

Capital Projects Anticipated to be Submitted for Agency Approval

January through June 2012

Capital Projects Estimated >\$7 Million in Direct Costs

Project Title	Business Unit	Total Cost \$Millions	Project Description
Q System Analog to #JC Microwave Upgrade	Transmission	--*	This project will complete the #JC ring and retire the analog Q system and the *Q system in the Eastern Washington and Idaho area.
Operational Multi-Gigabit Ethernet Transport	Transmission	--*	This is a BPA wide next generation communication system for controls equipment requiring ethernet.
PSC Sustain - Program FY12-16	Transmission	--*	Power Systems and Control sustain program business case to implement the PSC strategy.
G0309 to 12 Horizon Energy – East Klickitat Wind Projects	Transmission	--*	The Horizon Energy wind projects (800 MW split into 4 - 200 MW requests over 5-7 years starting in 2013) will interconnect into the new 500/230 kV Central Ferry (BPA) substation.
G0314 Interconnection of Thompson Falls Hydro Project	Transmission	--*	PPL Montana, LLC interconnection request for 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.
G0361 Invenenergy's Heppner Wind	Transmission	--*	201 MW wind project to be interconnected at a new 500 kV substation on the BPA-owned portion of the 500 kV line connecting the Hermiston Power Project (HPP) to McNary. The project anticipates a late 2013 energization date
G0388 Exergy Development Group, LLC's Badger Peak Wind	Transmission	--*	Badger Peak Wind is a 20 MW wind project located in Cassia County, Idaho. The developer requested an interconnection of the project to BPA's Idahome Substation.
McNary 4160 & 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.
McNary Digital Governor Replacement	Federal Hydro	--*	Replaces the 14 original governors at McNary, that are antiquated, with a modern, digital design.
IT Disaster Recovery (ITDR)	IT	\$ 18.0	Assist Facilities in designing and building a new Alternate Data Center (ADC) at Munro.
Eastside Alternate Operating Facility	Facilities	--*	Alternate scheduling center, data center and security monitoring center at Munro
Tri-Cities	Facilities	--*	New maintenance headquarters in the Tri-Cities area

This information has been made publicly available by BPA on 2/6/2012 and does not contain Agency-approved Financial Information.

* Contract has not been awarded - cost estimate is confidential