PSA Listing PS41A Admin-General Manager Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| ltem # 1 | TBD | 4,998 | Board Governance training | 496 | PS41A | 62085 0000 | P000000 | 92300 |
| Item # 2 | TBD | 19,992 | Legislative advocacy | 496 | PS41A | 62085_0000 | P000000 | 92300 |
| Item # 3 | TBD | 24,600 | Research and legislative advocacy | 496 | PS41A | 62085_0000 | P000000 | 92300 |
| Item # 4 | TBD | 29,988 | Utility management and advisory services | 496 | PS41A | 62085_0000 | P000000 | 92300 |
| Item # 5 | TBD | 49,980 | Management / organizational consulting | 496 | PS41A | 62085_0000 | P000000 | 92300 |
| Item # 6 | TBD | 49,980 | Recruitment | 496 | PS41A | 62085_0000 | P000000 | 92300 |
| Item # 7 | TBD | 72,000 | Federal advocacy services | 496 | PS41A | 62085_0000 | P000000 | 92300 |
| Totals | | \$251,538 | | | | | | |

PSA Listing PS43X Safety Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 12,500 | Asbestos awareness and safety training | 496 | PS43X | 62085 0000 | P000000 | 92300 |
| Item # 2 | TBD | 15,000 | Fitness training program for injury prevention | 496 | PS43X | 62085 0000 | P000000 | 92300 |
| Item # 3 | TBD | 3,000 | Bicycle safety training program | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| Item # 4 | TBD | 45,000 | Safety Dashboard - interactive process to track safety metrics and provide easy access via computer | 496 | PS43X | 15041_0000 | P000000 | 10700 |
| Item # 5 | TBD | 15,000 | Baseline monitoring and exposure record services for illness and injury prevention | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| Item # 6 | TBD | 20,000 | Electrical safety training program | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| Item # 7 | TBD | 25,000 | Electric Arc Flash Awareness and prevention | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| Item # 8 | TBD | 40,000 | Development of a Pilot program for core strengthing and injury and illness prevention | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| Item # 9 | TBD | 25,000 | Training for Look Out and Tag Out (LOTO) | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| ltem # 10 | Workcare | 25,000 | Medical professional services for injury and incident intervention | 496 | PS43X | 62085_0000 | P000000 | 92300 |
| Item # 11 | TBD | 25,000 | Commercial drivers safety services | 496 | PS43X | 62755_0000 | P000000 | 92300 |
| ltem # 12 | TBD | 66,000 | Develop and implement customized automated safety training courses | 496 | PS43X | 62755_0000 | P000000 | 92300 |
| Totals | | \$316,500 | | | | | | |

PSA Listing PS42A Customer Service Admin Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 40,000 | Recruitment services for executive management | 496 | PS42A | 62085_0000 | P000000 | 92000 |
| Totals | | \$40,000 | | | | | | |

PSA Listing PS42D Credit/Call Center Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| | | | | | | | | |
| Item # 1 | Equifax | 4,800 | Credit scoring fees | 496 | PS42D | 62085_0000 | P000000 | 90300 |
| Item # 2 | TBD | 60,000 | Online billing, Interactive Voice Response (IVR) system, and miscellaneous program fees | 496 | PS42D | 62085_0000 | P000000 | 90300 |
| Item # 3 | KUBRA | 30,000 | Platform upgrade for the iDox bill/payment database | 496 | PS42D | 62085_0000 | P000000 | 90300 |
| Item # 4 | Sequoia | 2,500 | Collection services fees | 496 | PS42D | 62085_0000 | P000000 | 90400 |
| Item # 5 | TBD | 150,000 | IVR Software and Programming to interface with new phone system | 496 | PS42D | 15042_0000 | P000000 | 10700 |
| Item # 6 | TBD | 25,000 | Customer Payment Options | 496 | PS42D | 62085_0000 | P000000 | 90300 |
| Item # 7 | Language Line | 1,500 | Translation Services | 496 | PS42D | 62085_0000 | P000000 | 90300 |
| Totals | | \$273,800 | | | | | | |

PSA Listing PS42S Billing Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | ITRON (MDMS SERVICES) | 50,000 | Water meter reading system programming | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 2 | Kubra | 484,000 | Bill print and mail services | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 3 | TBD | 200,000 | Managed services for Customer Care and Billing (Capital portion) | 496 | PS42S | 15042_0000 | P000000 | 10700 |
| Item # 4 | TBD | 50,000 | Enterprise Service Business support | 496 | PS42S | 62085_0000 | P000000 | 90200 |
| Item # 5 | TBD | 168,490 | Customer Portal Hosting | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 6 | TBD | 100,000 | Billing application support | 496 | PS42S | 62085_0000 | P000000 | 90200 |
| Item # 7 | TBD | 120,000 | Meter data management (MDM) system analytic support | 496 | PS42S | 62085_0000 | P000000 | 90200 |
| Item # 8 | TBD | 200,000 | Meter data management system operations support | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 9 | TBD | 600,000 | Managed services for Customer Care and Billing (CC&B) - O&M portion | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 10 | TBD | 42,000 | MV-web hosting to present internal data to large customers | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 11 | Trilliant | 41,000 | Advanced Metering Infrastructure (AMI) hosting services | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 12 | Trilliant | 50,000 | Programming for Advanced Metering Infrastructure (AMI) | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 13 | Trilliant | 150,000 | Back-end support for Sustainment services | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 14 | Trilliant | 140,000 | Software and Hardware Support for AMI | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 15 | TBD | 25,000 | Advance Meter Support | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 16 | TBD | 60,000 | Support and backup database administrator during go-live | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| Item # 17 | TBD | 50,000 | SG-MDM Capital Project Backfill Staffing | 496 | PS42S | 15042_0000 | P000000 | 10700 |
| Item # 18 | TBD | 50,000 | Customer Portal Support | 496 | PS42S | 62085_0000 | P000000 | 90300 |
| ltem # 19 | TBD | 250,000 | CIS Upgrade Support | 496 | PS42S | 15042_0000 | P000000 | 10700 |
| Totals | | \$2,830,490 | | | | | | |

PSA Listing PS44B Marketing and Public Benefits-Public Benefits Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 450,000 | Energy Solutions business rebates | 496 | PS44B | 62170_0000 | P000000 | 90800 |
| Item # 2 | TBD | 150,000 | Home Rewards residential rebates | 496 | PS44B | 62170_0000 | P000000 | 90800 |
| Item # 3 | TBD | 44,000 | Currents newsletter production | 496 | PS44B | 62170_0000 | P000000 | 90900 |
| Item # 4 | TBD | 620,000 | Low-income assistance programs | 496 | PS44B | 62170_0000 | P000000 | 90800 |
| Item # 5 | TBD | 5,000 | Community events | 496 | PS44B | 62170_0000 | P000000 | 90900 |
| Item # 6 | TBD | 3,000 | Student architectural design competition | 496 | PS44B | 62170_0000 | P000000 | 90800 |
| Item # 7 | TBD | 275,000 | EV charger rebates, infrastructure pilots, and equipment demos marketing | 496 | PS44B | 62170_0000 | P000000 | 90800 |
| Item # 8 | TBD | 15,000 | BWP share of SCPPA programs | 496 | PS44B | 62170_0000 | P000000 | 90900 |
| Item # 9 | TBD | 400,000 | Upstream HVAC program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 10 | TBD | 75,000 | Made in the Shade program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 11 | TBD | 350,000 | HVAC Tune-up program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 12 | TBD | 1,750,000 | Home Improvement Program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 13 | TBD | 500,000 | Business Bucks program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 14 | TBD | 110,000 | Refrigerator Round-up progrram | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| ltem # 15 | TBD | 40,000 | Refrigerator Exchange program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| ltem # 16 | TBD | 75,000 | LivingWise Educational program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 17 | TBD | 100,000 | Business newsletters, customer communications, and consulting services | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 18 | TBD | 320,000 | Home Energy Reports program | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Item # 19 | TBD | 40,000 | Ice Bear maintenance | 496 | PS44B | 62085_0000 | P000000 | 90800 |
| Totals | | \$5,322,000 | | | | | | |

PSA Listing PS44M Marketing and Public Benefits-Marketing Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 45.000 | Web maintenance and hosting services | 496 | PS44M | 62085 0000 | P000000 | 90900 |
| Item # 2 | RKS Research | 24,000 | CMUA statewide and BWP customer satisfaction | 496 | PS44M | 62085_0000 | P000000 | 90900 |
| Item # 3 | Sylvir Consulting | 40,000 | surveys Grant-writing services | 496 | PS44M | 62085_0000 | P000000 | 90900 |
| Totals | | \$109,000 | | | | | | |

PSA Listing PS31A Electrical Equipment Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|---------------------------------|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 5,000 | Arc flash labeling for stations | 496 | PS31A | 62085_0000 | P000000 | 58200 |
| Item # 2 | TBD | 8,000 | Equipment salvage and disposal | 496 | PS31A | 62085_0000 | P000000 | 58200 |
| Totals | | \$13,000 | | | | | | |

PSA Listing PS31B Electrical Distribution Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 10,000 | Consulting for improving operating practices | 496 | PS31B | 62085_0000 | P000000 | 58000 |
| Totals | | \$10.000 | | | | | | |

PSA Listing PS31D Electrical Services Admin Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 40,000 | Engineering practices consulting to improve technical productivity | 496 | PS31D | 62085_0000 | P000000 | 58000 |
| Item # 2 | TBD | 40,000 | Recruitment services for executive management | 496 | PS31D | 62085_0000 | P000000 | 58000 |
| Totals | | \$80,000 | | | | | | |

PSA Listing PS31E Electrical Engineering Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|---------------------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | Armorcast | 100,000 | Substructure rehabilitation | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 2 | Chuck Herron | 30,000 | Engineering support for planning and design of pole replacements | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 3 | Maxim Crane Works | 75,000 | Crane services | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 4 | Parkia | 100,000 | Perform underground conduit design | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 5 | TBD | 50,000 | Pole loading calculation support | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 6 | Parkia | 100,000 | Substructure inspection consulting | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 7 | TBD | 100,000 | Temporary engineering staffing services | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 8 | TC Technology | 50,000 | Development and implementation of mobile mapping and inspection technologies | 496 | PS31E | 15042_0000 | P000000 | 10700 |
| Item # 9 | Leverage Systems | 35,000 | Camera support after installation | 496 | PS31E | 62085_0000 | P000000 | 58000 |
| Item # 10 | TBD | 50,000 | Substation Transformer Replacement design support | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 11 | TBD | 80,000 | Business differential relay upgrades design support | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 12 | WorleyParsons | 100,000 | Design support for replacing obsolete equipment and system improvements in substations | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 13 | TBD | 50,000 | Design and specifications for distribution substation transformer backup | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 14 | TBD | 60,000 | High voltage circuit breaker replacements design support | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 15 | TBD | 46,000 | Support for design of transformer temperature monitor installation | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 16 | TBD | 200,000 | Design support for Alameda site restoration | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 17 | TBD | 50,000 | Joint-Pole Agreement processing support | 496 | PS31E | 62085_0000 | P000000 | 58800 |
| Item # 18 | TBD | 75,000 | Study for substation automatic transfer schemes | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 19 | TBD | 50,000 | Design support for current limiting reactors | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 20 | TBD | 80,000 | Support for design of transformer relay upgrades | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 21 | HDR | 200,000 | Project engineering and design review support for capital projects | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| ltem # 22 | ASCE | 60,000 | Engineering support | 496 | PS31E | 62085_0000 | P000000 | 58000 |
| Item # 23 | Relay Application Innovation | 80,000 | Substation standards support | 496 | PS31E | 15022_0000 | P000000 | 10700 |
| Item # 24 | SSP Innovations | 75,000 | Work Flow Management (WFM)/Geographic Information System (GIS) support | 496 | PS31E | 62085_0000 | P000000 | 58000 |
| Totals | | \$1,896,000 | | | | | | |

PSA Listing PS31T Electrical Testing Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|-------------------------------|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 30,000 | Meters engineering consultant | 496 | PS31T | 62085_0000 | P000000 | 58600 |
| Totals | | \$30.000 | | | | | | |

PSA Listing PS12A Local Generation Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|-----------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 50,000 | Engineering Computer Aided Design (CAD) support for red-lined drawings and to enhance the document filing system (Sharepoint) | 496 | PS12A | 62085_0000 | P000000 | 54900 |
| Item # 2 | TBD | 20,000 | Controls engineering to provide essential services until recruitment is completed for a Controls Engineering position | 496 | PS12A | 62085_0000 | P000000 | 54800 |
| Item # 3 | TBD | 30,000 | Maintenance and supplies for the LM 6000 (Lake Unit) resulting from inspection findings and technical service bulletins from General Electric (GE) | 496 | PS12A | 62085_0000 | P000000 | 54830 |
| Item # 4 | TBD | 60,000 | Plant controls engineering support for DeltaV controls software and Distributed Controls System (DCS) and Guardian Support Service for Emerson Products. | 496 | PS12A | 62085_0000 | P000000 | 55300 |
| Item # 5 | TBD | 200,000 | Landfill microturbine and flare operations and maintenance | 496 | PS12A | 62085_0000 | P000000 | 54840 |
| Item # 6 | TBD | 16,000 | Selective Catalytic Reduction (SCR) and Carbon Dioxide (CO) catalyst testing for the Lake Unit, to accurately predict remaining catalyst life and the associated maintenance and replacement schedule | 496 | PS12A | 62085_0000 | P000000 | 54830 |
| Item # 7 | Trinity | 7,500 | Greenhouse Gas verification services for the Lake Unit | 496 | PS12A | 62085_0000 | P000000 | 54830 |
| Item # 8 | TBD | 14,000 | Cooling tower chemicals, as needed to maintain water chemistry in the Lake Unit within acceptable operating limits | 496 | PS12A | 62381_0000 | P000000 | 54800 |
| Item # 9 | TBD | 6,120 | Maintenance training on specific job tasks associated with BWP's power supply equipment | 496 | PS12A | 62755_0000 | P000000 | 55300 |
| Item # 10 | TBD | 14,180 | Operations training to maintain proficiency in the operations of the Lake Unit | 496 | PS12A | 62755_0000 | P000000 | 54800 |
| Item # 11 | TBD (Up to 4 vendors) | 28,750 | Air quality testing to meet Air Quality Standards and ensure regulatory compliance | 496 | PS12A | 63240_0000 | P000000 | 54800 |
| Item # 12 | TBD | 50,000 | Legal services on environmental issues | 496 | PS12A | 63240_0000 | P000000 | 54800 |
| Item # 13 | PureTec | 17,500 | Demineralized water production | 496 | PS12A | 63295_0000 | P000000 | 54830 |
| Totals | | \$514,050 | | | | | | |

PSA Listing PS12E ECC Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 7,500 | UPS Maintenance Service Contract | 496 | PS12E | 62170_0000 | P000000 | 58100 |
| Item # 2 | TBD | 10,000 | Fire Protection and Halon System Maintenance | 496 | PS12E | 62085_0000 | P000000 | 58800 |
| Item # 3 | ACCO | 3,500 | General Air Conditioning Maintenance | 496 | PS12E | 62170_0000 | P000000 | 58100 |
| Item # 4 | TBD | 50,000 | Training Program development and support | 496 | PS12E | 62085_0000 | P000000 | 58800 |
| Item # 5 | TBD | 5,000 | Static Map Board maintenance | 496 | PS12E | 62170_0000 | P000000 | 58100 |
| Totals | | \$76,000 | | | | | | |

PSA Listing PS12Z Power Systems Admin Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulate |
|--------------|---|---------------|--|-------------|-------------|----------------------------|----------------|-----------------|
| Item # 1 | Applied Controls Solutions, LLC | 24,000 | Cyber Security Consulting | 496 | PS12Z | 62085_0000 | P000000 | 92300 |
| Item # 2 | ASCE Consultants | 70,000 | Support and maintenance for Power Supply reporting tools | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 3 | Duncan & Allen / George Kieffer (Manatt, Phelps & Phillips, LLP) | 500,000 | Legal services regarding Federal Energy Regulatory Commission (FERC)/electric regulatory/high voltage transmission rights | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 4 | TBD | 75,000 | Environmental compliance support | 496 | PS12Z | 63240_0000 | P000000 | 55700 |
| Item # 5 | Hanna and Morton | 200,000 | Southern California Generation Coalition (SCGC) - natural gas pipeline access, regulatory and rate proceedings at the California Public Utilities Commission (CPUC), and natural gas supply consulting | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 6 | Incremental Systems | 90,000 | North American Electric Reliability Corporation (NERC) reliability standards training for BWP Operations staff | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 7 | Environmental Management Professionals, LLC. | 30,000 | Environmental regulatory compliance and permitting support | 496 | PS12Z | 63240_0000 | P000000 | 55700 |
| ltem # 8 | TBD | 30,000 | Legal support for environmental compliance | 496 | PS12Z | 63240_0000 | P000000 | 55700 |
| Item # 9 | TBD | 2,000,000 | Advanced Distribution Management System (ADMS) / Energy Management System (EMS) | 496 | PS12Z | 15042_0000 | P000000 | 10700 |
| ltem # 10 | Manatt, Phelps & Phillips, LLP / TBD | 120,000 | Greenhouse gas regulatory compliance at the state and federal level | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 11 | Moody KMV | 17,000 | Credit assessment analysis | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 12 | TBD | 40,000 | Recruitment services for executive management | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 13 | TBD | 25,000 | Power Supply employee development | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 14 | TBD | 30,000 | Risk management | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 15 | TBD | 30,000 | Power Supply management and administrative training | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 16 | TBD | 28,750 | Secure ID, RSA, Smart Cards | 496 | PS12Z | 62085_0000 | P000000 | 92300 |
| Item # 17 | TBD | 100,000 | Controls Engineering Support | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 18 | Cooper Compliance | 125,000 | North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) & Reliability Standards Compliance Assistance | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 19 | TBD | 75,000 | SCADA & related systems engineering support | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 20 | TBD | 65,000 | Systems Integration and Reporting | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 21 | TBD | 120,000 | License, software and model updates, contingency analysis and scenario training for grid management | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 22 | TBD | 200,000 | North American Electric Reliability Corporation (NERC) Compliance Mock Audit | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 23 | Telvent USA, LLC | 45,000 | Power Control System (PCS) maintenance agreement | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 24 | Telvent USA, LLC | 50,000 | Telvent OASyS software maintenance agreement | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 25 | TBD | 50,000 | Supervisory Control and Data Acquisition (SCADA)/Power Control System (PCS) optimization | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 26 | Telvent USA, LLC | 125,000 | Outage Management System (OMS) Extended Support and Maintenance (ESM) agreement | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 27 | TBD | 5,000 | International Swaps and Derivatives Association (ISDA) negotiations consulting | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| Item # 28 | Trimark Associates | 7,500 | Western Renewable Energy Generation Information System (WREGIS) meter data upload service | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 29 | Cemtek Environmental | 15,000 | Continuous Emission Monitoring System (CEMS) support | 496 | PS12Z | 63240_0000 | P000000 | 55700 |
| Item # 30 | RKI Engineering | 50,000 | Support and training for Continuous Emission Monitoring System (CEMS), Human-Machine Interface (HMI), and Programmable Logic Controller (PLC) | 496 | PS12Z | 63240_0000 | P000000 | 55700 |
| ltem # 31 | TBD | 20,000 | Greenhouse Gas (GHG) reporting verification | 496 | PS12Z | 63240_0000 | P000000 | 55700 |
| Item # 32 | TBD | 500,000 | 2018 Integrated Resource Plan (IRP) Development per Senate Bill 350 | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 33 | TBD | 50,000 | Power Resources Regulatory Consulting | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| ltem # 34 | TBD | 100,000 | Power Supply Analysis Planning and Evaluation Energy Imbalance Market (EIM) CAISO Power Pool | 496 | PS12Z | 62085_0000 | P000000 | 55700 |
| | | \$5,012,250 | | | | | | |

PSA Listing PS43D General Construction Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|-----------------------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 20,000 | Civil engineering services for environmental compliance | 496 | PS43D | 62085_0000 | P000000 | 92300 |
| Item # 2 | Citadel Environmental Services | 6,000 | Environmental services to identify hazardous or toxic building materials associated with facility demolition work | 496 | PS43D | 62085_0000 | P000000 | 92300 |
| Item # 3 | HMI | 7,500 | Abatement industrial hygiene (IH) monitoring to ensure employee safety during demolition of facilities containing lead and asbestos materials | 496 | PS43D | 62085_0000 | P000000 | 92300 |
| Item # 4 | KEVIN A SMOLA & ASSOCIATES INC | 50,000 | Engineering consulting for review of the cost and efficiency of the heating, ventilating, and air conditioning (HVAC) system in the BWP Administration Building and other BWP facilities as needed | 496 | PS43D | 62085_0000 | P000000 | 92300 |
| Item # 5 | LAYLA LEYBA VALENZUELA | 10,000 | Horticultural consultations for selection, care, and treatment of plants and shrubs, including evaluation of irrigation, fertilization, pruning, and pest and disease control practices | 496 | PS43D | 62085_0000 | P000000 | 92300 |
| Totals | | \$93,500 | | | | | | |

PSA Listing PS41B Admin-Finance Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| | | | | | | | | |
| Item # 1 | Bond Logistix LLC | 5,000 | Bond Arbitrage Calculation | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 2 | The Regulatory Assistance Project | 45,000 | Rates and analytical support | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 3 | TBD | 50,000 | Work Asset Management consulting | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 4 | TBD | 10,000 | Legal fees | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 5 | Moody's | 10,000 | Moody's Annual Rating | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 6 | TBD | 20,000 | Financial management advisory services | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 7 | TBD | 25,000 | Hyperion consulting | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 8 | TBD | 20,000 | Internal audit services | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Item # 9 | TBD | 10,000 | Federal Energy Regulatory Commission (FERC) accounting and reporting consulting | 496 | PS41B | 62085_0000 | P000000 | 92300 |
| Totals | | \$195,000 | | | | | | |

PSA Listing PS43A Fleet Admin Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | Clifford Development Group Inc. (CDG) | 75,000 | Construction management of Fleet Building Modification | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 2 | TBD | 5,000 | Agency permits and fees | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 3 | TBD | 10,000 | Fleet Building Modification inspections | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 4 | Haworth | 50,000 | Work station fixtures and equipment for the Fleet Building Modification | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 5 | Pivot Interiors | 10,000 | Work seating for the Fleet Building Modification | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 6 | Unisource | 10,000 | Design work station layout for the Fleet Building Modification | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 7 | Tyler Gonzalez Architects (TGA) | 38,600 | Bid support and construction administration for the Fleet Building Modification project | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Item # 8 | TBD | 5,000 | Fleet regulatory emission compliance service | 496 | PS43A | 62085_0000 | P000000 | 93300 |
| Item # 9 | Citadel | 10,000 | Fleet Building Modification environmental services | 496 | PS43A | 15022_0000 | P20755 | 10700 |
| Totals | | \$213,600 | | | | | | |

PSA Listing PS43B Field Services-Warehouse 2 Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 5,000 | Materials improvement planning | 496 | PS43B | 62085_0000 | P000000 | 93400 |
| Item # 2 | Modula | 10,500 | On call service for vertical lift modules | 496 | PS43B | 62085_0000 | P000000 | 93400 |
| Item # 3 | Pacific Integrated Handling | 10,000 | On site repairs and preventive maintenance for vertical lift modules | 496 | PS43B | 62085_0000 | P000000 | 93400 |
| Totals | | \$25,500 | | | | | | |

PSA Listing PS43C Security Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 3 | TBD | 50,000 | Security services for BWP off campus sites and events | 496 | PS43C | 62085_0000 | P000000 | 92300 |
| Item # 4 | TBD | 50,000 | Network Engineering Support services | 496 | PS43C | 62085_0000 | P000000 | 92300 |
| Item # 5 | TBD | 56,000 | NERC CIP Support | 496 | PS12Z | 62085_0000 | P000000 | 92300 |
| Item # 6 | TBD | 100,000 | Compliance Program Setup | 496 | PS43C | 62085_0000 | P000000 | 92300 |
| Totals | | \$256,000 | | | | | | |

PSA Listing PS45A Operational Technology Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|--------------------|---------------|---|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | TBD | 10,000 | Strategic development, cloud, disaster recovery | 496 | PS45A | 62085_0000 | P000000 | 92300 |
| Item # 2 | TBD | 50,000 | Database and systems architecture design | 496 | PS45A | 62085_0000 | P000000 | 92300 |
| Item # 3 | TBD | 30,000 | Systems support for BWP architecture | 496 | PS45A | 62085_0000 | P000000 | 92300 |
| Item # 4 | TBD | 25,000 | Support for Integrations | 496 | PS45A | 62085_0000 | P000000 | 92300 |
| Totals | | \$115.000 | | | | | | |

PSA Listing PS81A Telecom-Maintenance Adopted Budget FY17-18 Budget

| PSA ITEMS | PSA Vendor Name | PSA Amount | PSA Purpose | PSA Fund | PSA Cost | PSA Account- Subaccount | PSA Project | PSA Regulatory |
|--------------|---|---------------|--|-------------|-------------|----------------------------|----------------|-------------------|
| Item # 1 | Goodwin, MacBride, Squeri, Day & Lamprey, LLP - John L Clark | 30,000 | Legal services in support of ONE Burbank | 496 | PS81A | 62085_0000 | P000000 | 92300 |
| Item # 2 | Subsentio and Calea MRC Fees | 30,000 | Provide network assessment related to the Communications Assistance for Law Enforcement Act (CALEA) and Federal Communications Commission (FCC) rules | 496 | PS81A | 62085_0000 | P000000 | 92300 |
| Item # 3 | Vision Internet | 5,000 | Maintenance and changes to the ONEBURBANK.com website | 496 | PS81A | 62085_0000 | P000000 | 92300 |
| Item # 4 | TBD | 25,000 | Broker and facilitate purchase of IP address space | 496 | PS81A | 62085_0000 | P000000 | 92300 |
| Item # 5 | Cable Engineering Services | 10,000 | Pole loading calculation engineering & support | 496 | PS81A | 15022_0000 | P000000 | 10700 |
| Totals | | \$100,000 | | | | | | |