

Capital Projects Anticipated to be Submitted for Agency Approval
July through December 2012

Capital Projects Estimated >\$7 Million in Direct Costs

Project Title	Business Unit	Total Cost \$Millions	Project Description
AC Substation Sustain Program FY13-15	Transmission	--*	Systematic replacement of AC substation equipment per the AC Substation Asset Management Strategy.
Power Systems Control (PSC) and Telecommunications Sustain Program FY13-15	Transmission	--*	Systematic replacement of PSC and telecommunications equipment per the PSC/Telecom Asset Management Strategy.
Rights of Way (ROW) Sustain Program FY12 - 15	Transmission	--*	Program of investment to secure ROW access and rebuild access roads.
Wood Pole Lines Sustain Program FY14-15	Transmission	--*	Systematic replacement of wood pole lines components per the Wood Pole Lines Asset Management Strategy.
Steel Pole Lines Sustain Program FY14-15	Transmission	--*	Systematic replacement of steel lines hardware per the Steel Pole Lines Asset Management Strategy.
System Protection and Control (SPC) Sustain Program FY14-15	Transmission	--*	Systematic replacement of SPC equipment per the SPC Asset Management Strategy.
# JC Communications System	Transmission	--*	Complete the upper part of the #JC SONET communications ring from Hatwai sub to the Munro Control Center and Franklin.
McNary 230kV Shunt Capacitor Addition	Transmission	--*	Address low voltage issues for 230kV and 500kV buses by installing two parallel fuseless capacitor banks.
Bonanza New 230kV/115kV Substation	Transmission	--*	New substation to meet CEC load growth.
Interconnection of Thompson Falls Hydro Project (G0314)	Transmission	--*	PPL Montana, LLC interconnection has requested interconnection of 95 MW of existing hydro generation. The proposed plan-of-service is for BPA to build a new 230 kV, three breaker, ring bus substation for loop into BPA's Noxon – Hot Springs #1 230 kV line.
McNary 4160 and 480V Station Service Replacement	Federal Hydro	--*	The station service power system at McNary is original equipment. It extends throughout the powerhouse, as well as to several remote external loads. Due to age and condition, the station service system is being replaced to maintain plant reliability.
IT Virtualization and Consolidation (IVC)	IT	22.3	Implements server consolidation and virtualization for non critical business systems. Replaces servers and storage that is at or beyond end of life. Moves to new server operating system. Improves management and monitoring capabilities.
Ross Maintenance Headquarters	Facilities	--*	New maintenance headquarters on Ross Complex to support Transmission Field Services .

This information has been made publicly available by BPA on 8/17/2012 and does not contain Agency-approved Financial Information.

* Contract has not been awarded - cost estimate is confidential