Replace all spring type triple bundle spacer-dampers on the 500 kV system.	\$ 65.2	\$ 65.2	9/30/12	9/30/12
4	Wood Pole Replacement Program	Implement a stable, sustained and funded wood pole replacement program.	\$ 5.6	\$ 6.2	Replace 250 poles in Q2	Replaced 286 in Q2
5	Libby (FEC)-Troy 115 kV Rebuild	Rebuild the Libby-Troy line segment as a 115kV single circuit (in-kind rebuild).	\$ 14.3	\$ 14.3	11/30/09	11/30/09
10	Big Eddy Tx Bank No. 5 Replacement	Replace 3 single-phase transformers due to age and to gain a 35 MVA capacity increase.	\$ 12.6	\$ 12.6	9/15/09	9/15/09
13	COI 4800 Project	Upgrade California-Oregon intertie to improve transfer capability, decrease congestion and improve stability.	\$ 47.7	\$ 47.7	5/31/11	5/31/11
20	3G 1710-1755 MHz Relocation Project	Vacate radio frequencies as required by P.L. 108-494.	\$ 48.6	\$ 48.6	3/31/13	3/31/13
28	Access Roads	Includes 19 to 23 projects for road improvements in or near transmission corridors.	\$ 15.5	\$ 15.5	9/30/10	9/30/10
39	500 kV Spare Transformer Project	Acquire 5 spares and relocate 2 existing transformers that will be used as spares. The spares will be placed strategically across the system.	\$ 33.6	\$ 33.6	9/30/11	9/30/11
48	FY09 TEAP - Fleet Equipment	Purchase vehicles, test equipment and other tools with procurement activities complete by 5/31/09.	\$ 9.3	\$ 9.3	5/31/09	5/31/09
51	West of McNary Reinforcement Group 1	West of McNary reinforcement project - group 1	\$ 246.5	\$ 246.5	12/31/12	12/1/12
50	NEPA - I-5 Corridor Reinforcement	Conduct NEPA study, preliminary engineering and design.	\$ 14.0	\$ 14.0	9/30/12	9/30/12
Federal Hydro						
1	Grand Coulee and Hungry Horse SCADA Replacement	Replace SCADA systems at Grand Coulee and Hungry Horse.	*	*	9/30/12	9/30/12
2	Chief Joseph Turbine Replacements	Replace turbine runners on units 5 - 14 and study the replacement of runners on units 1 - 4, 15 and 16. Costs and dates here are for phase I - total costs will be \$111m with final completion in 2015.	\$ 61.3	\$ 56.9	9/30/11	9/30/11
16	The Dalles Station Service Improvements	Install 2 new station service transformers and reconfigure existing units to a "base load" standby source.	*	*	9/30/11	6/30/11
18	McNary Transformer Installation Banks T1-T2,T4-T5	Replace remaining original (50 year old) transformer banks.	\$ 27.2	\$ 27.2	9/30/11	9/30/10
21	Grand Coulee Replace Transformer Bank K10A	Replace all 3 phases of the G10 generator step-up transformer bank K10.	*	*	4/30/11	12/31/10
37	Grand Coulee Excitation Replacement	Replace 6 original excitation units in Powerhouse 3.	*	*	11/30/13	11/30/13
38	Grand Coulee G19 - G20 Transformer Replacement	Replace 2 banks (6 single phase transformers) in the third powerhouse, units G19 and G20.	*	*	11/30/13	11/30/13
IT						
45	RODS Replacement Project	Develop, build and deploy hardware and software to replace the current RODS functionality.	\$ 20.1	\$ 20.1	9/30/12	9/30/12
Facilities						
24	Tri-Cities Consolidated Maintenance Headquarters	Acquire land and construct a consolidated maintenance HQ in the Tri Cities area. Transmission crews from Pasco, Franklin, Walla Walla, and McNary would be relocated.	*	*	9/30/10	2/28/11

¹ Includes capital projects authorized at the agency level since August 2007

² Direct capital costs exclude AFUDC and overheads

* Contracts have not been awarded - cost estimates are confidential