

2012 Capital Projects

Capital Project	Amount *
2012 local capacity requirements study	small
Architecture: consolidation of customer reporting	medium
Control area scheduler (CAS) improvements	medium
Common user interface deployment	small
Duplicate data	small
Energy management system automatic generator control enhancements	small
Hour ahead and resiliency and single points of failure remediation	medium
Implement enterprise model management systems	medium
Integration: deployment of common adaptor framework	medium
Market services enhancements including congestion revenue rights	medium
Market validation tool	medium
Master File enhancements	small
Outage management system (OMS) Phase 3	medium
Resource Interconnection Management System enhancements	small
Smart grid California Energy Commission Phasor project	small
State estimator enhancements	small
Automated load forecast system (ALFS) upgrade to 5.0/5.1	small
Ancillary services forecasting system	small
Bid cost recovery / meter energy adjustment factor (MEAF)	medium
Data release – phase 3	small
Dynamic transfers	small
FERC Order 755 – compensation for regulation	large
Flexible ramping	medium
Greenhouse gas regulation implementation	small
Non-Generator resources in ancillary services market requirements (REM Project)	large
Operations enhancements 2012	large
Ramp forecasting tools	small
Replacement requirements for schedule generation outages	small
Access and identity management	small
Customer Inquiry Dispute and Information system functionality expansion	small
Customer experience improvement initiative	small
Update Business Process Manual application	small
Architecture: consolidation of settlement and post processes.	small
Compliance North American Energy Reliability Council audit	small
Corporate systems enhancements project	medium
Enterprise server hardware upgrades and equipment purchases	large
Testing automation for compliance requirements	small
Assessment of visibility and control options – phase 2	small
Distributed energy resources penetration update process and implementation with investor owned utilities	small
Studies for renewable integration / fleet characteristics study	small
Vehicle to grid pilot program	small
Annual request for facilities costs	small
Blue Ravine (former headquarters site) decommissioning costs	large
Program Office project management costs	large
Total	\$ 20,800,000

* Note: The costs of the individual projects are not shown, but are categorized by size as follows: small projects under \$500k, medium projects from \$500k to \$1 million, and large projects over \$1 million. The actual projects completed during 2011 will vary, including the potential addition of projects not on this list, the deferral of projects on this list to future years, or the elimination of projects on this list if no longer necessary.