

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

Application of San Diego Gas & Electric  
Company (U 902-E) for Approval of the  
Results from Its 2016 Track IV Local  
Capacity Requirement Preferred Resources  
Request for Offers.

Application 17-04-\_\_\_\_  
(Filed April 19, 2017)

**APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902-E) FOR  
APPROVAL OF THE RESULTS FROM ITS 2016 TRACK IV LOCAL CAPACITY  
REQUIREMENT PREFERRED RESOURCES REQUEST FOR OFFERS**

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April 19, 2017

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

Application of San Diego Gas & Electric Company (U 902-E) for Approval of the Results from Its 2016 Track IV Local Capacity Requirement Preferred Resources Request for Offers.

Application 17-04-\_\_\_\_\_  
(Filed April 18, 2017)

**APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902-E) FOR  
APPROVAL OF THE RESULTS FROM ITS 2016 TRACK IV LOCAL CAPACITY  
REQUIREMENT PREFERRED RESOURCES REQUEST FOR OFFERS**

Pursuant to Article 2 of the Commission’s Rules of Practice and Procedure, Decision (“D.”)14-03-004,<sup>1</sup> and an approved preferred resources procurement plan,<sup>2</sup> San Diego Gas & Electric Company (“SDG&E”) submits this application seeking approval and cost recovery for six resources: three third-party energy storage resources, two utility owned energy storage resources and one Demand Response (“DR”) resource that resulted from SDG&E’s 2016 Track IV Preferred Resources Local Capacity Requirements Request for Offers (“Preferred Resources LCR RFO”).

**I. INTRODUCTION AND SUMMARY**

This application seeks approval of six contracts to help meet the local capacity need identified for SDG&E in the Track IV Decision. As explained below, and in the prepared direct testimony submitted in support of this application, the resources for which approval is sought

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<sup>1</sup> *Decision Authorizing Long-term Procurement for Local Capacity Requirements due to Permanent Retirement of the San Onofre Nuclear Generations Stations* [sic] (“Track IV Decision”), ordering paragraphs (“OP”) 2 and 7.

<sup>2</sup> *SDG&E LTPP/Track 4 Procurement Plan (Preferred Resources)* submitted July 18, 2014, *approved*, letter dated July 22, 2014, Edward F. Randolph, Director, Energy Division, to Dan Baerman (Attachments D and F to the testimony of Patrick K. Charles).

All references to witness testimony herein are to the prepared direct testimony in support of this application served concurrently herewith.

provide continued electric grid reliability to all electric customers in SDG&E's service territory for the duration of the contracts, and fill local capacity ("in-basin") need. In addition to enhancing reliability, these resources will enable SDG&E to effectively integrate greater levels of renewable power on the grid. Because SDG&E customers already receive over 40 percent of their energy from renewable sources, this integration ability is essential. As we look to the future, further development in the energy storage sector will bolster state efforts to reduce greenhouse gas emissions, and, in particular, this application's utility owned energy storage projects underpin our commitment to moving this market and technology forward. Most importantly, the Preferred Resources LCR RFO sought the most cost-effective resources to meet customer needs and Commission requirements, and where possible, leveraged resources for multiple mandates to maximize ratepayer value.

**A. Contents of this application**

This application includes a summary of the projects and contracts for which the approvals are sought, and the information to satisfy the Commission's procedural and statutory requirements for applications under Articles 2 and 3 of the Commission's rules.

In addition, in support of this application, SDG&E has served concurrently herewith the following prepared direct testimony:

- Kendall Helm – overview and policy justification
- Patrick K. Charles – procurement process, third-party storage
- E Bradford Mantz – demand response
- Scot Rolfe – evaluation
- Joshua Gerber – utility owned storage
- Jeffrey Shaughnessy – cost recovery and ratemaking

- Michael R. Woodruff – revenue requirements for utility owned storage

Certain portions of the foregoing testimony refer to confidential procurement information, including the contracts for which this application seeks approval. Section III below addresses the treatment of such confidential information in conformance with applicable Commission decisions.

Finally, this application has an executed verification as required by Rule 2.1 immediately following the signature page.

## **B. Basis for this application**

The early retirement of San Onofre Nuclear Generating Station (“SONGS”) left SDG&E’s service territory with a need for local resource capacity.<sup>3</sup> Replacing the capacity from SONGS is not a simple endeavor; SONGS is located in a critical spot straddling Southern California Edison Company (“SCE”) and SDG&E’s service territories, providing energy, capacity and ancillary services to both service territories.<sup>4</sup> In order to ensure continued regional safety and reliability, SDG&E has sought cost-effective resources to meet the local capacity need identified in the Track IV Decision and to further California’s energy goals of reducing greenhouse gas emissions.

The Track IV Decision authorized SDG&E to procure a total of 500-800 megawatts (“MW”) of capacity by the end of 2021 to meet this in-basin need.<sup>5</sup> This decision required SDG&E to procure at least 25 MW of capacity from energy storage resources and, consistent

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<sup>3</sup> Track IV Decision at 22.

<sup>4</sup> *Id.*

<sup>5</sup> *Id.* at OP 2.

with the Loading Order of the Energy Action Plan,<sup>6</sup> to procure at least 175 MW of capacity from preferred resources or energy storage.<sup>7</sup> SDG&E is authorized to procure through RFO processes and by executing bilateral contracts.<sup>8</sup>

In SDG&E's approved Track IV Procurement Plan,<sup>9</sup> SDG&E stated that it would consider energy storage procured in response to the Track IV Decision toward both local capacity requirements and SDG&E's energy storage mandate.<sup>10</sup> To be consistent with procurement requirements under the energy storage mandate, the Track IV Procurement Plan also provides that SDG&E would consider both third-party and utility owned energy storage offers in the Preferred Resources LCR RFO. SDG&E is authorized to procure utility owned energy storage resources, provided they are considered with third-party owned energy storage resources in a fair and consistent manner.<sup>11</sup> As detailed in the testimony of Patrick K. Charles and Scot Rolfe, SDG&E assessed energy storage offers fairly and consistently by selecting the least-cost-best-fit offers and by relying on oversight of the Independent Evaluator, its

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<sup>6</sup> See, [http://www.energy.ca.gov/energy\\_action\\_plan/2005-09-21\\_EAP2\\_FINAL.PDF](http://www.energy.ca.gov/energy_action_plan/2005-09-21_EAP2_FINAL.PDF), p. 2. Energy Action Plan II, issued September 21, 2005, describes the loading order, or priority sequencing, of energy resources to meet increasing energy needs. These are: energy efficiency, demand response, renewable resources, distributed generation and combined heat and power. To the extent these resources are unable to satisfy the need, clean and efficient fossil-fired generation is listed as the final option.

<sup>7</sup> D.14-03-004 at OP 2; see also "The Loading Order established that the state, in meeting its energy needs, would invest first in energy efficiency and demand-side resources, followed by renewable resources, and only then in clean conventional electricity supply." *Id.* at 14, citing Energy Action Plan 2008 Update at 1.

<sup>8</sup> D.14-03-004 at OP 3, 6.

<sup>9</sup> Approved by letters dated July 17 and 22, 2014, Edward F. Randolph, Director, Energy Division, to Dan Baerman (see Attachments E and F to testimony of Patrick K. Charles).

<sup>10</sup> *Id.*; D.13-10-040 at 33-34; D.14-03-004 at 61 and OP 2; and Resolution E-4791 at 10.

<sup>11</sup> See D.13-10-040 Appendix A, section 1, at 4-5.

Procurement Review Group, and adhering to a strict code of conduct that defined roles for the bid evaluation and cost development teams and others who managed and provided oversight for these teams.<sup>12</sup>

Regarding Track IV procurement progress, D.15-05-051 (“Carlsbad Decision”) approved SDG&E’s application<sup>13</sup> for local capacity from a purchase power tolling agreement (“PPTA”) with Carlsbad Energy Center, LLC. The Commission conditionally approved the Carlsbad PPTA, subject to submittal of an amended PPTA, for 500 MW (the Carlsbad application requested 600 MW) and stated that “all of the 100 MW in residual procurement authority must consist of preferred resources or energy storage.”<sup>14</sup> The Carlsbad Decision did not increase the minimum requirement of 175 MW for preferred resources or energy storage from the Track IV authorization, but simply clarified that the remaining procurement authority resulting from the reduction of the Carlsbad PPTA be limited to the procurement of preferred resources or energy storage.

In addition to the Carlsbad PPTA, SDG&E received Commission approval for several other projects that provide in-basin capacity. In August 2016, the Commission approved 37.5 MW of energy storage resources procured in response to Resolution E-4791 to count toward SDG&E’s local capacity and energy storage requirement.<sup>15</sup> In December 2016, the Commission

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<sup>12</sup> Testimony of Patrick K. Charles at PKC-15 –17 and testimony of Scot Rolfe at SR-1 – 2.

<sup>13</sup> Application (“A.”) 14-07-009, approved May 21, 2015, *upheld in pertinent part on rehearing*, D.15-11-024.

<sup>14</sup> D.15-05-051 at OP 1-2. The Carlsbad Decision defines preferred resources as energy efficiency, demand response and renewable resources. *Id.* at 2.

<sup>15</sup> Resolution E-4791 (May 26, 2016) instructs SDG&E and SCE to seek expedited energy storage projects to mitigate potential electric system reliability and other issues arising from partial shutdown of the Aliso Canyon natural gas storage facility. SDG&E Advice Letter (“AL”) 2924-E (July 18,



approved an 18.5 MW Energy Efficiency (“EE”) contract resulting from SDG&E’s 2014 all source RFO.<sup>16</sup> In all cases, SDG&E has selected safe and reliable contracts based on market conditions and the need to make continued progress toward meeting multiple requirements.

With respect to the Preferred Resources LCR RFO that resulted in the resources for which this application seeks approval, the major milestones in the procurement process included: 1) issuance of the RFO on February 26, 2016, 2) the closing date (or date upon which the offers were due) on July 1, 2016, 3) shortlist notification on October 28, 2016, and 4) the contract execution dates (on or about March 30, 2017).

This application seeks approval of six resources resulting from the Preferred Resources LCR RFO that will provide 88 MW of energy storage and demand response in furtherance of SDG&E’s Track IV requirement, which will provide continued improved grid reliability and stability. The approximate total cost of the six contracts over their respective contract terms is \$235 million (this does not include certain items including franchise fees and uncollectibles).

### **C. RFO results summary**

#### **1. Results**

A summary of the resources selected in the Preferred Resources LCR RFO is provided below in Table 1. Details regarding the procurement process and the third-party energy storage contracts are provided in the testimony of Patrick K. Charles. Details regarding the utility-owned energy storage contracts are provided in the testimony of Joshua Gerber. Details regarding the DR contract are provided in the testimony of E Bradford Mantz. The contracts for each such resource have been included as attachments to testimony addressing each as described

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2016) sought approval of 37.5 MW of energy storage resources to count toward local capacity and energy storage mandates (*approved*, Resolution E-4798, effective August 18, 2016).

<sup>16</sup> D.16-12-041 at OP 1.

above, and have been served in public (redacted) and confidential versions in accordance with the provisions of D.06-06-066.

**Table 1**  
**2016 Preferred Resources LCR RFO Contracts**

<b>Product Category</b>	<b>ProductType</b>	<b>Counterparty</b>	<b>Commercial Operation Deadline</b>	<b>Term (yrs.)</b>	<b>MW (Avg. Contract Capacity)</b>
Energy Storage	EPC <sup>17</sup>	RES Americas Construction, Inc.	March 31, 2019	20	30
Energy Storage	BOT <sup>18</sup>	AES Energy Storage, LLC	March 31, 2021	20	40
Energy Storage	PPTA <sup>19</sup>	Enel Green Power North America, Inc.	December 31, 2021	15	3
Energy Storage	PPTA	Advanced Microgrid Solutions, Inc.	December 1, 2019	20	4
Energy Storage	PPTA	Powin Energy	June 30, 2021	10	6.5
Demand Response	DR	Ohmconnect, Inc.	January 1, 2018	5	4.5
<b>Total Preferred Resources and Energy Storage</b>					<b>88</b>

## 2. Revenue requirement and cost recovery

This application seeks approval for full recovery in rates of approximately \$235 million representing the costs of the six contracts over their respective contract terms (excluding franchise fees and uncollectibles). As described in the testimony of Michael R. Woodruff, the

<sup>17</sup> “EPC” refers to Engineering Procurement Construction.

<sup>18</sup> “BOT” refers to Build-Own-Transfer.

<sup>19</sup> “PPTA” refers to Power Purchase Tolling Agreement.

approximate CPUC-jurisdictional revenue requirement associated with the two utility owned energy storage projects totals \$207 million.

As described in the testimony of Jeffrey Shaughnessy, SDG&E proposes to recover the net costs associated with the energy storage resources through its Local Generation Charge on a non-bypassable basis from all customers, including bundled service, Direct Access and Community Choice Aggregation customers, on an equal per kilowatt-hour basis by customer class, consistent with the Commission-approved Cost Allocation Mechanism (“CAM”), and that such recovery be addressed in future Energy Resource Recovery Account (“ERRA”) forecast proceedings. For the DR resource, SDG&E proposes to recover the costs through the distribution component in the AMDRMA<sup>20</sup> consistent with current recovery of DR costs, and that such recovery be implemented through future Annual Electric Regulatory Account Update Advice Letters.

**3. The selection process for utility owned energy storage was robust and fair**

SDG&E selected two utility owned energy storage projects in the RFO, comprising a total of 70 MW, as shown in the first two rows of Table 1. In the RFO, SDG&E received approximately 240 energy-storage bids, from both utility owned and third-party owned projects. Among the more cost-competitive bids received, there were several very large projects that SDG&E did not select because they would concentrate risk in our energy storage portfolio.

The evaluation process for utility owned energy storage project offers was conducted in a fair and consistent manner to ensure that viable projects and cost-effective resources were selected that meet local reliability needs. To ensure that the economic assessment was robust, all

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<sup>20</sup> Amortization for Advanced Metering and Demand Response Memorandum Account.

energy storage bids were evaluated without regard to project ownership. To ensure the RFO process in its entirety was conducted in a fair and consistent manner, SDG&E relied on oversight of the Independent Evaluator, its Procurement Review Group, and adhered to a strict code of conduct. Additional details on the fair and consistent process SDG&E followed are provided in the testimony of Joshua Gerber and Patrick K. Charles.

SDG&E selected the two utility owned projects for the value they provide as shown by the results of the least-cost, best-fit analysis detailed in the testimony of Scot Rolfe. These resources had high quantitative values, even before the consideration of qualitative benefits, and provide ratepayers with an average net market value that is approximately 45% greater than the average of the third-party owned energy storage projects.<sup>21</sup> One contributing factor to this result is that with utility owned energy storage, customers automatically receive all the value that remains from the project upon completion of the capacity guarantee period. This “residual value” is a real and material economic benefit that is reflected and embedded in the net market value results.<sup>22</sup>

With approval of these resources, SDG&E will have substantially met its Track IV target, having procured 644 MW of the authorize minimum of 700 MW.<sup>23</sup>

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<sup>21</sup> Values are relative to the zero net market value benchmark. Additional details on the net market value analysis are provided in the testimony of Scot Rolfe.

<sup>22</sup> Details on the residual values of the utility owned projects are provided in the testimony of Joshua Gerber.

<sup>23</sup> The 644 MW results from the addition of 144 MW detailed in the testimony of Patrick K. Charles (n. 10, PKC-3) and the 500 MW from the Carlsbad Energy Center contract.

## II. STATUTORY AND PROCEDURAL REQUIREMENTS

### A. Rule 2.1(a) – (c)

In accordance with Rules 2.1(a) – (c) of the Commission’s Rules and 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. The exact legal name of the applicant is San Diego Gas & Electric Company. SDG&E’s principal place of business is 8330 Century Park Court, San Diego, California 92123. SDG&E’s attorney in this matter is E. Gregory Barnes.

#### 2. Rule 2.1(b) – Correspondence

Correspondence or communications regarding this application should be addressed to

E. Gregory Barnes  
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San Diego Gas & Electric Company  
8330 Century Park Court, CP32D  
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#### 3. Rule 2.1(c) – categorization, hearings and schedule and relevant safety considerations

##### a. Proposed Category of Proceeding

Pursuant to Rule 7.1, SDG&E requests that this application be categorized as ratesetting as defined in Rule 1.3(e), as the most appropriate of the available categories

##### b. Need for hearings

SDG&E submits that the need for evidentiary hearings on this application, and the issues to be considered in such hearings, will depend in large part on the degree to which other parties

contest the application, and the extent to which the issues raised may require cross-examination of witnesses. The need for hearings will ultimately be determined by the assigned Administrative Law Judge(s).

**c. Issues to be considered, including relevant safety considerations**

The issues to be considered are whether the Commission should approve the contracts and projects resulting from the Preferred Resources LCR RFO as in the public interest, along with the associated revenue requirements. Relevant safety considerations implicated by this application are discussed in the testimony of Patrick K. Charles, E Bradford Mantz and Joshua Gerber served concurrently with this application.

**d. Proposed schedule**

<u>EVENT</u>	<u>DATE</u>
Application filed	April 18, 2017
Protests or Responses/Replies filed	+30 days from Daily Calendar /+15 days
Prehearing conference	May, 2017
Parties' comments (testimony if needed)	June 30, 2017
Reply Comments (rebuttal testimony if needed)	July 21, 2017
Discovery cutoff	August 18, 2017
Evidentiary hearings (if needed)	August 24-25, 2017
Concurrent opening briefs	September 22, 2017
Concurrent reply briefs	October 9, 2017
Proposed decision	November 2017
Commission decision	December 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 previously filed with the Commission on September 10, 2014, in connection with SDG&E’s A.14-09-008, and is incorporated herein by reference.

**C. Rule 3.2 – Authority to Change Rates**

In accordance with Rule 3.2 (a) – (d) of the Commission’s Rules of Practice and Procedure, SDG&E provides the following information.<sup>24</sup>

**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, 2016 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 on SDG&E’s website.

Attachment B to this application provides the current table of contents from SDG&E’s electric tariffs on file with the Commission.

**3. Rule 3.2(a)(3) – Statement of Proposed Rate Change**

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

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<sup>24</sup> Note that Rule 3.2(a) (9) does not apply to SDG&E.

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 nine-month period ending September 30, 2016, is shown on the Statement of Original Cost and Depreciation Reserve included in 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 nine-month period ending September 30, 2016, is included as Attachment E to this application.

**6. Rule 3.2(a)(7) – Statement Regarding 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 24, 2017, was mailed to the Commission on April 10, 2017, and is incorporated herein by reference.

**8. Rule 3.2(a)(10) – Statement re Pass Through to Customers**

Any rate increase reflected in this application passes through to customers only increased costs to SDG&E for the services or commodities furnished by it.

**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 will, within twenty days after the filing of this application, 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 will, within 45 days after the filing of this application, 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 rate changes addressed in this application.

### **III. CONFIDENTIAL INFORMATION**

SDG&E is submitting the testimony supporting this application in both public (redacted) and non-public (unredacted and confidential) versions, consistent with SDG&E's declarations of confidential treatment attached to certain of the testimony supporting this application, and submitted in conformance with D.06-06-066 and D.08-04-023. 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.

### **IV. SERVICE**

This is a new application. No service list has been established. Accordingly, SDG&E will serve this application, testimony and related exhibits on parties to the service list for Rulemaking ("R.") 13-09-011, R.14.10-010, R.15-03-011, and R.16-02-007. Hard copies will be sent via FedEx to Chief Administrative Law Judge Karen V. Clopton.

### **V. RELIEF REQUESTED**

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

1. Approving the application in its entirety;
2. Approving the Preferred Resources LCR RFO and SDG&E's conduct with respect to the RFO as reasonable;
3. Approving the six contracts that resulted from SDG&E's Preferred Resources LCR RFO: three third-party energy storage resources, two utility owned energy storage resources and one DR resource;
4. Finding the prices and terms of the six contracts submitted here as just and reasonable, including the cost of approximately \$235 million for the six contracts

over their respective contract terms as described in the testimony (which includes a CPUC-jurisdictional revenue requirement of \$207 million for the two utility owned storage projects);

5. Granting full cost recovery in rates, as requested by SDG&E; specifically, recovery of the net costs associated with the energy storage resources through its Local Generation Charge on a non-bypassable basis from all customers, including bundled service, Direct Access and Community Choice Aggregation customers, on an equal per kilowatt-hour basis by customer class, consistent with the Commission-approved CAM, and that such recovery be addressed in future ERRR forecast proceedings. For the DR resource, SDG&E proposes to recover the costs through the distribution component in the AMDRMA consistent with current recovery of DR costs, and that such recovery be implemented through future Annual Electric Regulatory Account Update Advice Letters.
6. Granting such other relief as necessary and proper.

## VI. CONCLUSION

WHEREFORE, SDG&E requests that the Commission grant SDG&E's application, as described herein and as described in the supporting prepared testimony served concurrently herewith, including approval of the six resource contracts and associated cost recovery.

Respectfully submitted,

/s/ E. Gregory Barnes

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April 19, 2017

## 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 THE RESULTS FROM ITS 2016 TRACK IV LOCAL CAPACITY REQUIREMENT PREFERRED RESOURCES 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 18<sup>th</sup> day of April, 2017, at San Diego, California.

/s/ EMILY C. SHULTS

Emily C. Shults  
Vice President – Energy Procurement  
San Diego Gas & Electric Company

# **ATTACHMENT A**

## **Financials, Balance Sheet, Income Statement**

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**FINANCIAL STATEMENT**  
**Sep 30, 2016**

<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. 93-09-069,04-01-009, 06-05-015, 08-07-029, 10-10-023, 12-03-005, and 15-08-011 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 2015
<b>First Mortgage Bonds:</b>				
Var% Series OO, due 2027	12-01-92	0	0	7,002,188
5.875% Series WW, due 2034	06-17-04	40,000,000	40,000,000	2,350,000
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
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	2,650,187
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	522,662
1.9140% Series PPP, due 2022	03-12-15	64,095,275	64,095,275	1,847,542
2.50% Series QQQ, due 2026	05-19-16	500,000,000	500,000,000	-
<b>Total 1st. Mortgage Bonds:</b>			<b>4,216,600,275</b>	<b>170,265,647</b>
1.050% Commercial Paper	11-19-15	53,650,000	53,650,000	18,777
<b>TOTAL LONG-TERM DEBT</b>			<b>4,270,250,275</b>	

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**FINANCIAL STATEMENT**  
**Sep 30, 2016**

Other Indebtedness:	Date of Issue	Date of Maturity	Interest Rate	Outstanding	Interest Paid 2016
Commercial Paper & ST Bank	Various	Various	Various	-	\$212,386

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					
		2012	2013	2014	2015	2016
5.00%	-	\$375,000	\$281,250	-	-	-
4.50%	-	270,000	202,500	-	-	-
4.40%	-	286,000	214,500	-	-	-
4.60%	-	343,868	257,901	-	-	-
1.70%	-	2,380,000	1,785,000	-	-	-
1.82%	-	1,164,800	873,600	-	-	-
<b>Total</b>	-	<b>\$4,819,668</b>	<b>\$3,614,751</b>	-	-	-

Common Stock	2012	2013	2014	2015	2016
[1]	-	-	\$200,000,000	300,000,000	175,000,000

**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, 2016 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, 2016**

	<b>1. UTILITY PLANT</b>	<u>2016</u>
101	UTILITY PLANT IN SERVICE	\$15,207,919,704
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	971,631,842
108	ACCUMULATED PROVISION FOR DEPRECIATION OF UTILITY PLANT	(4,813,786,126)
111	ACCUMULATED PROVISION FOR AMORTIZATION OF UTILITY PLANT	(618,159,664)
114	ELEC PLANT ACQUISITION ADJ	3,750,722
115	ACCUM PROVISION FOR AMORT OF ELECTRIC PLANT ACQUIS ADJ	(1,187,728)
118	OTHER UTILITY PLANT	1,085,541,058
119	ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF OTHER UTILITY PLANT	(264,789,245)
120	NUCLEAR FUEL - NET	-
	<b>TOTAL NET UTILITY PLANT</b>	<u>11,667,422,291</u>
	<b>2. OTHER PROPERTY AND INVESTMENTS</b>	
121	NONUTILITY PROPERTY	5,946,616
122	ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION	(364,300)
158	NON-CURRENT PORTION OF ALLOWANCES	183,299,834
123	INVESTMENTS IN SUBSIDIARY COMPANIES	-
124	OTHER INVESTMENTS	-
125	SINKING FUNDS	-
128	OTHER SPECIAL FUNDS	1,067,734,851
175	LONG-TERM PORTION OF DERIVATIVE ASSETS	<u>89,061,624</u>
	<b>TOTAL OTHER PROPERTY AND INVESTMENTS</b>	<u>1,345,678,625</u>

Data from SPL as of Dec 21, 2016



**SAN DIEGO GAS & ELECTRIC COMPANY**  
**BALANCE SHEET**  
**ASSETS AND OTHER DEBITS**  
**September 30, 2016**

<b>3. CURRENT AND ACCRUED ASSETS</b>		2016
131	CASH	3,225,697
132	INTEREST SPECIAL DEPOSITS	-
134	OTHER SPECIAL DEPOSITS	-
135	WORKING FUNDS	500
136	TEMPORARY CASH INVESTMENTS	-
141	NOTES RECEIVABLE	-
142	CUSTOMER ACCOUNTS RECEIVABLE	291,510,593
143	OTHER ACCOUNTS RECEIVABLE	17,281,917
144	ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS	(3,867,475)
145	NOTES RECEIVABLE FROM ASSOCIATED COMPANIES	107,624,758
146	ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES	666,036
151	FUEL STOCK	693,732
152	FUEL STOCK EXPENSE UNDISTRIBUTED	-
154	PLANT MATERIALS AND OPERATING SUPPLIES	107,137,915
156	OTHER MATERIALS AND SUPPLIES	-
158	ALLOWANCES	202,233,571
158	LESS: NON-CURRENT PORTION OF ALLOWANCES	(183,299,834)
163	STORES EXPENSE UNDISTRIBUTED	-
164	GAS STORED	245,036
165	PREPAYMENTS	163,737,656
171	INTEREST AND DIVIDENDS RECEIVABLE	713,396
173	ACCRUED UTILITY REVENUES	70,730,000
174	MISCELLANEOUS CURRENT AND ACCRUED ASSETS	5,230,284
175	DERIVATIVE INSTRUMENT ASSETS	111,852,857
175	LESS: LONG -TERM PORTION OF DERIVATIVE INSTRUMENT ASSETS	(89,061,624)
	<b>TOTAL CURRENT AND ACCRUED ASSETS</b>	<b>806,655,015</b>
<b>4. DEFERRED DEBITS</b>		
181	UNAMORTIZED DEBT EXPENSE	33,259,838
182	UNRECOVERED PLANT AND OTHER REGULATORY ASSETS	3,271,977,857
183	PRELIMINARY SURVEY & INVESTIGATION CHARGES	174,137
184	CLEARING ACCOUNTS	1,810,748
185	TEMPORARY FACILITIES	-
186	MISCELLANEOUS DEFERRED DEBITS	25,469,365
188	RESEARCH AND DEVELOPMENT	-
189	UNAMORTIZED LOSS ON REACQUIRED DEBT	12,805,692
190	ACCUMULATED DEFERRED INCOME TAXES	276,823,237
	<b>TOTAL DEFERRED DEBITS</b>	<b>3,622,320,874</b>
	<b>TOTAL ASSETS AND OTHER DEBITS</b>	<b>17,442,076,805</b>

Data from SPL as of Dec 21, 2016

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**BALANCE SHEET**  
**LIABILITIES AND OTHER CREDITS**  
**September 30, 2016**

**5. PROPRIETARY CAPITAL**

		2016
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	(4,159,610,448)
219	ACCUMULATED OTHER COMPREHENSIVE INCOME	7,454,042
	TOTAL PROPRIETARY CAPITAL	(5,489,957,507)

**6. LONG-TERM DEBT**

221	BONDS	(4,348,934,000)
223	ADVANCES FROM ASSOCIATED COMPANIES	-
224	OTHER LONG-TERM DEBT	(53,652,271)
225	UNAMORTIZED PREMIUM ON LONG-TERM DEBT	-
226	UNAMORTIZED DISCOUNT ON LONG-TERM DEBT	10,844,745
	TOTAL LONG-TERM DEBT	(4,391,741,526)

**7. OTHER NONCURRENT LIABILITIES**

227	OBLIGATIONS UNDER CAPITAL LEASES - NONCURRENT	(599,278,895)
228.2	ACCUMULATED PROVISION FOR INJURIES AND DAMAGES	(27,487,869)
228.3	ACCUMULATED PROVISION FOR PENSIONS AND BENEFITS	(231,535,407)
228.4	ACCUMULATED MISCELLANEOUS OPERATING PROVISIONS	-
244	LONG TERM PORTION OF DERIVATIVE LIABILITIES	(189,242,492)
230	ASSET RETIREMENT OBLIGATIONS	(830,185,747)
	TOTAL OTHER NONCURRENT LIABILITIES	(1,877,730,410)

Data from SPL as of Dec 21, 2016

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**BALANCE SHEET**  
**LIABILITIES AND OTHER CREDITS**  
**September 30, 2016**

**8. CURRENT AND ACCRUED LIABILITES**

		2016
231	NOTES PAYABLE	0
232	ACCOUNTS PAYABLE	(458,932,832)
233	NOTES PAYABLE TO ASSOCIATED COMPANIES	-
234	ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES	(30,369,955)
235	CUSTOMER DEPOSITS	(71,096,853)
236	TAXES ACCRUED	(31,114,618)
237	INTEREST ACCRUED	(51,875,190)
238	DIVIDENDS DECLARED	-
241	TAX COLLECTIONS PAYABLE	(4,345,924)
242	MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES	(158,209,952)
243	OBLIGATIONS UNDER CAPITAL LEASES - CURRENT	(42,637,444)
244	DERIVATIVE INSTRUMENT LIABILITIES	(235,052,849)
244	LESS: LONG-TERM PORTION OF DERIVATIVE LIABILITIES	189,242,492
245	DERIVATIVE INSTRUMENT LIABILITIES - HEDGES	-
	TOTAL CURRENT AND ACCRUED LIABILITIES	(894,393,125)

**9. DEFERRED CREDITS**

252	CUSTOMER ADVANCES FOR CONSTRUCTION	(58,572,012)
253	OTHER DEFERRED CREDITS	(396,625,895)
254	OTHER REGULATORY LIABILITIES	(1,432,723,743)
255	ACCUMULATED DEFERRED INVESTMENT TAX CREDITS	(21,296,716)
257	UNAMORTIZED GAIN ON REACQUIRED DEBT	-
281	ACCUMULATED DEFERRED INCOME TAXES - ACCELERATED	-
282	ACCUMULATED DEFERRED INCOME TAXES - PROPERTY	(2,140,209,421)
283	ACCUMULATED DEFERRED INCOME TAXES - OTHER	(738,826,450)
	TOTAL DEFERRED CREDITS	(4,788,254,237)

TOTAL LIABILITIES AND OTHER CREDITS (\$17,442,076,805)

(\$4,788,254,237)

Data from SPL as of Dec 21, 2016

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**STATEMENT OF INCOME AND RETAINED EARNINGS**  
**Nine Months Ended September 30, 2016**

**1. UTILITY OPERATING INCOME**

400	OPERATING REVENUES		\$3,516,532,527
401	OPERATING EXPENSES	\$2,138,908,385	
402	MAINTENANCE EXPENSES	112,553,955	
403-7	DEPRECIATION AND AMORTIZATION EXPENSES	452,335,935	
408.1	TAXES OTHER THAN INCOME TAXES	96,977,236	
409.1	INCOME TAXES	106,317,455	
410.1	PROVISION FOR DEFERRED INCOME TAXES	221,561,581	
411.1	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	(130,819,978)	
411.4	INVESTMENT TAX CREDIT ADJUSTMENTS	2,567,785	
411.6	GAIN FROM DISPOSITION OF UTILITY PLANT	-	
	TOTAL OPERATING REVENUE DEDUCTIONS		<u>3,000,402,354</u>
	NET OPERATING INCOME		516,130,173

**2. OTHER INCOME AND DEDUCTIONS**

415	REVENUE FROM MERCHANDISING, JOBBING AND CONTRACT WORK	-	
417	REVENUES OF NONUTILITY OPERATIONS	10,231	
417.1	EXPENSES OF NONUTILITY OPERATIONS	-	
418	NONOPERATING RENTAL INCOME	25,243	
418.1	EQUITY IN EARNINGS OF SUBSIDIARIES	-	
419	INTEREST AND DIVIDEND INCOME	4,792,144	
419.1	ALLOWANCE FOR OTHER FUNDS USED DURING CONSTRUCTION	35,256,954	
421	MISCELLANEOUS NONOPERATING INCOME	2,462,421	
421.1	GAIN ON DISPOSITION OF PROPERTY	-	
	TOTAL OTHER INCOME	<u>42,546,993</u>	
421.2	LOSS ON DISPOSITION OF PROPERTY	-	
425	MISCELLANEOUS AMORTIZATION	187,536	
426	MISCELLANEOUS OTHER INCOME DEDUCTIONS	<u>3,503,544</u>	
	TOTAL OTHER INCOME DEDUCTIONS	<u>3,691,080</u>	
408.2	TAXES OTHER THAN INCOME TAXES	479,073	
409.2	INCOME TAXES	(272,297)	
410.2	PROVISION FOR DEFERRED INCOME TAXES	5,805,031	
411.2	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	<u>(1,535,703)</u>	
	TOTAL TAXES ON OTHER INCOME AND DEDUCTIONS	<u>4,476,104</u>	
	TOTAL OTHER INCOME AND DEDUCTIONS		<u>34,379,809</u>
	INCOME BEFORE INTEREST CHARGES		550,509,982
	EXTRAORDINARY ITEMS AFTER TAXES		0
	NET INTEREST CHARGES*		<u>131,467,842</u>
	NET INCOME		<u><u>\$419,042,140</u></u>

\*NET OF ALLOWANCE FOR BORROWED FUNDS USED DURING CONSTRUCTION, (\$11,633,689)

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**STATEMENT OF INCOME AND RETAINED EARNINGS**  
**Nine Months Ended September 30, 2016**

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**3. RETAINED EARNINGS**

RETAINED EARNINGS AT BEGINNING OF PERIOD, AS PREVIOUSLY REPORTED	\$3,915,568,308
NET INCOME (FROM PRECEDING PAGE)	419,042,140
DIVIDEND TO PARENT COMPANY	(175,000,000)
DIVIDENDS DECLARED - PREFERRED STOCK	0
OTHER RETAINED EARNINGS ADJUSTMENTS	0
RETAINED EARNINGS AT END OF PERIOD	<u>\$4,159,610,448</u>

# **ATTACHMENT B**

## **Electric Tariff Table of Contents**



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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.

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1C5

Advice Ltr. No. 2985-E-A

Decision No. 16-06-029

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

Date Filed Mar 14, 2017

Effective Mar 17, 2017

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



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Sheet 4

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# **ATTACHMENT C**

## **Statement of Proposed Rate Increases**

The Table shown below presents the illustrative increase in class average electric rates that would result from CPUC approval of this application, compared to current rate levels, when all 6 contracts proposed in this application are in effect (2022). Further details regarding rate and bill impacts can be found in the testimony of Jeffrey Shaughnessy.

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

<b>Customer Class</b>	<b>Current Class Average Rates 03/01/17<sup>1</sup> (¢/kWh)</b>	<b>2022 Class Average Rates Reflecting Proposed Increase Per Application (¢/kWh)</b>	<b>Total Rate Increase (¢/kWh)</b>	<b>Percentage Rate Increase (%)</b>
<b>Residential</b>	24.990	25.125	0.135	0.5%
<b>Small Commercial</b>	23.928	24.062	0.134	0.6%
<b>Medium and Large C&amp;I<sup>2</sup></b>	19.850	19.962	0.112	0.6%
<b>Agricultural</b>	17.735	17.802	0.067	0.4%
<b>Lighting</b>	19.917	20.008	0.091	0.5%
<b>System Total</b>	22.122	22.244	0.122	0.6%

<sup>1</sup> Rates effective 3/1/17 per Advice Letter (AL)3034-E.

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

# **ATTACHMENT D**

## **Original Cost and Depreciation**

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**COST OF PROPERTY AND**  
**DEPRECIATION RESERVE APPLICABLE THERETO**  
**AS OF SEPTEMBER 30, 2016**

<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	151,497,281.44	76,910,726.58
	<b>TOTAL INTANGIBLE PLANT</b>	<b>151,720,122.80</b>	<b>77,113,626.88</b>
310.1	Land	14,526,518.29	46,518.29
310.2	Land Rights	0.00	0.00
311	Structures and Improvements	95,407,714.47	42,036,800.17
312	Boiler Plant Equipment	166,576,622.04	71,369,682.34
314	Turbogenerator Units	138,276,234.03	48,371,852.67
315	Accessory Electric Equipment	85,716,403.89	34,996,227.99
316	Miscellaneous Power Plant Equipment	45,813,287.16	10,528,037.57
	Steam Production Decommissioning	0.00	0.00
	<b>TOTAL STEAM PRODUCTION</b>	<b>546,316,779.88</b>	<b>207,349,119.03</b>
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	26,982,364.66	2,370,893.39
324	Accessory Electric Equipment	10,877,777.76	1,458,232.53
325	Miscellaneous Power Plant Equipment	147,107,682.44	48,807,803.51
101	SONGS PLANT CLOSURE GROSS PLANT-	(417,487,311.75)	(76,957,383.29)
	<b>TOTAL NUCLEAR PRODUCTION</b>	<b>0.00</b>	<b>0.00</b>
340.1	Land	143,475.87	0.00
340.2	Land Rights	56,032.61	8,602.03
341	Structures and Improvements	22,703,423.92	6,962,378.61
342	Fuel Holders, Producers & Accessories	20,348,101.38	6,407,589.43
343	Prime Movers	87,218,053.23	33,265,038.10
344	Generators	343,011,248.58	130,485,405.08
345	Accessory Electric Equipment	32,506,374.56	12,251,605.77
346	Miscellaneous Power Plant Equipment	26,173,720.53	12,941,520.87
	<b>TOTAL OTHER PRODUCTION</b>	<b>532,160,430.68</b>	<b>202,322,139.89</b>
	<b>TOTAL ELECTRIC PRODUCTION</b>	<b>1,078,477,210.56</b>	<b>409,671,258.92</b>

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
350.1	Land	66,531,300.86	0.00
350.2	Land Rights	155,345,383.03	19,955,301.81
352	Structures and Improvements	471,888,846.40	62,275,772.20
353	Station Equipment	1,385,119,627.62	259,363,669.30
354	Towers and Fixtures	895,788,350.41	155,140,329.22
355	Poles and Fixtures	452,300,668.48	90,120,532.80
356	Overhead Conductors and Devices	567,859,848.13	218,871,206.59
357	Underground Conduit	353,823,165.06	51,239,071.02
358	Underground Conductors and Devices	371,981,185.11	50,774,660.39
359	Roads and Trails	310,040,707.89	26,996,004.83
101	SONGS PLANT CLOSURE GROSS PLANT-	0.00	0.00
	TOTAL TRANSMISSION	5,030,679,082.99	934,736,548.16
360.1	Land	16,176,227.80	0.00
360.2	Land Rights	84,691,802.80	40,225,024.47
361	Structures and Improvements	4,082,530.20	1,802,486.28
362	Station Equipment	497,367,748.34	161,021,131.55
363	Storage Battery Equipment	38,262,102.18	5,716,135.82
364	Poles, Towers and Fixtures	663,481,765.82	263,601,476.38
365	Overhead Conductors and Devices	605,133,333.91	203,383,280.37
366	Underground Conduit	1,165,407,965.21	457,149,232.15
367	Underground Conductors and Devices	1,463,008,396.38	876,459,913.30
368.1	Line Transformers	588,041,021.42	134,682,439.30
368.2	Protective Devices and Capacitors	37,338,350.61	1,504,617.68
369.1	Services Overhead	144,352,314.28	120,439,566.04
369.2	Services Underground	340,113,496.50	239,571,414.99
370.1	Meters	192,531,745.82	74,493,798.59
370.2	Meter Installations	55,594,647.25	19,438,922.80
371	Installations on Customers' Premises	8,443,273.72	10,391,230.75
373.1	St. Lighting & Signal Sys.-Transformers	0.00	0.00
373.2	Street Lighting & Signal Systems	29,006,791.56	18,667,458.97
	TOTAL DISTRIBUTION PLANT	5,933,033,513.80	2,628,548,129.44
389.1	Land	7,312,142.54	0.00
389.2	Land Rights	0.00	0.00
390	Structures and Improvements	33,374,220.91	24,021,583.04
392.1	Transportation Equipment - Autos	0.00	49,884.21
392.2	Transportation Equipment - Trailers	58,145.67	12,899.80
393	Stores Equipment	8,545.97	8,293.21
394.1	Portable Tools	24,742,917.67	8,401,335.51
394.2	Shop Equipment	341,135.67	251,293.60
395	Laboratory Equipment	5,152,106.01	409,899.19
396	Power Operated Equipment	60,528.93	117,501.67
397	Communication Equipment	266,347,749.23	100,224,791.72
398	Miscellaneous Equipment	5,781,694.61	912,712.52
	TOTAL GENERAL PLANT	343,179,187.21	134,410,194.47
101	TOTAL ELECTRIC PLANT	12,537,089,117.36	4,184,479,757.87



<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	0.00	0.00
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	2,242,164.87	1,053,802.03
	<b>TOTAL STORAGE PLANT</b>	<b>2,242,164.87</b>	<b>1,053,802.03</b>
365.1	Land	4,649,143.75	0.00
365.2	Land Rights	2,232,291.80	1,377,955.55
366	Structures and Improvements	15,181,057.58	9,953,684.86
367	Mains	222,335,086.03	73,755,335.96
368	Compressor Station Equipment	85,295,170.69	68,327,978.95
369	Measuring and Regulating Equipment	20,964,862.90	16,616,087.65
371	Other Equipment	117,058.52	2,799.57
	<b>TOTAL TRANSMISSION PLANT</b>	<b>350,774,671.27</b>	<b>170,033,842.54</b>
374.1	Land	102,187.24	0.00
374.2	Land Rights	8,311,050.46	6,850,716.04
375	Structures and Improvements	43,446.91	61,253.10
376	Mains	781,868,494.99	364,616,145.66
378	Measuring & Regulating Station Equipment	18,055,275.18	7,936,503.03
380	Distribution Services	263,967,498.41	295,819,545.31
381	Meters and Regulators	156,137,040.56	52,991,938.75
382	Meter and Regulator Installations	94,943,092.67	38,264,534.32
385	Ind. Measuring & Regulating Station Equipment	1,516,810.70	1,192,265.42
386	Other Property On Customers' Premises	0.00	0.00
387	Other Equipment	5,223,271.51	4,948,553.11
	<b>TOTAL DISTRIBUTION PLANT</b>	<b>1,330,168,168.63</b>	<b>772,681,454.74</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	9,141,612.73	3,959,162.67
394.2	Shop Equipment	76,864.06	51,199.27
395	Laboratory Equipment	283,093.66	274,940.51
396	Power Operated Equipment	16,162.40	7,225.95
397	Communication Equipment	2,704,837.27	1,037,572.93
398	Miscellaneous Equipment	473,380.31	64,338.14
	TOTAL GENERAL PLANT	<u>12,770,450.98</u>	<u>5,494,443.15</u>
101	TOTAL GAS PLANT	<u>1,696,041,559.95</u>	<u>949,349,646.66</u>
<b>COMMON PLANT</b>			
303	Miscellaneous Intangible Plant	385,936,907.96	240,931,294.41
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	346,847,731.11	146,150,039.23
391.1	Office Furniture and Equipment - Other	32,001,802.93	14,515,792.45
391.2	Office Furniture and Equipment - Computer E	49,714,206.29	28,703,180.78
392.1	Transportation Equipment - Autos	408,259.35	(338,930.17)
392.2	Transportation Equipment - Trailers	12,195.98	4,882.65
393	Stores Equipment	58,941.18	45,308.91
394.1	Portable Tools	1,232,026.51	354,029.69
394.2	Shop Equipment	191,385.80	120,840.69
394.3	Garage Equipment	1,560,326.28	193,362.05
395	Laboratory Equipment	2,095,455.34	959,645.22
396	Power Operated Equipment	0.00	(192,979.10)
397	Communication Equipment	188,487,014.40	71,976,054.03
398	Miscellaneous Equipment	2,441,440.75	438,266.81
118.1	TOTAL COMMON PLANT	<u>1,019,237,569.59</u>	<u>503,888,563.99</u>
	TOTAL ELECTRIC PLANT	12,537,089,117.36	4,184,479,757.87
	TOTAL GAS PLANT	1,696,041,559.95	949,349,646.66
	TOTAL COMMON PLANT	<u>1,019,237,569.59</u>	<u>503,888,563.99</u>
			<u>4,184,479,757.87</u>
101 & 118.1	TOTAL	<u>15,252,368,246.90</u>	<u>5,637,717,968.52</u>
101	PLANT IN SERV-SONGS FULLY RECOVER	<u>0.00</u>	<u>0.00</u>
101	PLANT IN SERV-ELECTRIC NON-RECON		
	Electric	0.00	0.00
	Gas	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>
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	(1,627,745.96)	(1,627,745.96)
		<u>(1,627,745.96)</u>	<u>(1,627,745.96)</u>
101	Accrual for Retirements		
	Electric	(4,945,448.07)	(4,945,448.07)
	Gas	(321,418.44)	(321,418.44)
		<u>(5,266,866.51)</u>	<u>(5,266,866.51)</u>
	TOTAL PLANT IN SERV-ACCRUAL FOR RE		
		<u>(5,266,866.51)</u>	<u>(5,266,866.51)</u>
102	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	13,551,803.70
	Gas	0.00	0.00
		<u>85,194,000.02</u>	<u>13,551,803.70</u>
	TOTAL PLANT LEASED TO OTHERS	85,194,000.02	13,551,803.70
		<u>85,194,000.02</u>	<u>13,551,803.70</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	11,307,727.50	0.00
		<u>11,307,727.50</u>	<u>0.00</u>
107	Construction Work in Progress		
	Electric	734,092,930.18	
	Gas	237,538,912.28	
	Common	62,850,082.68	
		<u>1,034,481,925.14</u>	
	TOTAL CONSTRUCTION WORK IN PROGRESS	1,034,481,925.14	0.00
		<u>1,034,481,925.14</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	1,066,826,142.09
	TOTAL ACCUMULATED NUCLEAR DECOMMISSIONING	0.00	1,066,826,142.09
101.1	ELECTRIC CAPITAL LEASES	852,823,281.00	211,348,459.00
118.1	COMMON CAPITAL LEASE	20,629,802.04	20,188,285.23
		873,453,083.04	231,536,744.23
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	1,379,851.00	(1,063,102,174.89)
	SONGS Plant Closure - FAS 143 contra	0.00	0.00
	FIN 47 ASSETS - Non-Legal Obligation	89,304,473.36	32,338,149.81
143	FAS 143 ASSETS - Legal Obligation	0.00	(1,453,723,157.35)
	TOTAL FAS 143	90,684,324.36	(2,484,487,182.43)
	UTILITY PLANT TOTAL	17,340,594,694.49	4,458,250,863.64

# **ATTACHMENT E**

## **Summary of Earnings**

**SAN DIEGO GAS & ELECTRIC COMPANY**  
**SUMMARY OF EARNINGS**  
**Nine Months Ended September 30, 2016**  
**(DOLLARS IN MILLIONS)**

<u>Line No.</u>	<u>Item</u>	<u>Amount</u>
1	Operating Revenue	\$3,516
2	Operating Expenses	<u>3,000</u>
3	Net Operating Income	<u><u>\$516</u></u>
4	Weighted Average Rate Base	\$7,859
5	Rate of Return*	7.79%

\*Authorized Cost of Capital

# **ATTACHMENT F**

## **Service List Notice to State, Cities, and Counties**

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

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

Department of U.S. Administration  
General Services Administration  
300 N. Los Angeles St. #3108  
Los Angeles, CA 90012

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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