

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Application of San Diego Gas & Electric Company  
(U 902 E) for Approval of Energy Storage and Energy  
Efficiency Contracts Arising from the Track IV Local  
Capacity Requirement All Source Request for Offers

Application 16-03-\_\_\_\_\_  
(Filed March 30, 2016)

**APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 E)  
FOR APPROVAL OF ENERGY STORAGE AND ENERGY EFFICIENCY  
CONTRACTS ARISING FROM THE TRACK IV LOCAL CAPACITY  
REQUIREMENT ALL SOURCE REQUEST FOR OFFERS**

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**TABLE OF CONTENTS**

**I. INTRODUCTION ..... 1**

**II. BACKGROUND..... 3**

**III. SUMMARY OF CONTRACTS ..... 5**

**IV. RATEMAKING..... 8**

**V. SUMMARY OF TESTIMONY..... 9**

**VI. RELIEF REQUESTED ..... 10**

**VII. STATUTORY AND PROCEDURAL REQUIREMENTS ..... 12**

    A. Rule 2.1 (a) – (c) ..... 12

        1. Rule 2.1 (a) - Legal Name..... 12

        2. Rule 2.1 (b) - Correspondence ..... 12

        3. Rule 2.1 (c)..... 13

    B. Rule 2.2 – Articles of Incorporation ..... 14

    C. Rule 3.2 (a) – (d) – Authority to Increase Rates ..... 14

        1. Rule 3.2 (a) (1) – balance sheet ..... 14

        2. Rule 3.2 (a) (2) – statement of effective rates..... 14

        3. Rule 3.2 (a) (3) – statement of proposed increases ..... 15

        4. Rule 3.2 (a) (4) – description of property and equipment..... 15

        5. Rule 3.2 (a) (5) and (6) – summary of earnings..... 15

        6. Rule 3.2 (a) (7) – statement re tax depreciation..... 16

        7. Rule 3.2 (a) (8) – proxy statement ..... 16

        8. Rule 3.2 (a) (10) – statement re pass through to customers..... 16

        9. Rule 3.2 (b) – notice to state, cities and counties..... 16

        10. Rule 3.2 (c) – newspaper publication ..... 17

        11. Rule 3.2 (d) – bill insert notice ..... 17

**VIII. CONFIDENTIAL INFORMATION ..... 17**

**IX. SERVICE ..... 17**

**X. CONCLUSION..... 18**

**ATTACHMENT A (SDG&E Financial Statement, Balance Sheet, and Income Sheet)**

**ATTACHMENT B (SDG&E Statement of Effective Rates)**

**ATTACHMENT C (SDG&E Statement of Proposed Increases)**

**ATTACHMENT D (SDG&E Statement of Original Cost and Depreciation Reserve)**

**ATTACHMENT E (SDG&E Summary of Earnings)**

**ATTACHMENT F (SDG&E Service List of City, County, and State Officials)**

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**I. INTRODUCTION**

Pursuant to California Public Utilities Code Sections 454.5, 701 and 702, the California Public Utilities Commission's ("Commission" or "CPUC") Rules of Practice and Procedure, Commission Decisions ("D.") 13-02-015 ("Track I Decision") and D.14-03-004 ("Track IV Decision"), and Executive Director Timothy Sullivan's November 25, 2015 letter,<sup>1</sup> San Diego Gas & Electric Company ("SDG&E") files this Application for approval of energy storage ("ES") and energy efficiency ("EE") contracts resulting from its Track IV Local Capacity Requirement All Source Request for Offers ("Track IV All Source RFO"). The retirement of the San Onofre Nuclear Generating Station ("SONGS") and the State Water Resources Control Board ("SWRCB") regulations requiring the mandatory retirement of once-through cooling ("OTC") resources in Southern California have created a need for new resources to meet SDG&E's local capacity requirement ("LCR"). Pursuant to the Commission's Track IV

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<sup>1</sup> November 25, 2015 Letter from Executive Director Timothy J. Sullivan to Clay Faber Granting Extension of Time to Comply with Conclusion of Law 40 of D.14-10-045 (2014 Storage Procurement Framework and Program Applications), requiring SDG&E to file an application requesting approval of the 2014 storage contracts no later than March 30, 2016.

Decision, SDG&E is not required to fill its total authorized need until the end of 2021.<sup>2</sup> The ES and EE contracts that are the subject of this Application fill a portion of this need and constitute a first step toward meeting the full requirement by the end of 2021. The total cost of the two contracts over their respective contract terms is approximately \$92 million (this does not include franchise fees and uncollectibles and excludes the cost of energy for the ES batteries).

As described in more detail in the supporting Direct Testimony of SDG&E's witnesses, the ES and EE contracts selected from the Track IV All Source RFO should be approved for the following reasons:

- The Commission authorized, via D.14-03-004 (Track IV Decision), SDG&E to conduct a competitive All Source RFO.
- The ES and EE contracts that are the subject of this Application were solicited via SDG&E's competitive Track IV All Source RFO, and the RFO was designed to be consistent with the requirements and procurement guidelines as presented in the Track I and Track IV Decisions.
- At all stages of the Track IV All Source RFO, SDG&E consulted with its Cost Allocation Mechanism ("CAM") Procurement Review Group ("PRG") and also worked with its Independent Evaluator ("IE") to ensure that the solicitation was open, designed and evaluated without bias, and likely to garner a robust response from the market.
- Based on a measured procurement approach, following a multiple step evaluation process, it was determined that the ES and EE contracts that are the subject of this

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<sup>2</sup> D.14-03-004, Track IV Decision, Ordering Paragraph ("OP") 2.

Application were the most attractive offers from a quantitative and qualitative (Least-Cost, Best-Fit) (“LCBF”) basis.

- Analyses performed on the ES and EE contracts indicate that they are cost effective, include favorable pricing terms, represent good value and, are therefore reasonable to procure on behalf of SDG&E’s ratepayers.
- As preferred resources, the ES and EE contracts are consistent with the Commission’s loading order in the Track IV Decision.
- As preferred resources, the ES and EE contracts are also compliant with both the Commission’s greenhouse gas (“GHG”) standards and SDG&E’s GHG reduction objectives.
- SDG&E is requesting a regulatory accounting and cost recovery mechanism consistent with the Track IV Decision and the Commission-approved CAM and Public Purpose Program (“PPP”) rates to allocate the costs incurred to all benefitting customers.

Accordingly, SDG&E respectfully requests that the Commission approve the Track IV All Source RFO, SDG&E’s conduct with respect to the Track IV All Source RFO, and the contracts selected through the Track IV All Source RFO process as prudent and reasonable.

## **II. BACKGROUND**

On March 13, 2014, the Commission issued the Track IV Decision (D.14-03-004) in the 2012 Long Term Procurement Plan (“LTPP”) proceeding (R.12-03-014). The Track IV Decision ordered SDG&E, among other things, to issue an All Source RFO for specified quantities and types of local capacity resources.<sup>3</sup> Accordingly, on September 5, 2014, SDG&E issued an All

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<sup>3</sup> D.14-03-004, Track IV Decision, OP 6.

Source RFO seeking local capacity resources within the following product types: 1) energy efficiency, 2) demand response, 3) renewable resources, 4) combined heat and power, 5) distributed generation, 6) energy storage, and 7) conventional resources.

SDG&E designed the Track IV All Source RFO to be consistent with both the Track I and Track IV Decisions (D.13-02-015 and D.14-03-004) to ensure that the products and quantities sought were consistent with the elements identified in those decisions and would be compatible with the existing and planned resources in SDG&E's portfolio. Specifically, the Track IV Decision required SDG&E's RFO to include certain elements specified by the Track I Decision.<sup>4</sup> The Track I elements, further described in the Direct Testimony, were included in the instruction documents of the Track IV All Source RFO. For example, SDG&E specified certain criteria for bids, such as location of the resource would count toward SDG&E's local RA requirements. Additionally, to ensure transparency regarding the selection process, SDG&E

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<sup>4</sup> *Id.* (incorporating by reference the following elements specified by D.13-02-015, OP 4):

- a. The resource must meet the identified reliability constraint identified by the California Independent System Operator (ISO);
- b. The resource must be demonstrably incremental to the assumptions used in the California ISO studies, to ensure that a given resource is not double counted;
- c. The consideration of costs and benefits must be adjusted by their relative effectiveness factor at meeting the California ISO identified constraint;
- d. A requirement that resources offer the performance characteristics needed to be eligible to count as local Resource Adequacy capacity;
- e. No provisions specifically or implicitly excluding any resource from the bidding process due to resource type (except as authorized in this Order);
- f. No provision limiting bids to any specific contract length;
- g. Provisions designed to be consistent with the Loading Order approved by the Commission in the Energy Action Plan and to pursue all cost-effective preferred resources in meeting local capacity needs;
- h. Provisions designed to minimize costs to ratepayers by procuring the most cost-effective resources consistent with a least cost/best fit analysis;
- i. A reasonable method designed to procure local capacity requirement amounts at or within the levels authorized or required in this decision, not counting amounts procured through cost-of-service contracts;
- j. An assessment of projected greenhouse gas emissions as part of the cost/benefit analysis;
- k. A method to consider flexibility of resources without a requirement that only flexibility of resources be considered; and
- l. Use of the most up-to-date effectiveness ratings.)

described in the RFO overview / instruction document for each product type the evaluation approach prescribed by the relevant Commission decisions. The Testimony describes in further detail how the RFO meets the Track I Decision and Track IV Decision elements, including specifics regarding the solicitation process, evaluation methodology, quantitative and qualitative results, and PRG and IE involvement.

This Application seeks approval of two contracts selected to fulfill the ES<sup>5</sup> and EE product types mandated by the Track IV decision.

### III. SUMMARY OF CONTRACTS

SDG&E requests Commission approval of one ES contract and one EE contracts selected through the Track IV All Source RFO. A summary of the selected offers is provided in the table below:

<b>Product Category</b>	<b>Counterparty</b>	<b>Start Date</b>	<b>End Date</b>	<b>Term (yrs.)</b>	<b>MW (Avg. Contract Capacity)</b>
Energy Efficiency	Willdan Energy Solutions (“Willdan”)	No later than 365 days after CPUC approval, but no earlier than 1/1/18	6 years after Start Date	6	18.5 <sup>6</sup>
Energy Storage	Hecate Energy Bancroft LLC (“Hecate”)	No later than 1/1/19, as may be extended by the terms of the agreement	20 years after the commercial operation date	20	20

<sup>5</sup> The ES contracts sought through the RFO comprise the first out of two storage procurement efforts. The second storage procurement effort will be an ES Request For Proposal (“RFP”) for 4 MW of ES to be installed at the distribution level and for capital deferral purposes. This second ES procurement effort will be conducted pursuant to the concurrent ES proceeding. Additional information regarding this 4 MW distribution level ES RFP is available in the report SDG&E served on the ES OIR service list on December 1, 2015, titled “SDG&E’s 2014 Energy Storage Distribution Reliability / Power Quality Request for Proposal Seeking a 4 MW Energy Storage System – Post Solicitation Report.”

<sup>6</sup> Willdan is expected to achieve 18.5 MW of annual peak capacity savings at the end of the term, with a ramp-up for the delivery of capacity savings each year before then.

As explained in the Direct Testimony of Emily Shults, this level of procurement is consistent with SDG&E's measured approach to filling the procurement need authorized in the Track IV Decision. It is also intended to produce customer savings by taking advantage of lessons learned in the Track IV All Source RFO and the possibility of lower pricing for similar contracts in the next all source RFO. In addition, these contracts are characterized by the following favorable terms:

- **EE Contract (Willdan)**

- Monthly Payments – Seller's compensation is spread out as monthly installments, thus spreading delivery risk over the term of the contract.
- Pay-for-Performance – SDG&E will pay the Seller based on the ex-ante achievement of annual peak capacity savings.
- Guaranteed Savings – Seller guarantees the delivery of at least 75% of the expected annual peak capacity savings each year of the term.
- Performance Assurance – Seller is required to post a letter of credit or cash collateral which is held by SDG&E as security for the Seller's contractual obligations under the contract.
- Measurement and Verification – Verification of implemented EE measures and savings will be performed annually on an ex-post basis, resulting in a true-up if annual peak capacity savings goals were not maintained during the course of a year.

- **ES Contract (Hecate)**

- Safety – It is not expected that the Hecate facilities will result in any adverse safety impacts on the facilities or operations of SDG&E.



Moreover, the Hecate contract will not alter existing agreements or any facility operations. Therefore, there are no incremental safety implications associated with approval of this agreement beyond the status quo.

- Long term tolling agreement – 20 year term during which SDG&E will have the rights to all output from the Hecate facility, including capacity, energy, ancillary services, resource adequacy,, and multiple ramps per day, if so dispatched.
- Performance standards – the Hecate agreement requires that the facility meet specific performance standards such as a minimum round-trip efficiency of 80%, and if the facility falls below that level, the monthly capacity payments are decreased. Additionally, the monthly capacity payment associated with the proposed facility is weighted so as to pay the majority of the revenues during the summer months, when the facility is most needed and its corresponding availability has the highest value. Finally, the agreement includes provisions that if the facility fails to meet the capacity availability requirements, the capacity payment is reduced.
- Option – The Hecate agreement includes an option provision of limited duration allowing SDG&E to terminate the agreement if it fails to continue to be attractive for SDG&E customers. If it does continue to be attractive, then SDG&E will not terminate the agreement and the online deadline of January 1, 2019 will continue to be viable. SDG&E proposes to file a Tier 1 Advice Letter to notify the Commission if the option is exercised by SDG&E within the option window.

#### IV. RATEMAKING

The Track IV Decision directed SDG&E to recommend a method of cost allocation appropriate for the resources being procured and consistent with the cost allocation mechanism approved and detailed in other Commission decisions and as authorized in the Track IV Decision.<sup>7</sup> Consistent with the Track IV Decision and the Commission-approved CAM,<sup>8</sup> SDG&E seeks to allocate the costs incurred as a result of the EE and ES contracts that are the subject of this Application to all benefitting customers. Indeed, the Commission determined in the Track IV Decision that the procurement authorized by that decision was “for the purpose of ensuring local reliability in the SONGS service area, for the benefit of all utility distribution customers in that area” and concluded that “such procurement meets the criteria of [P.U. Code] Section 365.1(c)(2)(A)-(B).”<sup>9</sup> As such, CAM applies to the costs of the subject ES contract.<sup>10</sup> For the EE contract, SDG&E will allocate costs via the Public Purpose Program (“PPP”) rate component.

In addition, SDG&E intends to recover the costs of the ES contract through the Local Generation Charge (“LGC”) rate component, which is designed to recover new generation costs

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<sup>7</sup> D.14-03-004, Track IV decision, OP 13.

<sup>8</sup> The statutory basis for the Commission’s CAM is set forth in California Public Utilities Code (“P.U. Code”) Section 365.1. *See, e.g.*, Section 365.1 (c)(2)(A), which requires the Commission to “[e]nsure that, in the event that the commission authorizes, in the situation of a contract with a third party, or orders, in the situation of utility owned generation, an electrical corporation to obtain generation resources that the commission determines are needed to meet system or local area reliability needs for the benefit of all customers in the electrical corporation’s distribution service territory, the net capacity costs of those generation resources are allocated on a fully nonbypassable basis consistent with departing load provisions as determined by the commission, to all of the following:

- (i) Bundled service customers of the electrical corporation.
- (ii) Customers that purchase electricity through a direct transaction with other providers.
- (iii) Customers of community choice aggregators.”

<sup>9</sup> D.14-03-004 at 120.

<sup>10</sup> *Id.* (“...SDG&E shall allocate costs [pursuant to CAM] incurred as a result of procurement authorized in this decision, and approved by the Commission. In most cases we expect this allocation to be consistent with D.13-02-015 and the CAM adopted in...D.11-05-005...”)

for local reliability that are deemed to be subject to the CAM policy adopted in D.06-07-029 and D.11-05-005, as a per kilowatt hour non-bypassable charge from all benefiting customers.

Benefiting customers include all bundled service, Direct Access (“DA”) and Community Choice Aggregation (“CCA”) customers. The LGC is necessary to appropriately account for the costs of the selected contract through the Track IV All Source RFO for the San Diego subarea and to ensure that customers only pay the assessed net cost of the resources procured through the RFO.

For the EE contract, the Commission authorized SDG&E to establish a rate component, within the PPP rate, to recover costs related to Electric Procurement Energy Efficiency.<sup>11</sup> These costs are recovered as a per kilowatt hour non-bypassable charge from all customers. The forecast of costs of the energy efficiency resources will be trued-up to their assessed recorded costs through the Electric Procurement Energy Efficiency Balancing Account (“EPEEBA”) and addressed in future PPP advice letters.

## **V. SUMMARY OF TESTIMONY**

As noted above, this Application is supported by Direct Testimony served in conjunction with the filing of this Application. The following is a summary of SDG&E’s Direct Testimony.

- Direct Testimony of Emily C. Shults: Ms. Shults describes the authority granted by the Commission to procure the contracts that are the subject of this Application, including the remaining Track IV authorization amounts not covered by this Application. Ms. Shults also explains why SDG&E procured less than the total authorization at this time, how its approach optimizes procurement by counting resources toward both the Track IV and ES authorizations, and its current plan for filling the remaining authorization.

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<sup>11</sup> PPP also recovers California Alternate Rates for Energy (“CARE”), Energy Savings Assistance (“ESA”) (formerly referred to as Low-Income Energy Efficiency (“LIEE”)) and the Electric Program Investment Charge (“EPIC”) (previously consisted of Research, Development and Demonstration (“RD&D”), and Renewables programs) programs.

- Direct Testimony of Patrick Charles: Mr. Charles describes the Track IV All Source RFO process, including an overview of the relevant Commission authorizations and specific RFO requirements. Mr. Charles also describes the solicitation process, including details related to the RFO structure and schedule, PRG involvement, IE involvement and safety considerations. Finally, Mr. Charles describes the terms and conditions of the proposed ES contract (Hecate) and how the contract meets the necessary RFO Conformance Requirements, and reasons for selection.
- Direct Testimony of George M. Katsufraakis: Mr. Katsufraakis describes the proposed EE contract (Willdan) and how the contracts meets the necessary RFO Conformance Requirements, reasons for selection, and safety considerations.
- Direct Testimony of Scot Rolfe: Mr. Rolfe describes how SDG&E utilized a number of evaluation criteria to ensure that all of the resource types evaluated in the Track IV All-Source RFO were evaluated on a level playing field with consistent evaluation protocols, including the least-cost, best fit methodology and other quantitative and qualitative methodologies.
- Direct Testimony of Cyndee Fang: Ms. Fang details the proposed mechanism to recover the costs of ES and EE contracts from ratepayers and summarizes the rate and bill impacts associated with such recovery.

## **VI. RELIEF REQUESTED**

SDG&E respectfully requests that, in accordance with the proposed schedule outlined below, the Commission issue a decision:

1. Approving the Application in its entirety;

2. Approving the All Source RFO and SDG&E's conduct with respect to the RFO as reasonable;
3. Approving the ES contract (Hecate) in its entirety, including the option term and SDG&E's proposal to file a Tier 1 Advice Letter to notify the Commission if the option is exercised by SDG&E within the option window;
4. Approving the EE contract (Willdan) in its entirety;
5. Finding the prices and terms of the two contracts sought to be approved here as just and reasonable, including the cost of approximately \$92 million for the two contracts over their respective contract terms (this does not include franchise fees and uncollectibles and excludes the cost of energy for the ES batteries);
6. Granting full cost recovery in rates, as requested by SDG&E. Specifically, SDG&E shall record the net capacity costs associated with the ES contract (Hecate) in its LGBA and, upon commencement of the contract, recover those costs through its LGC on a non-bypassable basis from its bundled service, DA and CCA customers on an equal per kilowatt-hour basis by customer class, consistent with the Commission-approved CAM. For the EE contract (Willdan), SDG&E will recover the costs through the PPP component. The forecast of costs of the EE contract (Willdan) will be trued-up to their assessed recorded costs through the EPEEBA; and
7. Granting such other relief as is necessary and proper.

## **VII. STATUTORY AND PROCEDURAL REQUIREMENTS**

### **A. Rule 2.1 (a) – (c)**

In accordance with Rule 2.1 (a) – (c) of the Commission’s Rules of Practice and Procedure, SDG&E provides the following information.

#### **1. Rule 2.1 (a) - Legal Name**

SDG&E is a corporation organized and existing under the laws of the State of California. SDG&E is engaged in the business of providing electric service in a portion of Orange County and electric and gas service in San Diego County. SDG&E’s principal place of business is 8330 Century Park Court, San Diego, California 92123. SDG&E’s attorney in this matter is John A. Pacheco.

#### **2. Rule 2.1 (b) - Correspondence**

Correspondence or communications regarding this Application should be addressed to:

Kellen Gill  
Regulatory Case Manager  
San Diego Gas & Electric Company  
8330 Century Park Court, CP 32  
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Telephone: (619) 696-2972  
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with copies to:

John A. Pacheco  
Attorney for:  
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8330 Century Park Court, CP32  
San Diego, CA 92123  
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**3. Rule 2.1 (c)**

**a. Proposed Category of Proceeding**

In accordance with Rule 7.1, SDG&E requests that this Application be categorized as ratesetting because SDG&E proposes to recover the costs incurred under the contracts from its ratepayers, and the costs will thus influence SDG&E's rates.

**b. Need for Hearings**

SDG&E does not believe that approval of this Application will require hearings. SDG&E has provided ample supporting testimony, analysis and documentation that provide the Commission with a sufficient record upon which to grant the relief requested without the need for hearings.

**c. Issues to be Considered**

The issues to be considered are described in this Application and the accompanying testimony and exhibits. Regarding safety considerations, based on current information, the ES and EE contracts that are the subject of this Application do not appear to result in any adverse safety impacts on the facilities or operations of SDG&E. These contracts will not alter existing agreements or any facility operations. Therefore, there are no incremental safety implications associated with approval of these contracts beyond the status quo.

**d. Proposed Schedule**

SDG&E proposes the following schedule:

<b><u>ACTION</u></b>	<b><u>DATE</u></b>
Application filed	March 30, 2016
End of Response Period (including Applicant Reply)	Approximately May 11, 2016
Prehearing Conference	May 25, 2016

Intervenor Testimony	June 22, 2016
Rebuttal Testimony	July 20, 2016
Hearings (if necessary)	August 31, 2016
Post-Hearing Briefing	September 2015
Proposed Decision	November 2016
Comments on Proposed Decision	December 2016
Commission Decision Adopted	January 2017

**B. Rule 2.2 – Articles of Incorporation**

A copy of SDG&E’s Restated Articles of Incorporation as last amended, presently in effect and certified by the California Secretary of State, was filed with the Commission on September 10, 2014 in connection with SDG&E’s Application No. 14-09-008, and is incorporated herein by reference.

**C. Rule 3.2 (a) – (d) – Authority to Increase Rates<sup>12</sup>**

In accordance with Rule 3.2 (a) – (d) of the Commission’s Rules of Practice and Procedure, SDG&E provides the following information.

**1. Rule 3.2 (a) (1) – balance sheet**

SDG&E’s financial statement, balance sheet and income statement for the nine-month period ending September 30, 2015 are included with this Application as Attachment A.

**2. Rule 3.2 (a) (2) – statement of effective rates**

A statement of all of SDG&E’s presently effective electric rates can be viewed electronically by accessing <http://www.sdge.com/rates-regulations/current-and-effective->

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<sup>12</sup> Note Rule 3.2(a) (9) is not applicable to this application.



[tariffs/current-and-effective-tariffs](#). Attachment B to this Application provides the table of contents from SDG&E's electric tariffs on file with the Commission.

**3. Rule 3.2 (a) (3) – statement of proposed increases**

A statement of proposed rate increases is attached as Attachment C.

**4. Rule 3.2 (a) (4) – description of property and equipment**

SDG&E is in the business of generating, transmitting and distributing electric energy to San Diego County and part of Orange County. SDG&E also purchases, transmits and distributes natural gas to customers in San Diego County. SDG&E has electric transmission, distribution and service lines in San Diego, Orange and Imperial Counties. This includes a composite 92% ownership in the 500,000 volt Southwest Powerlink including substations and transmission lines, which run through San Diego and Imperial Counties to the Palo Verde substation in Arizona. This also includes full ownership of the 500,000 volt Sunrise Powerlink including substations and transmission lines, which run through San Diego and Imperial Counties to the Imperial Valley substation. Gas facilities consist of the Moreno gas compressor station in Riverside County and the Rainbow compressor station located in San Diego County. The gas is transmitted through high and low-pressure distribution mains and service lines.

Applicant's original cost of utility plant, together with the related reserves for depreciation and amortization for the nine-month period ending September 30, 2015, is shown on the statement of Original Cost and Depreciation Reserve attached as Attachment D.

**5. Rule 3.2 (a) (5) and (6) – summary of earnings**

A summary of SDG&E's earnings (for the total utility operations for the company) for the nine-month period ending September 30, 2015, is included as Attachment E to this Application.

**6. Rule 3.2 (a) (7) – statement re tax depreciation**

For financial statement purposes, depreciation of utility plant has been computed on a straight-line remaining life basis, at rates based on the estimated useful lives of plan properties. For federal income tax accrual purposes, SDG&E generally computes depreciation using the straight-line method for tax property additions prior to 1954, and liberalized depreciation, which includes Class Life and Asset Depreciation Range Systems, on tax property additions after 1954 and prior to 1981. For financial reporting and rate-fixing purposes, “flow through accounting” has been adopted for such properties. For tax property additions in years 1981 through 1986, SDG&E has computed its tax depreciation using the Accelerated Cost Recovery System. For years after 1986, SDG&E has computed its tax depreciation using the Modified Accelerated Cost Recovery Systems and, since 1982, has normalized the effects of the depreciation differences in accordance with the Economic Recovery Tax Act of 1981 and the Tax Reform Act of 1986.

**7. Rule 3.2 (a) (8) – proxy statement**

A copy of the most recent proxy statement sent to all shareholders of SDG&E’s parent company, Sempra Energy, dated March 26, 2015, was mailed to the Commission on April 28, 2015, and is incorporated herein by reference.

**8. Rule 3.2 (a) (10) – statement re pass through to customers**

The rate changes that SDG&E seeks in this Application reflect estimated costs to SDG&E, and SDG&E proposes to pass through to customers only costs that SDG&E incurs for the services and commodities it furnishes.

**9. Rule 3.2 (b) – notice to state, cities and counties**

In compliance with Rule 3.2 (b) of the Commission’s Rules of Practice and Procedure, SDG&E will, within twenty days after the filing this Application, mail a notice to the State of

California and to the cities and counties in its service territory and to all those persons listed in Attachment F to this Application.

**10. Rule 3.2 (c) – newspaper publication**

In compliance with Rule 3.2 (c) of the Commission’s Rules of Practice and Procedure, SDG&E, within twenty days after the filing of this Application, will post in its offices and publish in newspapers of general circulation in each county in its service territory notice of this Application.

**11. Rule 3.2 (d) – bill insert notice**

In compliance with Rule 3.2 (d) of the Commission’s Rules of Practice and Procedure, SDG&E, within 45 days of the filing of this Application, will provide notice of this Application to all of its customers along with the regular bills sent to those customers that will generally describe the proposed revenue requirement changes addressed in this Application.

**VIII. CONFIDENTIAL INFORMATION**

SDG&E is submitting the Direct Testimony supporting this Application in both public (redacted) and non-public (unredacted and confidential) form, consistent with SDG&E’s declarations of confidential treatment attached to the each set of testimony and submitted in conformance with D.06-06-066 and D.08-04-023. In short, confidential treatment and redaction of such information is necessary in this proceeding to protect from inappropriate disclosure of confidential, commercially sensitive information that SDG&E witnesses must identify to support this Application.

**IX. SERVICE**

This is a new application. No service list has been established. Accordingly, SDG&E will serve this Application, testimony (including attachments) on parties to the service list for

R.12-03-014 (OIR to Integrate and Refine Procurement Policies and Consider Long-Term Procurement Plans). Hard copies will be sent by overnight mail to the Assigned ALJ in R.12-03-014 and the Chief ALJ.

**X. CONCLUSION**

For all the foregoing reasons SDG&E requests that the Commission grant SDG&E's Application as described herein.

DATED this 30th day of March, 2016, at San Diego, California.

Respectfully submitted,

/s/ JOHN A. PACHECO  
John A. Pacheco  
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/s/ EMILY C. SHULTS  
Emily C. Shults  
Vice President – Electric & Fuel Procurement  
San Diego Gas & Electric Company

## OFFICER VERIFICATION

Emily C. Shults declares the following:

I am an officer of San Diego Gas & Electric Company and am authorized to make this verification on its behalf. I am informed and believe that the matters stated in the foregoing **APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 E) FOR APPROVAL OF ENERGY STORAGE AND ENERGY EFFICIENCY CONTRACTS ARISING FROM THE TRACK IV LOCAL CAPACITY REQUIREMENT ALL SOURCE REQUEST FOR OFFERS** are true to my own knowledge, except as to matters which are therein stated on information and belief, and as to those matters I believe them to be true.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed this 30<sup>th</sup> day of March, 2016, at San Diego, California.

/s/ EMILY C. SHULTS  
Emily C. Shults  
Vice President – Electric & Fuel Procurement  
San Diego Gas & Electric Company

# **Attachment A**

## **San Diego Gas & Electric Company**

### **Financial Statement, Balance Sheet, and**

### **Income Sheet**

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**FINANCIAL STATEMENT**  
**Sep 30, 2015**

<b>(a) Amounts and Kinds of Stock Authorized:</b>					
Common Stock		255,000,000	shares		Without Par Value
<b>Amounts and Kinds of Stock Outstanding:</b>					
Common Stock		116,583,358	shares		291,458,395

**(b) Brief Description of Mortgage:**

Full information as to this item is given in Application Nos. 08-07-029,10-10-023 and 12-03-005 to which references are hereby made.

**(c) Number and Amount of Bonds Authorized and Issued:**

	Nominal Date of Issue		Par Value Authorized and Issued	Outstanding		Interest Paid in 2014
<b>First Mortgage Bonds:</b>						
6.80% Series KK, due 2013	12-01-91		14,400,000	0		0
Var% Series OO, due 2027	12-01-92		250,000,000	150,000,000		7,612,500
5.85% Series RR, due 2021	06-29-93		60,000,000	0		0
5.875% Series VV, due 2034	06-17-04		43,615,000	43,615,000		2,562,373
5.875% Series WW, due 2034	06-17-04		40,000,000	40,000,000		2,350,000
5.875% Series XX, due 2034	06-17-04		35,000,000	35,000,000		2,056,250
5.875% Series YY, due 2034	06-17-04		24,000,000	24,000,000		1,410,000
5.875% Series ZZ, due 2034	06-17-04		33,650,000	33,650,000		1,976,938
4.00% Series AAA, due 2039	06-17-04		75,000,000	75,000,000		3,000,000
5.35% Series BBB, due 2035	05-19-05		250,000,000	250,000,000		13,375,000
5.30% Series CCC, due 2015	11-15-05		250,000,000	250,000,000		13,250,000
6.00% Series DDD, due 2026	06-08-06		250,000,000	250,000,000		15,000,000
1.65% Series EEE, due 2018	09-21-06		161,240,000	161,240,000		2,660,460
6.125% Series FFF, due 2037	09-20-07		250,000,000	250,000,000		15,312,500
6.00% Series GGG, due 2039	05-14-09		300,000,000	300,000,000		18,000,000
5.35% Series HHH, due 2040	05-13-10		250,000,000	250,000,000		13,375,000
4.50% Series III, due 2040	08-26-10		500,000,000	500,000,000		22,500,000
3.00% Series JJJ, due 2021	08-18-11		350,000,000	350,000,000		10,500,000
3.95% Series LLL, due 2041	11-17-11		250,000,000	250,000,000		9,875,000
4.30% Series MMM, due 2042	03-22-12		250,000,000	250,000,000		10,750,000
3.60% Series NNN, due 2023	09-09-13		450,000,000	450,000,000		16,200,000
.4677% Series OOO, due 2017	03-12-15		140,000,000	140,000,000		-
1.9140% Series PPP, due 2022	03-12-15		39,112,892	48,490,631		-
<b>Total 1st. Mortgage Bonds:</b>						<b>181,766,020</b>
<b>Unsecured Bonds:</b>						
5.30% CV96A, due 2021	08-02-96		38,900,000	38,900,000		2,061,700
5.50% CV96B, due 2021	11-21-96		60,000,000	60,000,000		3,300,000
4.90% CV97A, due 2023	10-31-97		25,000,000	25,000,000		1,225,000
<b>Total Unsecured Bonds</b>						<b>6,586,700</b>
<b>Total Bonds:</b>						<b>188,352,720</b>

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**FINANCIAL STATEMENT**  
 Sep 30, 2015

Other Indebtedness:	Date of Issue	Date of Maturity	Interest Rate	Outstanding	Interest Paid 2015
Commercial Paper & ST Bank Loans	Various	Various	Various	44,200,000	\$157,004

**Amounts and Rates of Dividends Declared:**

The amounts and rates of dividends during the past five fiscal years are as follows:

Preferred Stock	Shares Outstanding 12-31-14					
		2011	2012	2013	2014	2015
5.0%	-	\$375,000	\$375,000	\$281,250	-	-
4.50%	-	270,000	270,000	202,500	-	-
4.40%	-	286,000	286,000	214,500	-	-
4.60%	-	343,868	343,868	257,901	-	-
\$ 1.70	-	2,380,000	2,380,000	1,785,000	-	-
\$ 1.82	-	1,164,800	1,164,800	873,600	-	-
<b>Total</b>	-	<b>\$4,819,668</b>	<b>\$4,819,668</b>	<b>\$3,614,751</b>	-	-

Common Stock	2011	2012	2013	2014	2015
Dividend to Parent [1]	-	-	-	\$200,000,000	150,000,000

**NOTE 11 PREFERRED STOCK 10K:**

On October 15, 2013, SDG&E redeemed all six series of its outstanding shares of contingently redeemable preferred stock for \$82 million, including a \$3 million early call premium (pg 9.1).

A balance sheet and a statement of income and retained earnings of applicant for the nine months ended Sep 30, 2015 are attached hereto.

[1] San Diego Gas & Electric Company dividend to parent.



**SAN DIEGO GAS & ELECTRIC COMPANY  
BALANCE SHEET  
ASSETS AND OTHER DEBITS  
SEPTEMBER 30, 2015**

	<b>2015</b>
<b>1. UTILITY PLANT</b>	
101 UTILITY PLANT IN SERVICE	\$14,367,101,567
102 UTILITY PLANT PURCHASED OR SOLD	-
104 UTILITY PLANT LEASED TO OTHERS	85,194,000
105 PLANT HELD FOR FUTURE USE	11,307,728
106 COMPLETED CONSTRUCTION NOT CLASSIFIED	-
107 CONSTRUCTION WORK IN PROGRESS	711,880,011
108 ACCUMULATED PROVISION FOR DEPRECIATION OF UTILITY PLANT	(4,492,473,352)
111 ACCUMULATED PROVISION FOR AMORTIZATION OF UTILITY PLANT	(510,032,224)
114 ELEC PLANT ACQUISITION ADJ	3,750,722
115 ACCUM PROVISION FOR AMORT OF ELECTRIC PLANT ACQUIS ADJ	(937,680)
118 OTHER UTILITY PLANT	1,002,944,475
119 ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF OTHER UTILITY PLANT	(249,922,068)
120 NUCLEAR FUEL - NET	-
TOTAL NET UTILITY PLANT	10,928,813,179
<b>2. OTHER PROPERTY AND INVESTMENTS</b>	
121 NONUTILITY PROPERTY	5,946,616
122 ACCUMULATED PROVISION FOR DEPRECIATION AND 0	(364,300)
123 INVESTMENTS IN SUBSIDIARY COMPANIES	-
124 OTHER INVESTMENTS	-
125 SINKING FUNDS	-
128 OTHER SPECIAL FUNDS	1,060,280,100
TOTAL OTHER PROPERTY AND INVESTMENTS	1,065,862,416

Data from SPL as of September 30, 2015

**SAN DIEGO GAS & ELECTRIC COMPANY  
BALANCE SHEET  
ASSETS AND OTHER DEBITS  
SEPTEMBER 30, 2015**

<b>3. CURRENT AND ACCRUED ASSETS</b>		2015
131	CASH	3,030,462
132	INTEREST SPECIAL DEPOSITS	-
134	OTHER SPECIAL DEPOSITS	-
135	WORKING FUNDS	500
136	TEMPORARY CASH INVESTMENTS	-
141	NOTES RECEIVABLE	-
142	CUSTOMER ACCOUNTS RECEIVABLE	346,797,616
143	OTHER ACCOUNTS RECEIVABLE	26,817,735
144	ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS	(3,707,704)
145	NOTES RECEIVABLE FROM ASSOCIATED COMPANIES	1,040
146	ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES	1,408,885
151	FUEL STOCK	3,260,510
152	FUEL STOCK EXPENSE UNDISTRIBUTED	-
154	PLANT MATERIALS AND OPERATING SUPPLIES	102,483,040
156	OTHER MATERIALS AND SUPPLIES	-
158	ALLOWANCES	211,964,533
163	STORES EXPENSE UNDISTRIBUTED	-
164	GAS STORED	363,740
165	PREPAYMENTS	213,745,858
171	INTEREST AND DIVIDENDS RECEIVABLE	30,284,804
173	ACCRUED UTILITY REVENUES	68,396,000
174	MISCELLANEOUS CURRENT AND ACCRUED ASSETS	2,294,000
175	DERIVATIVE INSTRUMENT ASSETS	110,421,434
		1,117,562,453
<b>4. DEFERRED DEBITS</b>		
181	UNAMORTIZED DEBT EXPENSE	32,258,871
182	UNRECOVERED PLANT AND OTHER REGULATORY ASSETS	3,459,221,656
183	PRELIMINARY SURVEY & INVESTIGATION CHARGES	4,935,394
184	CLEARING ACCOUNTS	87,898
185	TEMPORARY FACILITIES	-
186	MISCELLANEOUS DEFERRED DEBITS	38,117,572
188	RESEARCH AND DEVELOPMENT	-
189	UNAMORTIZED LOSS ON REACQUIRED DEBT	12,970,940
190	ACCUMULATED DEFERRED INCOME TAXES	622,871,848
		4,170,464,179
TOTAL DEFERRED DEBITS		4,170,464,179
TOTAL ASSETS AND OTHER DEBITS		17,282,702,227

Data from SPL as of September 30, 2015

**SAN DIEGO GAS & ELECTRIC COMPANY  
BALANCE SHEET  
LIABILITIES AND OTHER CREDITS  
SEPTEMBER 30, 2015**

**5. PROPRIETARY CAPITAL**

	2015
201 COMMON STOCK ISSUED	(\$291,458,395)
204 PREFERRED STOCK ISSUED	-
207 PREMIUM ON CAPITAL STOCK	(591,282,978)
210 GAIN ON RETIRED CAPITAL STOCK	-
211 MISCELLANEOUS PAID-IN CAPITAL	(479,665,368)
214 CAPITAL STOCK EXPENSE	24,605,640
216 UNAPPROPRIATED RETAINED EARNINGS	(3,901,431,394)
219 ACCUMULATED OTHER COMPREHENSIVE INCOME	11,616,701
TOTAL PROPRIETARY CAPITAL	(5,227,615,794)

**6. LONG-TERM DEBT**

221 BONDS	(4,239,648,000)
223 ADVANCES FROM ASSOCIATED COMPANIES	-
224 OTHER LONG-TERM DEBT	-
225 UNAMORTIZED PREMIUM ON LONG-TERM DEBT	-
226 UNAMORTIZED DISCOUNT ON LONG-TERM DEBT	9,859,819
TOTAL LONG-TERM DEBT	(4,229,788,181)

**7. OTHER NONCURRENT LIABILITIES**

227 OBLIGATIONS UNDER CAPITAL LEASES - NONCURRENT	(626,930,962)
228.2 ACCUMULATED PROVISION FOR INJURIES AND DAMAGES	(28,972,084)
228.3 ACCUMULATED PROVISION FOR PENSIONS AND BENEFITS	(231,530,674)
228.4 ACCUMULATED MISCELLANEOUS OPERATING PROVISIONS	-
230 ASSET RETIREMENT OBLIGATIONS	(846,331,644)
TOTAL OTHER NONCURRENT LIABILITIES	(1,733,765,364)

Data from SPL as of September 30, 2015

**SAN DIEGO GAS & ELECTRIC COMPANY  
BALANCE SHEET  
LIABILITIES AND OTHER CREDITS  
SEPTEMBER 30, 2015**

**8. CURRENT AND ACCRUED LIABILITES**

		2015
231	NOTES PAYABLE	(44,200,000)
232	ACCOUNTS PAYABLE	(443,436,444)
233	NOTES PAYABLE TO ASSOCIATED COMPANIES	-
234	ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES	(21,881,544)
235	CUSTOMER DEPOSITS	(70,845,796)
236	TAXES ACCRUED	(195,083,388)
237	INTEREST ACCRUED	(54,123,252)
238	DIVIDENDS DECLARED	-
241	TAX COLLECTIONS PAYABLE	(8,891,671)
242	MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES	(264,593,044)
243	OBLIGATIONS UNDER CAPITAL LEASES - CURRENT	(39,463,611)
244	DERIVATIVE INSTRUMENT LIABILITIES	(188,147,705)
245	DERIVATIVE INSTRUMENT LIABILITIES - HEDGES	-
	TOTAL CURRENT AND ACCRUED LIABILITIES	(1,330,666,455)

**9. DEFERRED CREDITS**

252	CUSTOMER ADVANCES FOR CONSTRUCTION	(38,572,657)
253	OTHER DEFERRED CREDITS	(348,878,514)
254	OTHER REGULATORY LIABILITIES	(1,361,255,774)
255	ACCUMULATED DEFERRED INVESTMENT TAX CREDITS	(19,477,103)
257	UNAMORTIZED GAIN ON REACQUIRED DEBT	-
281	ACCUMULATED DEFERRED INCOME TAXES - ACCELERATED	-
282	ACCUMULATED DEFERRED INCOME TAXES - PROPERTY	(1,848,041,128)
283	ACCUMULATED DEFERRED INCOME TAXES - OTHER	(1,144,641,257)
	TOTAL DEFERRED CREDITS	(4,760,866,433)

	TOTAL LIABILITIES AND OTHER CREDITS	(\$17,282,702,227)
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Data from SPL as of September 30, 2015

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**STATEMENT OF INCOME AND RETAINED EARNINGS**  
**NINE MONTHS ENDED SEPTEMBER 30, 2015**

**1. UTILITY OPERATING INCOME**

400	OPERATING REVENUES		\$3,613,174,322
401	OPERATING EXPENSES	\$2,237,186,073	
402	MAINTENANCE EXPENSES	100,481,589	
403-7	DEPRECIATION AND AMORTIZATION EXPENSES	426,951,749	
408.1	TAXES OTHER THAN INCOME TAXES	93,356,007	
409.1	INCOME TAXES	73,433,119	
410.1	PROVISION FOR DEFERRED INCOME TAXES	348,097,607	
411.1	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	(204,682,441)	
411.4	INVESTMENT TAX CREDIT ADJUSTMENTS	(2,138,062)	
411.6	GAIN FROM DISPOSITION OF UTILITY PLANT	-	
	TOTAL OPERATING REVENUE DEDUCTIONS		<u>3,072,685,641</u>
	NET OPERATING INCOME		540,488,681

**2. OTHER INCOME AND DEDUCTIONS**

415	REVENUE FROM MERCHANDISING, JOBBING AND CONTRACT WORK	-	
417	REVENUES OF NONUTILITY OPERATIONS	4,707	
417.1	EXPENSES OF NONUTILITY OPERATIONS	-	
418	NONOPERATING RENTAL INCOME	60,372	
418.1	EQUITY IN EARNINGS OF SUBSIDIARIES	-	
419	INTEREST AND DIVIDEND INCOME	33,332,508	
419.1	ALLOWANCE FOR OTHER FUNDS USED DURING CONSTRUCTION	26,911,290	
421	MISCELLANEOUS NONOPERATING INCOME	288,227	
421.1	GAIN ON DISPOSITION OF PROPERTY	-	
	TOTAL OTHER INCOME	<u>60,597,104</u>	
421.2	LOSS ON DISPOSITION OF PROPERTY	-	
425	MISCELLANEOUS AMORTIZATION	187,536	
426	MISCELLANEOUS OTHER INCOME DEDUCTIONS	3,744,872	
	TOTAL OTHER INCOME DEDUCTIONS	<u>3,932,408</u>	
408.2	TAXES OTHER THAN INCOME TAXES	468,992	
409.2	INCOME TAXES	1,577,334	
410.2	PROVISION FOR DEFERRED INCOME TAXES	43,664,994	
411.2	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	(21,961,887)	
	TOTAL TAXES ON OTHER INCOME AND DEDUCTIONS	<u>23,749,433</u>	
	TOTAL OTHER INCOME AND DEDUCTIONS		<u>32,915,263</u>
	INCOME BEFORE INTEREST CHARGES		573,403,944
	EXTRAORDINARY ITEMS AFTER TAXES		12,557,074
	NET INTEREST CHARGES*		<u>142,704,795</u>
	NET INCOME		<u><u>\$443,256,223</u></u>

*\*NET OF ALLOWANCE FOR BORROWED FUNDS USED DURING CONSTRUCTION, (\$10,183,597)*

**SAN DIEGO GAS & ELECTRIC COMPANY  
STATEMENT OF INCOME AND RETAINED EARNINGS  
NINE MONTHS ENDED SEPTEMBER 30, 2015**

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**3. RETAINED EARNINGS**

RETAINED EARNINGS AT BEGINNING OF PERIOD, AS PREVIOUSLY REPORTED	\$3,608,175,171
NET INCOME (FROM PRECEDING PAGE)	443,256,223
DIVIDEND TO PARENT COMPANY	(150,000,000)
DIVIDENDS DECLARED - PREFERRED STOCK	0
OTHER RETAINED EARNINGS ADJUSTMENTS	0
RETAINED EARNINGS AT END OF PERIOD	<u>\$3,901,431,394</u>

# **Attachment B**

**San Diego Gas & Electric Company**

**Statement of Effective Rates**



**TABLE OF CONTENTS**

Sheet 1

The following sheets contain all the effective rates and rules affecting rates, service and information relating thereto, in effect on the date indicated herein.

	<u>Cal. P.U.C. Sheet No</u>
TITLE PAGE.....	16015-E
TABLE OF CONTENTS.....	27122, 26885, 26935, 27040, 27041, 27042, 27109-E 25296, 26325, 26326, 25226, 27123, 26298-E
<b>PRELIMINARY STATEMENT:</b>	
I. General Information.....	8274, 26126, 22140-E
<b>II. <u>Balancing Accounts</u></b>	
Description/Listing of Accounts	19402, 26147-E
California Alternate Rates for Energy (CARE) Balancing Account.....	26553, 26554-E
Rewards and Penalties Balancing Account (RPBA).....	21643, 22802-E
Transition Cost Balancing Account (TCBA).....	22803, 19411, 22804, 22805, 19414-E
Post-1997 Electric Energy Efficiency Balancing Account (PEEEBA).....	19415, 19416-E
Research, Development and Demonstration (RD&D) Balancing Account.....	19417, 19418-E
Renewables Balancing Account (RBA).....	19419, 19420-E
Tree Trimming Balancing Account (TTBA).....	19421, 19422-E
Baseline Balancing Account (BBA).....	21377, 19424-E
EI Paso Turned-Back Capacity Balancing Account (EPTCBA).....	19425-E
Energy Resource Recovery Account (ERRA).....	26358, 26359, 26360, 26361, 25570, 25571-E
Low-Income Energy Efficiency Balancing Account (LIEEBA).....	19431, 19432-E
Non-Fuel Generation Balancing Account (NGBA).....	25572-75-E
Electric Procurement Energy Efficiency Balancing Account (EPEEBA).....	19438-E
Common Area Balancing Account (CABA).....	19439-E
Nuclear Decommissioning Adjustment Mechanism (NDAM).....	22811-E
Pension Balancing Account (PBA).....	19441, 19442-E
Post-Retirement Benefits Other Than Pensions Balancing Account (PBOPBA).....	19443, 19444-E
Community Choice Aggregation Implementation Balancing Account (CCAIBA).....	19445-E

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(Continued)

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Advice Ltr. No. 2855-E

Decision No. \_\_\_\_\_

Issued by  
**Dan Skopec**  
Vice President  
Regulatory Affairs

Date Filed Feb 18, 2016

Effective Feb 18, 2016

Resolution No. \_\_\_\_\_





**TABLE OF CONTENTS**

**II. Balancing Accounts (Continued)**

Electric Distribution Fixed Cost Account (EDFCA).....	22812, 22813, 2116-E
Rate Design Settlement Component Account (RDSCA).....	26555-E
California Solar Initiative Balancing Account (CSIBA).....	26634, 26635, 26636-E
SONGS O&M Balancing Account (SONGSBA).....	25576, 25577-E
Advanced Metering Infrastructure Balancing Account (AIMBA)	22393, 22394, 22395-E
Research, Development & Demonstration Expense Acct (RDDEA)	23583-E
On-Bill Financing Balancing Account (OBFBA)	22061-E
Solar Energy Project Balancing Account (SEPBA).....	22078-E
Electric Program Investment Charge Balancing Acct (EPICBA)...	22991, 22992-E
Tax Equity Investment Balancing Account (TEIBA)	22797-E
California Energy Systems 21 <sup>st</sup> Century Balancing Acct (CES-21BA)	23337-E
Dynamic Pricing Balancing Account (DPBA).....	23410-E
Greenhouse Gas Revenue Balancing Account (GHGRBA).	23426-E
Local Generation Balancing Account (LGBA).....	23615-E
Cost of Financing Balancing Account (CFBA).....	26180-E
Street Lighting Conversion Balancing Account (SLCBA).....	26396-E
Smart Meter Opt-Out Balancing Account (SMOBA).....	26898, 26899-E

T

**III. Memorandum Accounts**

Description/Listing of Accounts	19451, 26406-E
Catastrophic Event Memorandum Account (CEMA).....	19453, 19454, 22814-E
Generation Divestiture Transaction Costs Memo Acct (GDTCSMA)...	19458-E
Streamlining Residual Account (SRA).....	20137, 20138-E
Nuclear Claims Memorandum Account (NCMA).....	19465-E
Real-Time Energy Metering Memorandum Account (RTEMMA).....	19472-E
Net Energy Metering Memorandum Account (NEMMA).....	19473-E
Interval Metering Program Memorandum Account (IMPMA)....	19474-E
Self-Generation Program Memorandum Acct (SGPMA).....	19530, 19531-E
Bond Payment Memorandum Account (BPMA).....	19481-E
Direct Access Cost Responsibility Surcharge Memo Acct (DACRSMA)	19576, 19577, 19578-E
Advanced Metering & Demand Response Memo Acct (AMDRMA)	22815, 20873, 20874, 22816, 22817-E
Procurement Transaction Auditing Memo Account (PTAMA).....	19492-E
Reliability Costs Memorandum Account (RCMA).....	19493-E
Litigation Cost Memorandum Account (LCMA).....	20893-E
Community Choice Aggregation Surcharge Memo Account (CCASMA)	19988-E
Independent Evaluator Memorandum Account (IEMA)	22548-E
Community Choice Aggregation Procurement Memo Acct (CCAPMA)	19703-E
CSI Performance-Based Incentive Memorandum Account (CSIPMA)	19681-E
Renewables Portfolio Standard Cost Memorandum Account (RPSCMA)	24939-E
Market Redesign Technology Upgrade Memo Account (MRTUMA)...	22549-E
Gain/Loss On Sale Memorandum Account (GLOSMA).....	20157-E
Non-Residential Sub-metering Memo Account (NRSMA)...	20474-E
Long Term Procurement Plan Technical Assistance Memo Acct (LTAMA)	20640-E

(Continued)



**TABLE OF CONTENTS**

**II. Memorandum Accounts (Continued)**

Energy Efficiency 2009-2011 Memorandum Acct (EEMA)	20910-E
Fire Hazard Prevention Memorandum Account (FHPMA)...	23771, 23772-E
Wildfire Expense Memorandum Account (WEMA).....	21959-E
Dynamic Pricing Memorandum Account (DPMA).....	22248-E
Smart Grid Memorandum Account (SGMA).....	21476-E
Disconnect Memorandum Account (DMA).....	22210-E
El Dorado Transition Cost Memorandum Account (EDTCMA)	22408-E
Environmental Fee Memorandum Account (EFMA)...	22098-E
General Rate Case Memorandum Account (GRCMA)	22511-E
Energy Savings Assistance Programs Memo Acct (ESAPMA)	23032-E
Sutter Energy Center Memorandum Account (SECMA)....	22847-E
Greenhouse Gas Admin Costs Memo Account (GHGACMA)	26134-E
Greenhouse Gas Customer Outreach and Education Memorandum Account (GHGCOEMA).....	23428-E
Alternative Fuel Vehicle Memorandum Account (AFVMA).....	24572-E
Residential Disconnect Memorandum Account (RDMA).....	25227-E
Mitsubishi Net Litigation Memorandum Account (MNLMA)....	25578, 25579-E
Nuclear Fuel Cancellation Incentive Memo Account (NFICMA).	25580-E
NEIL Net Litigation Memorandum Account (NNLMA).....	25581, 25582-E
SONGS 2&3 Permanent Closure Non-Investment Relates Expense (SPCEMA).....	25583-E
Deductible Tax Repairs Benefits Memo Account (DTRBMA)....	26143-E
Marine Mitigation Memorandum Account (MMA).....	26933, 26887-E
Green Tariff Shared Renewables Administrative Costs Memorandum Account (GTSRACMA).....	26328-E
Green Tariff Marketing, Education & Outreach Memorandum Account (GTME&OMA).....	26329-E
Enhanced Community Renewables Marketing, Education & Outreach Memorandum Account (ECRME&OMA).....	26330-E
Direct Participation Demand Response Memorandum Account	26335-E
General Rate Case Memorandum Account 2016 (GRCMA2016)	26403-E
Rate Reform Memorandum Account (RRMA)	26407-E

**IV. Electric Distribution and Gas Performance** 23820, 21378, 20738, 20739, 20868, 20869-E

**V. SONGS 2&3 Procedures** 17006, 17007-E

**VI. Miscellaneous**

Listing of Accounts	20158-E
Income Tax Component of Contributions and Advances Provision (ITCCAP).....	27069, 19501, 19502-E
Hazardous Substance Cleanup Cost Account (HSCCA)	19503, 19504, 25384, 19506-19513-E
Competition Transition Charge Responsibility (CTCR)	19514-E
Public Purpose Programs Adjustment Mechanism (PPPAM)	20610, 19516-E
Gain/Loss On Sale Mechanism (GLOSM)	20159, 20160, 20161, 20162, 20163-E

**VII. Cost of Capital Mechanism (CCM).....** 23463-E

**INDEX OF RATE AREA MAPS**

Map 1 - Territory Served.....	15228-E
Map 1-A - Territory Served.....	4916-E
Map 1-B - Territory Served.....	7295-E
Map 1-C - Territory Served.....	9135-E
Map 1-D - Territory Served.....	9136-E

(Continued)

T



**TABLE OF CONTENTS**

Sheet 4

SCHEDULE OF RATES

<u>SCHEDULE NUMBER</u>	<u>SERVICE</u>	<u>CAL. P.U.C. SHEET NO.</u>	
<u>Residential Rates</u>			
DR	Domestic Service .....	26948, 26949, 26950, 26951, 24222, 24223-E	T
DR-TOU	Domestic Time-of-Use Service .....	26952, 26953, 26954, 26955, 26956, 25904-E 25535, 26957-E	T T
TOU-DR	Residential – Time of Use Service	26958, 26959, 26960, 26961, 26057, 25542-E	T
DR-SES	Domestic Households with a Solar Energy System	26962, 26571, 26963, 24335-E	T
E-CARE	California Alternate Rates for Energy .....	26573, 26964, 26575, 26576, 26577, 26578-E 26579-E	T T
DM	Multi-Family Service .....	26965, 26966, 26967, 26583, 24241, 24242-E	T
DS	Submetered Multi-Family Service .....	26968, 26969, 26970, 26971, 24247, 24248-E 24249, 24250-E	T T
DT	Submetered Multi-Family Service Mobilehome Park	26972, 26973, 26974, 26975, 24455, 24256-E 24257, 24258, 24259-E	T T
DT-RV	Submetered Service – Recreational Vehicle Parks and Residential Marinas .....	26976, 26977, 26978, 26979, 24455, 24458-E 24266, 24267-E	T T
EV-TOU	Domestic Time-of-Use for Electric Vehicle Charging	26980, 26597, 24270-E	T
EV-TOU-2	Domestic Time-of-Use for Households With Electric Vehicles .....	26981, 26599, 24272, 24274-E	T
DE	Domestic Service to Utility Employee .....	20017-E	
FERA	Family Electric Rate Assistance .....	26600, 26601-E	
PEVSP	Plug-In Electric Vehicle Submetering Pilot .....	25237, 26183, 26184, 26185, 26186-E	
E-SMOP	Electric Smart Meter Opt-Out Program .....	26151, 26152-E	
<u>Commercial/Industrial Rates</u>			
A	General Service .....	26982, 26983, 24280-E	T
TOU-A	General Service – Time of Use Service .....	26984, 26985, 24373, 25256-E	T
A-TC	Traffic Control Service .....	26986, 24282, 24283-E	T
AD	General Service - Demand Metered .....	26987, 26988, 21772-E	T
A-TOU	General Service - Small - Time Metered .....	26989, 24286, 20503, 21773-E	T
AL-TOU	General Service - Time Metered .....	26990, 26991, 26992, 26993, 20508, 21434-E 21774, 26878-E	T T
AY-TOU	General Service – Time Metered – Optional .....	26994, 26995, 25433, 21776-E	T
A6-TOU	General Service - Time Metered .....	26996, 26997, 25435, 20521, 21777-E	T
DG-R	Distributed Generation Renewable – Time Metered	26998, 26999, 27000, 25437, 21059, 21060-E, 21061-E	T T
OL-TOU	Outdoor Lighting – Time Metered .....	27001, 24302, 21448, 21449-E	T

(Continued)



**TABLE OF CONTENTS**

Sheet 5

<u>SCHEDULE NO.</u>	<u>SERVICE</u>	<u>CAL. P.U.C. SHEET NO.</u>	
	<u>Lighting Rates</u>		
LS-1	Lighting - Street and Highway – Utility-Owned Installations .....	27002, 27003, 27004, 12626, 12627, 12628-E 21439-E	T
LS-2	Lighting - Street and Highway – Customer-Owned Installations .....	27005, 27006, 27007, 27008, 27009, 22362-E 22363, 22364-E	T
LS-3	Lighting - Street and Highway - Customer-Owned Installations .....	27010, 14943, 21441-E	T
OL-1	Outdoor Area Lighting Service .....	27011, 20280, 21442-E	T
OL-2	Outdoor Area Lighting Service Metered – Customer-Owned Installation .....	27012, 21444, 21445-E	T
DWL	Residential Walkway Lighting.....	27013, 21450-E	T
	<u>Miscellaneous</u>		
PA	Power – Agricultural .....	27014, 26507, 26508-E	T
TOU-PA	Power - Agricultural Time of Use Service .....	27015, 27016, 26511, 26512-E	T
PA-T-1	Power – Agricultural – Optional Time-of-Use .....	27017, 27018, 27019, 26516, 26517, 26518-19-E	T
S	Standby Service .....	27020, 18256, 21453-E	T
S-I	Standby Service – Interruptible .....	17678, 6085, 6317-E	
SE	Service Establishment Charge.....	18651, 11594-E	
DA	Transportation of Electric Power for Direct Access Customers .....	17679, 14953, 14954, 21894, 15111, 16976-E 21454, 21895-E	
NDA	UDC Meter Services for Non-Direct Access Customers .....	17892, 11850, 11851, 21455, 16427-E	
E-Depart	Departing Load Nonbypassable ND & PPP Charges .....	18385-E, 18386-E	
BIP	Base Interruptible Program .....	22951, 22952, 23042, 22954, 22955-E	
OBMC	Optional Binding Mandatory Curtailment Plan.....	14625, 15198, 14627, 21948-21951-E	
PEVSP	Plug-in Electric Vehicle Submetering Pilot (Phase I) .....	25237, 25378, 25239, 25379, 25241-E	
SLRP	Scheduled Load Reduction Program .....	14584, 22957, 22958, 14587, 18367-E	
RBRP	Rolling Blackout Reduction Program.....	18259, 18260, 20546, 18262-E	
DBP	Demand Bidding Program.....	25218, 23478, 23479, 25219-E	
DBP-DA	Demand Bidding - Day Ahead (US Navy).....	25220, 25221, 23630, 23631-E	
NEM	Net Energy Metering .....	25272, 25273, 25274, 25275, 25276, 25277-E 25278, 25279, 25280, 25281, 25282, 25283-E 25284, 25285, 25286, 25287, 25288, 25289-E	
NEM-FC	Net Energy Metering for Fuel Cell Customer Generators.....	24910, 23437, 23438, 23439, 23440, 23441-E 23442, 23442-E	
E-PUC	Surcharge to Fund Public Utilities Commission Reimbursement Fee.....	15214-E	
DWR-BC	Department of Water Resources Bond Charge.....	27021-E	T
DA-CRS	Direct Access Cost Responsibility Surcharge.....	21812, 27045, 27046, 27047, 27048-E	T
CGDL-CRS	Customer Generation Departing Load Cost Responsibility Surcharge.....	19581, 19582, 18583, 18584, 18391-E	
CCA	Transportation of Electric Power, For Community Choice Aggregation Customers.....	17894, 17895, 17896, 17897-E	
CCA-CRS	Community Choice Aggregation Cost Responsibility Surcharge.....	27049, 21817-E	T
CCA-INFO	Information Release to Community Choice Providers.....	22783, 17858, 22784, 17860-E	
CBP	Capacity Bidding Program .....	25207, 25781, 25209, 25210, 25211, 25212-E 25213, 25214, 25215, 25216, 25217-E	
UM	Unmetered Electric Service .....	27022, 19337, 19338-E	T

(Continued)



**TABLE OF CONTENTS**

Sheet 6

SCHEDULE OF RATES

<u>SCHEDULE NUMBER</u>	<u>SERVICE</u>	<u>CAL. P.U.C. SHEET NO</u>
<u>Miscellaneous</u>		
WATER	Water Agency Tariff for Eligible Renewables.....	20287,19337,19338-E 20429,20430-E
PTR	Peak Time Rebate .....	24102, 22926, 23475, 23476-E
CRE	Customer Renewable Energy.....	20882, 20883-E
NEM-V	Virtual Net Metering for Multi-Tenant and Meter Properties.....	23222, 22934, 23333, 23334, 23965-E 23966, 23967-E
VNM-A	Virtual Net Metering for Multi-Family Affordable Housing.....	22385, 22402, 22403, 22404, 22405-E
RES-BCT	Renewable Energy Self-Generation Bill Credit Transfer.....	22582, 25424, 22584, 22585, 222586-E
ECO	Energy Credit Option.....	21280, 21281, 21282, 21283-E
SPSS	Station Power Self Supply.....	21625, 21626, 21627, 21628-E
CHP	Combined Heat and Power.....	22625, 22626-E
GHG-ARR	Greenhouse Gas Allowance Rate Return.....	27051, 27044, 27052-E
ECR	Enhanced Community Renewables.....	27111, 27112, 26341, 26342, 26343-E 26344, 26345-E
GT	Green Tariff.....	27113, 27114, 26348, 26349, 26350-E
ECR-PDT	Enhanced Community Renewables Project Development Tariff.....	26860, 26861, 26862, 26863, 26864-E 26865, 26866, 26867, 26868, 26869-E 26870, 26871, 26872, 26873-E
<u>Commodity Rates</u>		
EECC	Electric Energy Commodity Cost .....	27023, 27024, 27025, 27026, 27027-E 27028, 27029, 27030, 27031, 27032-E 24469, 24386-E
EECC-TOU-DR-P	Electric Commodity Cost - Time of Use Plus	27050, 25547-50-E
EECC-TOU-A-P	Electric Commodity Cost – Time of Use Plus	26282, 27033, 24394, 24395, 24396-E
EECC-TOU-PA-P	Electric Commodity Cost – Time of Use Plus	27034, 25457, 24399, 24400, 24401-E
EECC-TBS	Electric Energy Commodity Cost – Transitional Bundled Service.....	22903, 22904, 16432, 19750-E
EECC-CPP-D	Electric Energy Commodity Cost – Critical Peak Pricing Default.....	27035, 27036, 25458, 25514, 25515-E 25516, 25517, 22929-E
EECC-CPP-D-AG	Electric Commodity Cost, Critical Peak Pricing Default Agricultural	27037, 27038, 25459, 25518, 25519-E 25520, 25521, 24349-E
LIST OF CONTRACTS AND DEVIATIONS.....		14296, 5488, 5489, 6205, 6206, 5492-E 16311, 22320, 5495, 6208, 6209, 8845-E 6109, 5902, 5750, 8808, 8809, 6011-E 8001, 8891, 24064, 22533, 26821-E

(Continued)



**TABLE OF CONTENTS**

Sheet 7

<u>RULE NO.</u>	<u>SERVICE</u>	<u>CAL. P.U.C. SHEET NO.</u>
1	Definitions .....	20584, 20585, 23310, 23700, 20588, 17687, 22066, 18413-E 14854, 24475, 19394, 24671, 24476, 22068-E
2	Description of Service .....	15591-15600, 15601, 15602, 15603, 20415-E
3	Applications for Service .....	15484, 15485-E
4	Contracts .....	15488, 15489, 15490-E
5	Special Information Available for Customers .....	20644, 20645-E
6	Establishment & Re-establishment of Credit.....	20223, 25228-E
7	Deposits.....	25229, 20228-E
8	Notices.....	17405-E
9	Rendering and Payment of Bills.....	25230, 20141, 20142, 20143-E
10	Disputed Bills .....	19756-E
11	Discontinuance of Service .....	25231, 25232, 25233, 19693, 25248, 19695 –19697, 22793-E
12	Rates and Optional Rates.....	19399-E
13	Temporary Service .....	19757-E
14	Shortage of Electric Supply/Interruption of Dlrvy .....	4794-E
15	Distribution Line Extensions.....	19758, 11221, 11222, 22237, 13202, 13203, 20417, 12777-E 17074, 17075, 17076, 22238, 22239, 20420-E
16	Service Extensions .....	11233, 22794, 10501, 11235, 11236, 13238-E 11238, 11239, 11240, 19759, 11242, 11243, 11244, 11245-E
17	Meter Reading .....	26153, 20343-E
18	Meter Tests and Adjustment of Bills .....	16585, 22130, 22131-E
19	Supply to Separate Premises and Resale .....	18704, 20591, 26879, 22515-E
20	Replacement of Overhead With Underground Electric Facilities.....	25251, 15505, 15506, 15507, 15508-E
21	Interconnection Standards for Non-Utility Owned Generation	26810, 24943, 25990-92, 24947-48, 25993, 24950-53-E 25994-26002, 26811-15, 24968-71, 26816, 24973, 26817-E 24975 -25028, 26005-09, 25034-36, 26010-47-E
21.1	Final Standard Offer 4 Qualifying Facilities.....	7966-7976, 7977-7986, 7989-E
22	Special Service Charges.....	8713, 8714-E
23	Competition Transition Charge Responsibility .....	19760, 15189, 15190, 15191, 15192, 15123, 10623, 10624-E 10625, 12720, 12721, 12722, 12723, 12724-E
25	Direct Access Rules.....	22714, 23311, 21669-21671, 23312, 21673, 23313, 22715-16-E 23775-23780, 21683-21691, 23316, 21693, 11915, 20294, 20295-E 11918-11920, 20296, 11922-11924, 20297, 11926, 20298- E 11928-11930-E
25.1	Switching Exemptions.....	23413, 22644, 22727, 22646, 21889, 21699, 21700, 22728-E 23317, 23318, 21704, 23414, 23415, 23416-E
25.2	Direct Access Qualified Nonprofit Charitable Org	19818-E
27	Community Choice Aggregation.....	19763-19770, 20299, 21898, 19773-76, 21899, 21900, 21901-E 19780, 19781, 26377, 22825, 19784-91, 20300, 22826, 19794-98-E
27.2	Community Choice Aggregation Open Season ...	19799, 19800, 20466, 20467-E
28	Provision of Utility Right-of-Way Information.	14167, 14168, 14169, 14170, 14171-E
29	Third-Party Marketers for BIP	22966, 22967, 22968, 22969, 22970, 22971, 22972, 22973-E
30	Capacity Bidding Program	19658, 19659, 19660, 19661, 19662, 19663-E
31	Participating Load Pilot	21265, 21266, 21267, 21268, 21269, 21270-E
31.1	Demand Response Wholesale Market Pilot.....	22041, 22042, 22043, 22044, 22045, 22046-E
32	Direct Participation Demand Response	24708, 27076, 27104, 27078, 27079, 27080, 27081, 27105, 27083-E 27084, 27085, 27086, 27087-27090, 27091, 27092, 27093, 27094-E 27095, 24729, 26386, 24731, 27096, 24733-E
33	Privacy & Security – Energy Use Data.....	23298, 23299, 23300, 23301, 23302, 23303, 23304, 23305-E
40	On-Bill Financing Program	20937-E
41	Demand Response Multiple Program Participation	21501, 21502, 21503, 21504, 21505, 21506-E
43	On-Bill Repayment Pilots	26465, 23976, 26466, 26467, 26468, 26469, 26470-E
44	Mobilehome Park Utility Upgrade Program.....	20554, 20555, 20556, 20557, 25472- 25475-E

(Continued)



**TABLE OF CONTENTS**

Sheet 8

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>	<u>Applications, Agreements &amp; Contracts</u>	<u>Cal. P.U.C. Sheet No.</u>
101-663A	10-68	Agreement - Bills/Deposits.....	2497-E
101-4152G	6-69	Sign Up Notice for Service.....	1768-E
106-1202	6-96	Contract for Special Facilities.....	9118-E
106-1502C	5-71	Contract for Agricultural Power Service.....	1919-E
106-1959A	5-71	Absolving Service Agreement, _____ Service from Temporary Facilities.....	1921-E
106-2759L	4-91	Agreement for Replacement of Overhead with Underground Facilities.....	7063-E
106-3559	- - -	Assessment District Agreement.....	6162-E
106-3559/1	- - -	Assessment District Agreement.....	6202-E
106-3859	01-01	Request for Service at Secondary/Primary Substation Level Rates.....	14102-E
106-3959	6-96	Contract for Special Facilities Refund.....	9120-E
106-4059	6-96	Contract for Buyout Special Facilities.....	9121-E
106-5140A	10-72	Agreement for _____ Service.....	2573-E
106-15140	5-71	Agreement for Temporary Service.....	1920-E
106-21600	11-14	Agreement for the Purchase of Electrical Energy.....	25563-E
106-36140	11-73	Agreement for Street Lighting - Schedule LS-1.....	2575-E
106-37140	11-73	Agreement for Street Lighting - Schedule LS2-A.....	2576-E
106-38140	11-73	Agreement for Street Lighting - Schedule LS2-B.....	2577-E
106-13140	6-95	General Street Lighting Contract.....	8785-E
106-14140A	1-79	Street Lighting Contract, Supplement.....	3593-E
106-2059A	6-69	Contract for Outdoor Area Lighting Service.....	1773-E
106-23140	9-72	Contract for Residential Walkway Lighting Service.....	2581-E
106-35140E	11-85	Underground Electric General Conditions.....	5547-E
106-39140	9/14	Contract for Unmetered Service Agreement for Energy Use Adjustments for network Controlled Dimmable Streetlights.....	25464-E
106-43140	11-85	Overhead Line Extension General Conditions.....	5548-E
106-44140	1-08	Agreement for Extension and Construction of _____ .....	20421-E
65502	5-04	Statement Of Applicant's Contract Anticipated Cost For Applicant Installation Project.....	17139-E
107-00559	3-98	Proposal to Purchase and Agreement for Transfer of Ownership of Distribution Systems.....	11076-E
116-2001	12-11	Combined Heat & Power System Contract less than 20 MW	22627-E
116-0501	12-11	Combined Heat & Power System Contract less than 5 MW	22628-E
116-0502	06-12	Combined Heat & Power System Contract less than 500kW	22997-E
117-2159B	- - -	Standard Offer for Power Purchase and Interconnection - Qualifying Facilities Under 100 Kw.....	5113-E
117-2160	07-14	Generating Facility Interconnection Agreement (NEM/Non- NEM Generating Facility Export).....	25290-E
117-2160-A	05-14	Generating Facility Interconnection Agreement (NEM/Non- NEM Generating Facility Export) Federal Government Only..	24924-E
117-2259	8-95	Electronic Data Interchange (EDI) and Funds Transfer Agreement.....	8802-E
118-159	7-91	Group Load Curtailment Demonstration Program - Curtailment Agreement .....	7153-E
118-00228	7-98	Agreement for Illuminated Transit Shelters.....	11455-E

(Continued)



**TABLE OF CONTENTS**

Sheet 9

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>	<u>Applications, Agreements &amp; Contracts</u>	<u>Sheet No.</u>
118-459	07-91	Group Load Curtailment Demonstration Program - Peak Capacity Agreement.....	7154-E
118-228	01-11	Operating Entity Agreement for Illuminated Transit Shelters.....	22224-E
118-1228	01-11	Agreement for Illuminated Transit Shelters	22225-E
124-363	- - -	Declaration of Eligibility for Lifeline Rates.....	2857-E
124-463	07-07	Continuity of Service Agreement.....	20126-E
124-463/1	07-07	Continuity of Service Agreement Change Request.....	20127-E
124-1000	09-07	Community Choice Aggregator (CCA) Service Agreement.....	20301-E
124-1010	10-12	Community Choice Aggregator Non-Disclosure Agreement.....	23228-E
124-1020	03-12	Declaration by Mayor or Chief County Administrator Regarding Investigation, Pursuit or Implementation of Community Choice Aggregation.....	22786-E
124-5152F	08-73	Application for Gas/Electric Service.....	2496-E
132-150	03-14	Medical Baseline Allowance Application.....	24575-E
132-150/1	07-02	Medical Baseline Allowance Self-Certification.....	23637-E
132-01199	02-99	Historical Energy Usage Information Release (English).....	11886-E
132-01199/1	02-99	Historical Energy Usage Information Release (Spanish).....	11887-E
132-1259C	06-74	Contract for Special Electric Facilities.....	2580-E
-----		Contract for Electric Service - Agua Caliente – Canebrake.....	1233-E
132-2059C		Resident's Air Conditioner Cycling Agreement.....	4677-E
132-6263	06-07	On-Bill Financing Loan Agreement.....	21100-E
132-6263/1	06-07	On-Bill Financing Loan Agreement for Self Installers.....	21101-E
132-6263/2	11-12	On-Bill Financing Loan Agreement for CA State Government Customers	23268-E
132-6264	08-15	Authorization to Add Charges to Utility Bill.....	26471-E
132-20101	12-10	Affidavit for Small Business Customer.....	22132-E
135-00061	12-00	Voluntary Rate Stabilization Program Contract for Fixed Price Electric Energy with True-up.....	14001-E
135-559	07-87	Power Line Analysis and/or Engineering Study Agreement.....	5978-E
135-659	10-92	Annual Certification Form - Master Metered Accounts.....	7542-E
139-0001	02-07	Energy Payment Deferral Plan for Citrus & Agricultural Growers...	19981-E
142-00012	02-03	Scheduled Load Reduction Program Contract.....	16102-E
142-140	08-93	Request for Service on Schedule LR.....	7912-E
142-259	07-87	Contract for Service, Schedule S-I (Standby Service - Interruptible).....	5975-E
142-359A	07-87	Contract for Service, Schedule S (Standby Service).....	5974-E
142-459		Agreement for Standby Service.....	6507-E
142-732	04-15	Application and Statement of Eligibility for the California Alternate Rates for Energy (CARE) Program.....	26302-E
142-732/1	04-15	Residential Rate Assistance Application (IVR/System-Gen).....	26303-E
142-732/2	04-15	Sub-metered Household Application and Statement of Eligibility for California Alternate Rates for Energy (CARE) Program.....	26304-E
142-732/3	12-15	CARE Program Recertification Application & Statement of Eligibility	26890-E
142-732/4	12-15	CARE/FERA Program Renewal – Application & Statement of Eligibility for Sub-metered Customers.....	26891-E
142-732/5	12-15	CARE Post Enrollment Verification.....	26892-E
142-732/6	04-15	Residential Rate Assistance Application (Vietnamese).....	26308-E
142-732/8	04-15	Residential Rate Assistance Application (Direct Mail).....	26309-E
142-732/10	04-15	Residential Rate Assistance Application (Mandarin Chinese).....	26310-E
142-732/11	04-15	Residential Rate Assistance Application (Arabic).....	26311-E
142-732/12	04-15	Residential Rate Assistance Application (Armenian).....	26312-E
142-732/13	04-15	Residential Rate Assistance Application (Farsi).....	26313-E
142-732/14	04-15	Residential Rate Assistance Application (Hmong).....	26314-E
142-732/15	04-15	Residential Rate Assistance Application (Khmer).....	26315-E
142-00832	04-15	Application for CARE for Qualified Nonprofit Group Living Facilities	26321-E

(Continued)

T  
T  
T





**TABLE OF CONTENTS**

Sheet 10

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>	<u>Applications, Agreements &amp; Contracts</u>	<u>Sheet No.</u>
142-732/16	05-14	Residential Rate Assistance Application (Korean).....	25505-E
142-732/17	05-14	Residential Rate Assistance Application (Russian).....	25506-E
142-732/18	05-14	Residential Rate Assistance Application (Tagalog).....	25507-E
142-732/19	05-14	Residential Rate Assistance Application (Thai).....	25508-E
142-740	05-14	Residential Rate Assistance Application (Easy/App)	25509-E
142-959	06-96	Standard Form Contract for Service New Job Incentive Rate Service.....	9129-E
142-1059	06-96	Standard Form Contract for Service New Job Connection Credit.....	9130-E
142-1159	03-94	Standard Form Contract - Use of Rule 20A Conversion Funds to Fund New Job Connection Credit.....	8103-E
142-1359	05-95	Request for Contract Minimum Demand.....	8716-E
142-1459	05-95	Agreement for Contact Closure Service.....	8717-E
142-1559	05-95	Request for Conjunctive Billing.....	8718-E
142-1659	05-95	Standard Form Contract - Credits for Reductions in Overhead to Underground Conversion Funding Levels.....	8719-E
142-01959	01-01	Consent Agreement.....	14172-E
142-02559	01-98	Contract to Permit Billing of Customer on Schedule AV-1 Prior to Installation of all Metering and Equipment Required to Provide a Contract Closure in Compliance With Special Condition 12 of Schedule AV-1.....	11023-E
142-02760	12-12	Interconnection Agreement for Net Energy Metering Solar or Wind Electric Generating Facilities for Other than Residential or Small Commercial of 10 Kilowatts or Less.....	26167-E
142-02760.5	07-14	Interconnection Agreement for Virtual Net Metering (VNM) Photovoltaic Electric Generating Facilities.....	16697-E
142-02762	01-13	Fuel Cell Generating Facility NEM and Interconnection Agreement.....	23444-E
142-02763	10-12	NEM/VNM-A Inspection Report.....	23234-E
142-02765	01-15	NEM Application & Interconnection Agreement for Customers with Solar and/or Wind Electric Generating Facilities of 30 kW or Less.....	26168-E
142-02766	01-15	NEM Application & Interconnection Agreement for Solar and/or Wind Electric Generating Facilities Greater than 30 kW or up to 1000 kW.....	26169-E
142-02768	02-09	Photovoltaic Generation Allocation Request Form.....	21148-E
142-02769	07-14	NEM Aggregation Form.....	25293-E
142-02770	12-12	Generation Credit Allocation Request Form.....	23288-E
142-02771	06-14	Rule 21 Generator Interconnection Agreement (GIA).....	25064-E
142-02772	06-14	Rule 21 Detailed Study Agreement.....	25065-E
142-3201	- - -	Residential Hotel Application for Residential Rates.....	5380-E
142-3242		Agreement for Exemption from Income Tax Component on Contributions and Refundable Advances.....	6041-E
142-4032	05-14	Application for California Alternate Rates for Energy (CARE) Program for Qualified Agricultural Employee Housing Facilities.....	24893-E
142-4035	06-05	Application for California Alternate Rates for Energy (CARE) Program for Migrant Farm Worker Housing Centers.....	18415-E
142-05200	09-12	Generator Interconnection Agreement for Fast Track Process.....	23216-E
142-05201	09-12	Exporting Generating Facility Interconnection Request.....	23217-E
142-05202	01-01	Generating Facility Interconnection Application Agreement....	14152-E
142-05203	06-15	Generating Facility Interconnection Application.....	26363-E
142-05204	06-14	Rule 21 Pre-Application Report Request.....	25067-E
142-05205	07-02	Optional Binding Mandatory Curtailment Plan Contract.....	17729-E
142-05207	04-06	Base Interruptible Program Contract.....	23043-E
142-05209	04-01	No Insurance Declaration.....	15476-E
142-05210	06-04	Rolling Blackout Reduction Program Contract.....	18273-E
142-05211	06-04	Bill Protection Application.....	18273-E
142-05212	07-03	Demand Bidding Program Non-Disclosure Agreement.....	17152-E
142-05215	04-06	Third Party Marketer Agreement for BIP.....	22975-E

(Continued)



**TABLE OF CONTENTS**

Sheet 11

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>	<u>Applications, Agreements and Contracts</u>	<u>Cal. P.U.C. Sheet No.</u>
142-05216	04-06	Notice to Add, Change or Terminate Third Party Marketer for BIP	22976-E
142-05218	07-14	Demand Bidding Program Contract.....	25222-E
142-05218-N	07-14	Demand Bidding Program Day Ahead (Navy Only) Contract....	26373-E
142-05300	10-06	Capacity Bidding Program Customer Contract.....	19664-E
142-05301	10-06	Aggregator Agreement for Capacity Bidding Program (CBP).....	26161-E
142-05302	10-06	Notice to Add, Change, or Terminate Aggregator for Capacity Bidding Program.....	26162-E
142-05303	10-06	Notice by Aggregator to Add or Delete Customer.....	26163-E
142-05213	07-03	Technical Assistance Incentive Application.....	16568-E
142-05219	11-12	Technical Incentive Program Application.....	23264-E
142-05219/1	11-12	Technical Incentive Program Agreement.....	23265-E
142-0541	06-02	Customer Generation Agreement.....	15384-E
142-0542	10-12	Generating Facility Interconnection Agreement..... (3 <sup>rd</sup> Party Inadvertent Export)	23237-E
142-0543	10-12	Generating Facility Interconnection Agreement..... (3 <sup>rd</sup> Party Non-Exporting)	23238-E
142-0544	10-12	Generating Facility Interconnection Agreement..... (Inadvertent Export)	23239-E
142-0545	06-06	Generating Facility Interconnection Agreement (Continuous Export)...	19323-E
142-0546	05-10	Generation Bill Credit Transfer Allocation Request Form.....	21852-E
142-0600	06-13	Joint IOU Standard Form Re-Mat Power Purchase Agreement.....	23603-E
142-0610	06-13	SDG&E's Final Standard Form Re-Mat PPA	23604-E
143-359		Resident's Agreement for Water Heater Switch Credit.....	3542-E
143-00212		Service Agreement between the Customer and SDG&E for Optional UDC Meter Services.....	11854-E
143-359		Resident's Agreement for Water Heater Switch Credit.....	3542-E
143-459		Resident's Agreement for Air Conditioner or Water Heater Switch.....	3543-E
143-559		Owner's Agreement for Air Conditioner or Water Heater Switch Payment.....	3544-E
143-659		Owner's Agreement for Air Conditioner or Water Heater Switch.....	3545-E
143-759	12-97	Owner's Agreement for Air Conditioner Switch Payment.....	3699-E
143-859	1-99	Occupant's Agreement for Air Conditioner Switch Payment....	3700-E
143-01212		Letter of Understanding between the Customer's Authorized Meter Supplier and SDG&E for Optional UDC Meter Services.....	11855-E
143-1459B	12-97	Thermal Energy Storage Agreement.....	5505-E
143-01759	12-97	Meter Data and Communications Request.....	11004-E
143-01859	2-99	Energy Service Provider Service Agreement.....	10572-E
143-01959	8-98	Request for the Hourly PX Rate Option Service Agreement....	11005-E
143-01959/1	2-99	Request for the Hourly PX Rate Option (Spanish).....	11888-E
143-02059	12-99	Direct Access Service Request (DASR).....	13196-E
143-02159	12-97	Termination of Direct Access (English).....	11889-E
143-02159/1	12-97	Termination of Direct Access (Spanish).....	11890-E
143-2259	12-97	Departing Load Competition Transition Charge Agreement.....	10629-E
143-02359	12-97	Customer Request for SDG&E to Perform Telecommunication Service.....	11007-E
143-02459	12-97	ESP Request for SDG&E to Perform ESP Meter Services.....	11008-E
143-02659	3-98	ESP Request to Receive Meter Installation/Maintenance Charges	11175-E
143-02759	04-10	Direct Access Customer Relocation Declaration.....	23417-E
143-02760	12-12	Six Month Notice to Return to Direct Access Service.....	23319-E
143-02761	01-12	Six Month Notice to Return to Bundled Portfolio Service....	22730-E
143-02762	02-13	Direct Access Customer Assignment Affidavit.....	23432-E
143-02763	04-10	Notice of Intent to Transfer to DA During OEW.....	21709-E

(Continued)



**TABLE OF CONTENTS**

Sheet 12

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>	<u>Applications, Agreements and Contracts</u>	<u>Cal. P.U.C. Sheet No.</u>
143-02764	02-13	Direct Access Customer Replacement Declaration.....	23701-E
144-0810	03-08	Critical Peak Pricing (CPP) Opt-Out Form.....	20594-E
144-0811	03-09	Capacity Reservation Election.....	21133-E
144-0812	08-13	Event Notification Form.....	23703-E
144-0813	08-13	Future Communications Contact Information Form.....	23704-E
144-0820	01-16	CISR-DRP.....	27106-E
144-0821	01-16	DRP Service Agreement.....	27107-E
165-1000	06-09	Participating Load Pilot Customer Contract.....	21271-E
165-1000/1	06-10	Demand Response Wholesale Market Pilot Customer Contract.....	22047-E
165-1001	06-09	Aggregator Agreement for Participating Load Pilot.....	21272-E
165-1001/1	06-10	Aggregator Agreement for Demand Response Wholesale Market Pilot....	22048-E
165-1002	06-09	Notice to Add, Change or Terminate Aggregator for PLP.....	21273-E
165-1002/1	06-10	Notice to Add, Change or Terminate Aggregator for DRWMP.....	22049-E
165-1003	06-09	Notice by Aggregator to Add or Delete Customers for PLP.....	21274-E
165-1003/1	06-10	Notice by Aggregator to Add or Delete Customers for DRWMP.....	22050-E
175-1000	07-09	Customer Energy Network – Terms and Conditions.....	21298-E
182-1000	11-13	Renewable Energy Credits Compensation Agreement.....	23970-E
183-1000	07-14	PEV Submetering Pilot (Phase I) Customer Enrollment Agreement.....	26187-E
183-2000	07-14	Submeter MDMA Registration Agreement.....	26188-E
185-1000	02-14	Customer Information Service Request Form.....	24202-E
185-2000	02-16	Energy Efficiency Financing Pilot Programs Authorization or Revocation of Authorization to Release Customer Information.....	27121-E
187-1000	04-15	Rule 33 Standard Non-Disclosure Agreement (NDA).....	26294-E
187-2000	04-15	Rule 33 Terms of Service Acceptance Form.....	26295-E
189-1000	11-14	Mobilehome Park Utility Upgrade Agreement.....	25558-E
189-2000	11-14	Mobilehome Park Utility Upgrade Application.....	25559-E
190-1000	10-15	Bioenergy Market Adjusting Tariff Power Purchase Agreement.....	26846-E
190-2000	10-15	Green Tariff Shared Renewables (GTSR) Enhanced Community Renewables (ECR) Program Project Development Tariff Rider and Amendment.....	26874-E
<u>Deposits, Receipts and Guarantees</u>			
144-0812	03-09	Critical Peak Pricing - Event Notification Information Form .....	21134-E
144-0813	03-09	Critical Peak Pricing - Future Communications Contact Information Form .....	21135-E
155-100	03-06	Application and Contract for Unmetered Service.....	19128-E
160-1000	10-12	Public Agency and Wastewater Agency Agreement.....	23240-E
160-2000	10-12	Customer Renewable Energy Agreement.....	23241-E
101-00197	09-08	Payment Receipt for Meter Deposit .....	11197-E
101-363	04-98	Guarantor's Statement .....	20604-E
101-1652B	04-08	Receipt of Payment.....	2501-E
103-1750-E	03-68	Return of Customer Deposit.....	2500-E
<u>Bills and Statements</u>			
108-01214	03-14	Residential Meter Re-Read Verification .....	24576-E
110-00432	03-14	Form of Bill - General, Domestic, Power, and Lighting Service - Opening, Closing, and Regular Monthly Statements.....	25174-E
110-00432/2	03-14	Form of Bill - Pink Past Due Format.....	24578-E

(Continued)



**TABLE OF CONTENTS**

Sheet 13

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>		<u>Cal. P.U.C. Sheet No.</u>
<u>Collection Notices (Continued)</u>			
101-00751	08-14	Final Notice Before Disconnect (MDTs).....	25419-E
101-00752	04-11	Final Notice Before Disconnect (delivered).....	22324-E
101-00753	03-14	Back of Urgent Notice Applicable to Forms 101-00753/1 through 101-00753/11.....	24579-E
101-00753/1	04-11	Urgent Notice Payment Request Security Deposit to Establish Credit.....	22325-E
101-00753/2	03-05	Urgent Notice Payment Request Security Deposit to Re-Establish Credit.....	18084-E
101-00753/3	04-11	Urgent Notice Payment Request for Past Due Security Deposit.....	22326-E
101-00753/4	04-11	Urgent Notice Payment Request for Past Due Bill.....	22327-E
101-00753/5	02-04	Urgent Notice Payment Request for Returned Payment.....	16948-E
101-00753/6	02-04	Urgent Notice Payment Request for Final Bill.....	16949-E
101-00753/7	02-04	Urgent - Sign Up Notice for Service.....	16950-E
101-00753/8	02-04	Reminder Notice – Payment Request for Past Due Bill.....	16951-E
101-00753/9	02-04	Closing Bill Transfer Notification.....	16952-E
101-00753/10	03-14	Payment Agreement Confirmation.....	24580-E
101-00753/11	02-04	ESP Reminder Notice – Payment Request for Past Due Bill.....	16954-E
101-00754	03-14	Final Notice Before Disconnection (mailed), Notice of Past Due Closing Bill, and Notice of Past Due Closing Bill Final Notice.....	24581-E
101-01071	04-11	Notice of Disconnect (delivered).....	22330-E
101-01072	08-14	Notice of Disconnect (delivered).....	25420-E
101-01073	05-14	Notice of Shut-off (Mailed).....	24851-E
101-02171	05-10	Notice to Landlord - Termination of Tenant's Gas/Electric Service (two or more units).....	21885-E
101-02172	03-14	Notice of Disconnect (MDTs).....	24582-E
101-2452G	02-04	Notice to Tenants - Request for Termination of Gas and Electric Service Customer Payment Notification.....	16959-E
<u>Operation Notices</u>			
101-2371	11-95	No Access Notice.....	8826-E
101-3052B	3-69	Temporary "After Hour" Turn On Notice.....	2512-E
101-15152B	3-69	Door Knob Meter Reading Card.....	2515-E
107-04212	4-99	Notice of Temporary Electric Service Interruption (English & Spanish).....	12055-E
115-00363/2	9-00	Sorry We Missed You.....	13905-E
115-002363	9-00	Electric Meter Test.....	13906-E
115-7152A		Access Problem Notice.....	3694-E
124-70A		No Service Tag.....	2514-E

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# **Attachment C**

**San Diego Gas & Electric Company**

**Statement of Proposed Increases**

As explained in the Application above, SDG&E is seeking approval of two long term contracts to meet local capacity needs in its electric service territories. The proposed contracts would provide new electric resources, including electric storage (“ES”) and energy efficiency (“EE”). Electric customers in SDG&E’s service territory would also receive grid reliability benefits for the duration of the contracts.

This application requests cost recovery from all customers in SDG&E’s service territory, even the customers who purchase electricity from another provider but pay SDG&E to distribute the electricity to their homes. The total cost of the two contracts over their respective contract terms is approximately \$92 million (this does not include franchise fees, uncollectibles and the cost of energy for the batteries associated with the ES contract). **Please note that the total cost is based on forecasts and is likely to change prior to including the actual cost in electric rates.**

If the CPUC approves SDG&E’s application, a typical non-CARE residential customer living in the inland climate zone and using 500 kilowatt-hours per month could see a monthly summer bill increase of 0.2%, or \$0.17, from a current monthly bill of \$110.08 to \$110.25. The illustrative rate and bill impacts assume both the ES and EE contracts are in effect and provides a comparison to current (1/1/2016) rates.

Table 1 below shows a comparison of current class average rates to proposed rates for the cost recovery of both the ES and EE contracts. **The dollar amounts and percentages shown below are estimates and do not necessarily reflect the exact changes customers may see in their bills.** Changes in individual bills will depend on how much energy each customer uses.

**SAN DIEGO GAS & ELECTRIC COMPANY’S ILLUSTRATIVE  
ELECTRIC TOTAL RATE INCREASE**

Customer Class	Current Class Average Rates 01/01/16 <sup>1</sup> (¢/kWh)	Class Average Rates Reflecting Proposed Increase Per application (¢/kWh)	Total Rate Increase (¢/kWh)	Percentage Rate Increase (%)
<b>Residential</b>	22.442	22.482	0.040	0.18%
<b>Small Commercial</b>	22.322	22.378	0.056	0.25%
<b>Medium and Large C&amp;I<sup>2</sup></b>	18.626	18.662	0.036	0.19%
<b>Agricultural</b>	16.421	16.463	0.042	0.26%
<b>Lighting</b>	18.682	18.714	0.032	0.17%
<b>System Total</b>	20.366	20.405	0.039	0.19%

<sup>1</sup> Rates effective 1/1/16 per Advice Letter (AL) 2840-E.

<sup>2</sup> C&I stands for Commercial and Industrial.

# **Attachment D**

**San Diego Gas & Electric Company**

**Statement of Original Cost and**

**Depreciation Reserve**

**SAN DIEGO GAS & ELECTRIC COMPANY**

**COST OF PROPERTY AND  
DEPRECIATION RESERVE APPLICABLE THERETO  
AS OF SEPTEMBER 30, 2015**

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
<b>ELECTRIC DEPARTMENT</b>			
302	Franchises and Consents	222,841.36	202,900.30
303	Misc. Intangible Plant	<u>141,257,013.30</u>	<u>55,237,654.10</u>
	TOTAL INTANGIBLE PLANT	<u>141,479,854.66</u>	<u>55,440,554.40</u>
310.1	Land	14,526,518.29	46,518.29
310.2	Land Rights	0.00	0.00
311	Structures and Improvements	95,069,397.72	38,339,236.01
312	Boiler Plant Equipment	166,496,015.17	65,352,525.17
314	Turbogenerator Units	131,184,022.25	43,737,556.07
315	Accessory Electric Equipment	85,626,487.97	31,536,908.21
316	Miscellaneous Power Plant Equipment	43,116,186.54	8,718,987.81
	Steam Production Decommissioning	<u>0.00</u>	<u>0.00</u>
	TOTAL STEAM PRODUCTION	<u>536,018,627.94</u>	<u>187,731,731.56</u>
320.1	Land	0.00	0.00
320.2	Land Rights	0.00	0.00
321	Structures and Improvements	8,868,527.59	2,658,162.87
322	Boiler Plant Equipment	223,650,959.30	21,662,290.99
323	Turbogenerator Units	26,982,318.72	2,370,893.39
324	Accessory Electric Equipment	10,877,778.70	1,458,232.53
325	Miscellaneous Power Plant Equipment	147,104,595.48	48,807,803.51
101	SONGS PLANT CLOSURE GROSS PLANT-	<u>(417,484,179.79)</u>	<u>(76,957,383.00)</u>
	TOTAL NUCLEAR PRODUCTION	<u>0.00</u>	<u>0.29</u>
340.1	Land	143,475.87	0.00
340.2	Land Rights	56,032.61	6,454.27
341	Structures and Improvements	22,703,423.92	6,004,182.75
342	Fuel Holders, Producers & Accessories	20,348,101.38	6,479,169.80
343	Prime Movers	85,663,135.71	29,421,287.80
344	Generators	341,381,604.65	117,434,698.52
345	Accessory Electric Equipment	32,506,374.56	10,881,715.74
346	Miscellaneous Power Plant Equipment	<u>26,173,720.53</u>	<u>11,856,992.31</u>
	TOTAL OTHER PRODUCTION	<u>528,975,869.23</u>	<u>182,084,501.19</u>
	TOTAL ELECTRIC PRODUCTION	<u>1,064,994,497.17</u>	<u>369,816,233.04</u>



<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
350.1	Land	68,252,868.81	0.00
350.2	Land Rights	155,882,509.41	17,972,319.17
352	Structures and Improvements	411,641,763.98	54,688,943.96
353	Station Equipment	1,252,715,442.09	228,291,663.65
354	Towers and Fixtures	895,606,322.35	140,680,581.74
355	Poles and Fixtures	429,102,068.40	76,749,078.07
356	Overhead Conductors and Devices	545,756,460.54	207,469,775.95
357	Underground Conduit	334,549,032.17	43,671,941.46
358	Underground Conductors and Devices	354,590,177.43	43,969,271.39
359	Roads and Trails	308,794,016.99	21,949,474.23
101	SONGS PLANT CLOSURE GROSS PLANT-	0.00	0.00
	TOTAL TRANSMISSION	4,756,890,662.17	835,443,049.62
360.1	Land	16,176,227.80	0.00
360.2	Land Rights	83,197,072.94	38,359,570.23
361	Structures and Improvements	4,016,116.21	1,850,707.07
362	Station Equipment	472,371,457.66	140,040,909.84
363	Storage Battery Equipment	32,252,131.27	1,860,326.80
364	Poles, Towers and Fixtures	628,150,966.37	254,207,249.32
365	Overhead Conductors and Devices	526,985,838.60	190,117,310.22
366	Underground Conduit	1,095,293,587.53	434,325,980.32
367	Underground Conductors and Devices	1,413,682,572.55	843,367,411.59
368.1	Line Transformers	560,544,506.46	115,809,024.77
368.2	Protective Devices and Capacitors	25,188,633.24	(2,646,021.89)
369.1	Services Overhead	133,139,239.44	120,913,318.90
369.2	Services Underground	331,022,935.25	233,634,073.91
370.1	Meters	192,381,788.02	63,246,231.22
370.2	Meter Installations	56,007,062.17	15,970,423.15
371	Installations on Customers' Premises	7,948,192.28	10,767,852.61
373.1	St. Lighting & Signal Sys.-Transformers	0.00	0.00
373.2	Street Lighting & Signal Systems	27,523,799.88	19,416,915.56
	TOTAL DISTRIBUTION PLANT	5,605,882,127.67	2,481,241,283.62
389.1	Land	7,312,142.54	0.00
389.2	Land Rights	0.00	0.00
390	Structures and Improvements	32,160,259.94	23,852,688.16
392.1	Transportation Equipment - Autos	0.00	49,884.21
392.2	Transportation Equipment - Trailers	58,145.67	10,322.68
393	Stores Equipment	15,720.46	15,343.08
394.1	Portable Tools	23,360,039.75	7,769,338.51
394.2	Shop Equipment	341,135.67	239,358.64
395	Laboratory Equipment	2,145,336.65	189,367.64
396	Power Operated Equipment	60,528.93	117,501.67
397	Communication Equipment	244,486,723.66	88,931,537.04
398	Miscellaneous Equipment	4,484,346.50	585,204.29
	TOTAL GENERAL PLANT	314,424,379.77	121,760,545.92
101	TOTAL ELECTRIC PLANT	11,883,671,521.44	3,863,701,666.60

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
<b>GAS PLANT</b>			
302	Franchises and Consents	86,104.20	86,104.20
303	Miscellaneous Intangible Plant	0.00	0.00
	<b>TOTAL INTANGIBLE PLANT</b>	<b>86,104.20</b>	<b>86,104.20</b>
360.1	Land	0.00	0.00
361	Structures and Improvements	43,992.02	43,992.02
362.1	Gas Holders	0.00	0.00
362.2	Liquefied Natural Gas Holders	0.00	0.00
363	Purification Equipment	0.00	0.00
363.1	Liquefaction Equipment	0.00	0.00
363.2	Vaporizing Equipment	0.00	0.00
363.3	Compressor Equipment	0.00	0.00
363.4	Measuring and Regulating Equipment	0.00	0.00
363.5	Other Equipment	0.00	0.00
363.6	LNG Distribution Storage Equipment	2,052,614.24	964,581.84
	<b>TOTAL STORAGE PLANT</b>	<b>2,096,606.26</b>	<b>1,008,573.86</b>
365.1	Land	4,649,143.75	0.00
365.2	Land Rights	2,232,291.80	1,337,635.32
366	Structures and Improvements	12,228,213.09	9,749,130.94
367	Mains	212,063,882.02	68,011,342.33
368	Compressor Station Equipment	83,709,593.70	66,992,402.04
369	Measuring and Regulating Equipment	20,861,500.73	16,225,663.29
371	Other Equipment	(181,013.09)	0.00
	<b>TOTAL TRANSMISSION PLANT</b>	<b>335,563,612.00</b>	<b>162,316,173.92</b>
374.1	Land	102,187.24	0.00
374.2	Land Rights	8,239,569.29	6,659,839.47
375	Structures and Improvements	43,446.91	61,253.10
376	Mains	658,276,219.13	352,997,910.42
378	Measuring & Regulating Station Equipment	17,808,618.23	7,535,386.86
380	Distribution Services	253,454,115.48	293,152,964.41
381	Meters and Regulators	157,283,066.75	52,481,684.81
382	Meter and Regulator Installations	92,643,598.15	34,705,122.32
385	Ind. Measuring & Regulating Station Equipment	1,516,810.70	1,157,471.96
386	Other Property On Customers' Premises	0.00	0.00
387	Other Equipment	5,223,271.51	4,902,467.41
	<b>TOTAL DISTRIBUTION PLANT</b>	<b>1,194,590,903.39</b>	<b>753,654,100.76</b>

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
392.1	Transportation Equipment - Autos	0.00	25,503.00
392.2	Transportation Equipment - Trailers	74,500.55	74,500.68
394.1	Portable Tools	8,155,631.79	3,865,715.48
394.2	Shop Equipment	76,864.06	47,717.41
395	Laboratory Equipment	283,093.66	272,724.95
396	Power Operated Equipment	162,284.40	149,377.85
397	Communication Equipment	2,496,030.92	852,710.96
398	Miscellaneous Equipment	157,056.49	57,770.31
	TOTAL GENERAL PLANT	11,405,461.87	5,346,020.64
101	TOTAL GAS PLANT	1,543,742,687.72	922,410,973.38
<b>COMMON PLANT</b>			
303	Miscellaneous Intangible Plant	315,860,381.66	198,478,812.23
350.1	Land	0.00	0.00
360.1	Land	0.00	0.00
389.1	Land	7,168,914.56	0.00
389.2	Land Rights	1,080,961.15	27,776.34
390	Structures and Improvements	334,569,892.00	135,052,124.46
391.1	Office Furniture and Equipment - Other	26,695,638.41	13,331,548.42
391.2	Office Furniture and Equipment - Computer E	51,159,501.34	30,917,421.92
392.1	Transportation Equipment - Autos	33,942.29	(338,930.17)
392.2	Transportation Equipment - Trailers	12,195.98	3,950.55
393	Stores Equipment	63,971.09	47,752.50
394.1	Portable Tools	1,232,026.51	300,114.17
394.2	Shop Equipment	213,047.56	137,387.63
394.3	Garage Equipment	1,096,434.79	161,187.27
395	Laboratory Equipment	1,997,981.54	898,912.90
396	Power Operated Equipment	0.00	(192,979.10)
397	Communication Equipment	192,835,322.47	67,449,231.27
398	Miscellaneous Equipment	2,287,818.69	1,418,683.97
118.1	TOTAL COMMON PLANT	936,308,030.04	447,692,994.36
	TOTAL ELECTRIC PLANT	11,883,671,521.44	3,863,701,666.60
	TOTAL GAS PLANT	1,543,742,687.72	922,410,973.38
	TOTAL COMMON PLANT	936,308,030.04	447,692,994.36
101 & 118.1	TOTAL	14,363,722,239.20	5,233,805,634.34
101	PLANT IN SERV-SONGS FULLY RECOVER	0.00	0.00
101	PLANT IN SERV-ELECTRIC NON-RECON Electric	(2,540,241.64)	0.00

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
101	PLANT IN SERV-ASSETS HELD FOR SALE		
	Electric	0.00	0.00
	Common	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
101	PLANT IN SERV-LEGACY METER RECLASS		
	Electric	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
101	PLANT IN SERV-PP TO SAP OUT OF BAL		
	Electric	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
118	PLANT IN SERV-COMMON NON-RECON		
	Common - Transferred Asset Adjustment	(1,633,319.82)	(1,633,319.82)
		<u>(1,633,319.82)</u>	<u>(1,633,319.82)</u>
101	Accrual for Retirements		
	Electric	(6,398,695.94)	(6,398,695.94)
	Gas	(73,301.91)	(73,301.91)
		<u>(6,471,997.85)</u>	<u>(6,471,997.85)</u>
	TOTAL PLANT IN SERV-ACCRUAL FOR RE		
	Electric	0.00	0.00
	Gas	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
	TOTAL PLANT PURCHASED OR SOLD	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
104	Electric	85,194,000.02	10,784,868.30
	Gas	0.00	0.00
		<u>85,194,000.02</u>	<u>10,784,868.30</u>
	TOTAL PLANT LEASED TO OTHERS		
		<u>85,194,000.02</u>	<u>10,784,868.30</u>
105	Plant Held for Future Use		
	Electric	11,307,727.50	0.00
	Gas	0.00	0.00
		<u>11,307,727.50</u>	<u>0.00</u>
	TOTAL PLANT HELD FOR FUTURE USE		
		<u>11,307,727.50</u>	<u>0.00</u>
107	Construction Work in Progress		
	Electric	550,237,348.56	
	Gas	161,642,662.44	
	Common	65,548,179.58	
		<u>777,428,190.58</u>	<u>0.00</u>
	TOTAL CONSTRUCTION WORK IN PROGRESS		
		<u>777,428,190.58</u>	<u>0.00</u>
108	Accum. Depr SONGS Mitigation/Spent Fuel Disallowance		
	Electric	0.00	0.00
		<u>0.00</u>	<u>0.00</u>

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
108.5	Accumulated Nuclear Decommissioning Electric	0.00	908,970,513.69
	TOTAL ACCUMULATED NUCLEAR DECOMMISSIONING	0.00	908,970,513.69
101.1	ELECTRIC CAPITAL LEASES	837,939,281.00	172,812,856.00
118.1	COMMON CAPITAL LEASE	20,071,932.81	18,803,784.44
		858,011,213.81	191,616,640.44
120	NUCLEAR FUEL FABRICATION	62,963,775.37	40,861,208.00
120	SONGS PLANT CLOSURE-NUCLEAR FUEL	(62,963,775.37)	(40,861,208.00)
143	FAS 143 ASSETS - Legal Obligation	271,718,404.13	(844,124,606.57)
	SONGS Plant Closure - FAS 143 contra	(270,338,553.03)	(61,166,058.00)
	FIN 47 ASSETS - Non-Legal Obligation	69,819,775.07	29,177,883.96
143	FAS 143 ASSETS - Legal Obligation	0.00	(1,371,078,441.35)
	TOTAL FAS 143	71,199,626.17	(2,247,191,221.96)
	UTILITY PLANT TOTAL	16,156,217,437.97	4,089,881,117.14

# **Attachment E**

**San Diego Gas & Electric Company**

**Summary of Earnings**

**SAN DIEGO GAS & ELECTRIC COMPANY  
SUMMARY OF EARNINGS  
NINE MONTHS ENDED SEPTEMBER 30, 2015  
(DOLLARS IN MILLIONS)**

<u>Line No.</u>	<u>Item</u>	<u>Amount</u>
1	Operating Revenue	\$3,613
2	Operating Expenses	<u>3,073</u>
3	Net Operating Income	<u><u>\$540</u></u>
4	Weighted Average Rate Base	\$4,471
5	Rate of Return*	7.79%

\*Authorized Cost of Capital

# **Attachment F**

## **Service List of City, County and State Officials**



State of California  
Attorney General's Office  
P.O. Box 944255  
Sacramento, CA 94244-2550

Naval Facilities Engineering  
Command  
Navy Rate Intervention  
1314 Harwood Street SE  
Washing Navy Yard, DC 20374

City of Carlsbad  
Attn. City Attorney  
1200 Carlsbad Village Drive  
Carlsbad, CA 92008-19589

City of Chula Vista  
Attn. City Attorney  
276 Fourth Ave  
Chula Vista, Ca 91910-2631

City of Dana Point  
Attn. City Attorney  
33282 Golden Lantern  
Dana Point, CA 92629

City of Del Mar  
Attn. City Clerk  
1050 Camino Del Mar  
Del Mar, CA 92014

City of Encinitas  
Attn. City Attorney  
505 S. Vulcan Ave.  
Encinitas, CA 92024

City of Escondido  
Attn. City Attorney  
201 N. Broadway  
Escondido, CA 92025

City of Imperial Beach  
Attn. City Clerk  
825 Imperial Beach Blvd  
Imperial Beach, CA 92032

City of Laguna Beach  
Attn. City Clerk  
505 Forest Ave  
Laguna Beach, CA 92651

State of California  
Attn. Director Dept of General  
Services  
PO Box 989052  
West Sacramento, CA 95798-9052

Alpine County  
Attn. County Clerk  
99 Water Street, P.O. Box 158  
Markleeville, CA 96120

City of Carlsbad  
Attn. Office of the County Clerk  
1200 Carlsbad Village Drive  
Carlsbad, CA 92008-19589

City of Coronado  
Attn. Office of the City Clerk  
1825 Strand Way  
Coronado, CA 92118

City of Dana Point  
Attn. City Clerk  
33282 Golden Lantern  
Dana Point, CA 92629

City of El Cajon  
Attn. City Clerk  
200 Civic Way  
El Cajon, CA 92020

City of Encinitas  
Attn. City Clerk  
505 S. Vulcan Ave.  
Encinitas, CA 92024

City of Fallbrook  
Chamber of Commerce  
Attn. City Clerk  
111 S. Main Avenue  
Fallbrook, CA 92028

City of Imperial Beach  
Attn. City Attorney  
825 Imperial Beach Blvd  
Imperial Beach, CA 92032

City of Laguna Beach  
Attn. City Attorney  
505 Forest Ave  
Laguna Beach, CA 92651

United States Government  
General Services Administration  
300 N. Los Angeles  
Los Angeles, CA 90012

Borrego Springs Chamber of  
Commerce Attn. City Clerk  
786 Palm Canyon Dr  
PO Box 420  
Borrego Springs CA 92004-0420

City of Chula Vista  
Attn: Office of the City Clerk  
276 Fourth Avenue  
Chula Vista, California 91910-2631

City of Coronado  
Attn. City Attorney  
1825 Strand Way  
Coronado, CA 92118

City of Del Mar  
Attn. City Attorney  
1050 Camino Del Mar  
Del Mar, CA 92014

City of El Cajon  
Attn. City Attorney  
200 Civic Way  
El Cajon, CA 92020

City of Escondido  
Attn. City Clerk  
201 N. Broadway  
Escondido, CA 92025

City of Fallbrook  
Chamber of Commerce  
Attn. City Attorney  
111 S. Main Avenue  
Fallbrook, CA 92028

Julian Chamber of Commerce  
P.O. Box 1866  
2129 Main Street  
Julian, CA

City of Laguna Niguel  
Attn. City Attorney  
30111 Crown Valley Parkway  
Laguna Niguel, California 92677

City of Laguna Niguel  
Attn. City Clerk  
30111 Crown Valley Parkway  
Laguna Niguel, California 92677

City of Lakeside  
Attn. City Clerk  
9924 Vine Street  
Lakeside CA 92040

City of La Mesa  
Attn. City Attorney  
8130 Allison Avenue  
La Mesa, CA 91941

City of La Mesa  
Attn. City Clerk  
8130 Allison Avenue  
La Mesa, CA 91941

City of Lemon Grove  
Attn. City Clerk  
3232 Main St.  
Lemon Grove, CA 92045

City of Lemon Grove  
Attn. City Attorney  
3232 Main St.  
Lemon Grove, CA 92045

City of Mission Viejo  
Attn: City Clerk  
200 Civic Center  
Mission Viejo, CA 92691

City of Mission Viejo  
Attn: City Attorney  
200 Civic Center  
Mission Viejo, CA 92691

City of National City  
Attn. City Clerk  
1243 National City Blvd  
National City, CA 92050

City of National City  
Attn. City Attorney  
1243 National City Blvd  
National City, CA 92050

City of Oceanside  
Attn. City Clerk  
300 N. Coast Highway  
Oceanside, CA 92054-2885

City of Oceanside  
Attn. City Attorney  
300 N. Coast Highway  
Oceanside, CA 92054-2885

County of Orange  
Attn. County Counsel  
P.O. Box 1379  
Santa Ana, CA 92702

County of Orange  
Attn. County Clerk  
12 Civic Center Plaza, Room 101  
Santa Ana, CA 92701

City of Poway  
Attn. City Clerk  
P.O. Box 789  
Poway, CA 92064

City of Poway  
Attn. City Attorney  
P.O. Box 789  
Poway, CA 92064

City of Ramona  
Attn. City Clerk  
960 Main Street  
Ramona, CA 92065

City of Ramona  
Attn. City Attorney  
960 Main Street  
Ramona, CA 92065

City of San Diego  
Attn. Mayor  
202 C Street, 11<sup>th</sup> Floor  
San Diego, CA 92101

City of San Clemente  
Attn. City Clerk  
100 Avenida Presidio  
San Clemente, CA 92672

City of San Clemente  
Attn. City Attorney  
100 Avenida Presidio  
San Clemente, CA 92672

County of San Diego  
Attn. County Counsel  
1600 Pacific Hwy  
San Diego, CA 92101

County of San Diego  
Attn. County Clerk  
P.O. Box 121750  
San Diego, CA 92101

City of San Diego  
Attn. City Attorney  
1200 Third Ave.  
Suite 1620  
San Diego, CA 92101

City of San Diego  
Attn. City Clerk  
202 C Street, 2<sup>nd</sup> Floor  
San Diego, CA 92101

City of San Marcos  
Attn. City Attorney  
1 Civic Center Dr.  
San Marcos, CA 92069

City of San Marcos  
Attn. City Clerk  
1 Civic Center Dr.  
San Marcos, CA 92069

City of Santee  
Attn. City Clerk  
10601 Magnolia Avenue  
Santee, CA 92071

City of Santee  
Attn. City Attorney  
10601 Magnolia Avenue  
Santee, CA 92071

City of Solana Beach  
Attn. City Attorney  
635 S. Highway 101  
Solana Beach, CA 92075

Spring Valley Chamber of  
Commerce  
Attn. City Clerk  
3322 Sweetwater Springs Blvd,  
Ste. 202  
Spring Valley, CA 91977-3142

Valley Center Chamber of  
Commerce  
Attn. City Clerk  
P.O. Box 8  
Valley Center, CA 92082

City of Vista  
Attn. City Attorney  
200 Civic Center Drive, Bldg. K  
Vista, CA 92084

City of Vista  
Attn. City Clerk  
200 Civic Center Drive  
Vista, CA 92084

City of Aliso Viejo  
12 Journey  
Aliso Viejo, CA 92656

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Application of San Diego Gas & Electric Company  
(U 902 E) for Approval of Energy Storage and Energy  
Efficiency Contracts Arising from the Track IV Local  
Capacity Requirement All Source Request for Offers

Application 16-03-\_\_\_\_\_  
(Filed March 30, 2016)

**CERTIFICATE OF SERVICE**

I hereby certify that a copy of the foregoing **APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 E) FOR APPROVAL OF ENERGY STORAGE AND ENERGY EFFICIENCY CONTRACTS ARISING FROM THE TRACK IV LOCAL CAPACITY REQUIREMENT ALL SOURCE REQUEST FOR OFFERS** has been served on each party of record on the service list in R.12-03-014 (OIR to Integrate and Refine Procurement Policies and Consider Long-Term Procurement Plans) by electronic service. Hard copies will be sent by overnight mail to the Assigned ALJ in R.12-03-014 and the Chief ALJ.

Dated at San Diego, California, this 30th day of March, 2016.

\_\_\_\_\_  
/s/ Lisa Fucci-Ortiz  
LISA FUCCI-ORTIZ