# BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Application of SAN DIEGO GAS & ELECTRIC	)	
COMPANY (U 902 E) for Approval of SB 350	)	Application No. 17-01
Transportation Electrification Proposals	)	(Filed January 20, 2017)
	)	

## APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902-E) FOR AUTHORITY TO IMPLEMENT PRIORITY REVIEW AND STANDARD REVIEW PROPOSALS TO ACCELERATE WIDESPREAD TRANSPORTATION ELECTRIFICATION

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## I. INTRODUCTION

Pursuant to Senate Bill 350 ("SB 350"), including California Public Utilities Code ("P.U. Code") §§ 237.5, 740.8 and 740.12 and P.U. Code § 740.3, the "Assigned Commissioner's Ruling Regarding the Filing of the Transportation Electrification Applications Pursuant to Senate Bill 350" ("ACR") (issued in Rulemaking 13-11-007), and California Public Utilities Commission ("Commission") Rules of Practice and Procedure, San Diego Gas & Electric Company ("SDG&E") hereby submits this application ("Application") for authorization to establish and implement six priority review projects and one standard review residential charging program, all of which are designed to accelerate widespread transportation electrification in SDG&E's service territory, while maximizing grid efficiency with proper rate design. SDG&E is also seeking to establish balancing accounts to recover in rates the costs associated with each proposed priority review project and the standard review residential charging program. Stakeholder support for SDG&E's proposals is reflected in the letters attached in Appendix A, including letters from CalTrans, Cleantech San Diego, Center for Sustainable Energy, General Motors Company, International Brotherhood of Electrical Workers ("IBEW") Local 569, Plug In America, San Diego Port Tenants Association, Terminalift, LLC, Dole Fresh Fruit Company,

TransPower, San Diego County Air Pollution Control District, San Diego County Regional Airport Authority, and San Diego Assocation of Governments. SDG&E expects that its proposals will generate additional stakeholder support, following the filing of this Application.

As described in more detail below and in the direct testimony supporting this

Application, the six proposed priority review projects and one standard review residential

charging program are complementary and when viewed as a portfolio are designed to achieve the

following goals:

- facilitate rapid deployment of transportation electrification as a means to meet California's aggressive greenhouse gas ("GHG") reduction goals, thereby improving the health of all ratepayers and creating a cleaner environment;
- fill and/or jump start sectors within the EV market not significantly developed or currently lacking sustainable infrastructure or capital investment;
- create opportunities for private sector participation in the EV market by increasing EV-related demand (e.g., increased EV sales, increased need for charging and data collection infrastructure, increased need for a trained and qualified EV-related workforce);
- promote market integration by facilitating safe and equitable access to electricity
  as a transportation fuel, including for those living in disadvantaged communities,
  while improving the efficient use of SDG&E's electric system;
- provide data that will help test and measure the flexibility of EV charging loads and the degree to which the efficient integration of EV loads can yield cost savings to all customers by avoiding future utility infrastructure additions,

- increasing utilization of renewable resources, or more efficiently using the electric grid; and
- provide education and outreach to residential and commercial customers currently
  lacking the knowledge or experience necessary to reach the conclusion that
  investment in EVs or EV infrastructure is economical, safe and good for the
  public at large.

SDG&E believes that these objectives are consistent with Federal, State and regional policy objectives regarding transportation electrification, including those reflected in SB 350. More importantly, SDG&E believes it is uniquely positioned to implement the proposed priority review projects and residential charging program in a manner that will lead to reasonable success in meeting these goals. SDG&E's unique position is reflected in the following characteristics:

• Past Success: SDG&E has a long history of innovation and leadership in the area of implementing California's progressive renewable energy policies. For example, in June 2015, SDG&E became the first California investor owned utility ("IOU") to meet California's 33% renewable portfolio standard goal, achieving this milestone five years ahead of the State requirement. Indeed, by 2020, SDG&E anticipates that it will source 45% of its energy from renewable resources. SDG&E also collaborated with the federal EV Project funded under the American Recovery and Reinvestment Act to conduct a three year study of customer response to alternative EV rate designs. SDG&E has also proposed innovative rate design structures to enable enhanced usage of renewable resources.

<sup>&</sup>lt;sup>1</sup> Final Evaluation for San Diego Gas & Electric's Plug-in Electric Vehicle TOU Pricing and Technology Study (February 20, 2014),

http://www.sdge.com/sites/default/files/documents/1681437983/SDGE%20EV%20%20Pricing%20%26%20Tech%20Study.pdf?nid=10666.

and to encourage customers to align behavior with grid conditions in order to maximize benefits of clean energy.<sup>2</sup> In addition, with SDG&E's new EcoChoice<sup>SM</sup> option, customers can subscribe to receive up to 100% of their energy from renewable sources.<sup>3</sup> More recently, in 2016, the Commission partnered with SDG&E in response to the Governor's state of emergency and forecasts for peak energy shortages by expediting installation of 37.5 MW/150 MWh of energy storage, one of the largest battery storage projects to date.<sup>4</sup> Regarding success specific to transportation electrification, on December 15, 2016, SDG&E announced that it had signed a memorandum of understanding with XL Hybrids to purchase up to 110 of their first-of-its-kind, plug-in electric hybrid truck systems between 2017 and 2020 to upgrade SDG&E's fleet vehicles. This commitment is further enhanced by SDG&E's current "Race to 500" campaign designed to have 500 employees use EVs as their primary form of transportation.<sup>5</sup>

• <u>Ability to Help Ensure Equal Access</u>: the Commission's oversight of SDG&E, as an investor-owned utility ("IOU"), helps ensure equitable deployment of services and charging infrastructure at reasonable rates to all ratepayers, including those

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<sup>&</sup>lt;sup>2</sup> For example, pursuant to Decision ("D.") 16-01-045, a new rate design will be implemented with the roll-out of SDG&E's "Power Your Drive" program. SDG&E's program is authorized to install up to 3,500 EV charging stations across its service territory in apartments, condos, and businesses.

<sup>&</sup>lt;sup>3</sup> SDG&E's EcoChoice<sup>SM</sup>, http://www.sdge.com/environment/connected-to-the-sun/ecochoice.

<sup>&</sup>lt;sup>4</sup> SDG&E Advice Letter ("AL") 2924-E.

<sup>&</sup>lt;sup>5</sup> As of December 31, 2016, 319 employees have purchased or leased EVs.

- living in disadvantaged communities. SDG&E demonstrated its commitment to serving disadvantaged communities in its VGI settlement.<sup>6</sup>
- Expertise at Grid Optimization: through innovative rate design with enabling technology, SDG&E continues to explore ways to efficiently integrate EV charging loads and renewable energy resources with the grid. This will not only enable drivers and fleet operators to take advantage of renewable resources to fuel their vehicles, but will help the State to decarbonize the grid, multiplying the environmental benefits of transportation electrification. These approaches will reduce the need for additional system capacity and infrastructure to serve EV loads, which will reduce the upward pressure on rates for all customers, not just those who purchase or lease an EV.
- <u>Cost Effectiveness Obligation</u>: per P.U. Code §740.12(b), SDG&E is required to propose projects that seek to minimize overall costs and maximize overall benefits.

As reflected in SB 350, if California's aggressive GHG reduction goals are going to be met, development of transportation electrification throughout the State is one of the immediate steps that must be taken. According to the California Air Resources Board ("CARB"), the transportation sector accounts for 36% of all GHG emissions.<sup>7</sup> In SDG&E's service territory (which has far less agriculture, commercial and industrial load than the rest of the state),

<sup>&</sup>lt;sup>6</sup> D.16-01-045 at Finding of Fact 20 states, "[...] the participation payment will be waived for VGI facilities located at sites in disadvantaged communities; at least 10% of the VGI facilities will be installed in disadvantaged communities as identified by the CalEnviroScreen . . .".

<sup>&</sup>lt;sup>7</sup> <u>California Air Resources Board, 2016 Edition – California GHG Emission Inventory</u> (June 17, 2016), https://www.arb.ca.gov/cc/inventory/pubs/reports/2000\_2014/ghg\_inventory\_trends\_00-14\_20160617.pdf.

transportation accounts for approximately 50% of all GHG emissions. Light-duty vehicles in particular comprise 97% of all registered vehicles in San Diego County and are responsible for approximately 80% of combined on-road and off-road GHG emissions. In light of these facts and because SDG&E's proposals in this Application comprise what it believes are measured, reasonable and compliant steps toward facilitating and managing the inevitable load transportation electrification represents, SDG&E respectfully requests expedited consideration of its six priority review projects (i.e., approval by Q3 2017). Regarding the standard review residential charging program, SDG&E is requesting approval by Q2 2018. All the proposals are described below.

## II. SDG&E'S SIX PRIORITY REVIEW PROJECTS

SDG&E's proposed priority review projects are summarized below and described in more detail in the supporting direct testimony.

- Airport Ground Support Equipment SDG&E proposes to install charging
  ports, metering equipment, and data loggers in partnership with the San Diego
  International Airport and its tenants.
- Electrify Local Highways SDG&E proposes to install Level 2 ("L2") and DC Fast Chargers ("DCFCs") located in or near disadvantaged communities at four Caltrans Park-and-Ride locations with existing plans for new construction and upgrades. A grid integrated rate will be offered to encourage charging at times beneficial to the grid.

<sup>8</sup> Energy Policy Initiatives Center ("EPIC"), San Diego County Updated Greenhouse Gas Inventory (March 2013), <a href="http://catcher.sandiego.edu/items/usdlaw/EPIC-GHG-2013.pdf">http://catcher.sandiego.edu/items/usdlaw/EPIC-GHG-2013.pdf</a>.

<sup>&</sup>lt;sup>9</sup> Proprietary IHS/Polk Data (2016).

<sup>&</sup>lt;sup>10</sup> EPIC, San Diego County Updated Greenhouse Gas Inventory (March 2013), p. 8, <a href="http://catcher.sandiego.edu/items/usdlaw/EPIC-GHG-2013.pdf">http://catcher.sandiego.edu/items/usdlaw/EPIC-GHG-2013.pdf</a>. Details regarding how the 80% was calculated are included in the direct testimony of Randy Schimka (Chapter 3).

- Medium Duty/Heavy Duty ("MD/HD") and Forklift Port Electrification –
   SDG&E proposes to install a combination of components such as electric vehicle supply equipment ("EVSE"), circuits, load research meters and data loggers, in collaboration with the San Diego Unified Port District and its tenants.
- Fleet Delivery Services SDG&E proposes to install charging infrastructure to support electric delivery vehicles at approximately six locations. A grid integrated rate will be offered to encourage charging at times beneficial to the grid.
- Green Taxi/Shuttle/Rideshare SDG&E proposes to provide charging infrastructure and vehicle incentives with a grid integrated rate to encourage taxi owners/companies, shuttle bus owners/companies, and rideshare drivers/companies to lease or purchase EVs. One of the five DCFC units proposed within this project will be integrated with energy storage and solar energy.
- **Dealership Incentives** SDG&E proposes to offer EV education and incentives to dealerships and their salespeople to increase EV sales and enhance the associated customer experience.

SDG&E believes that these projects, as presented in the direct testimony, should be viewed as non-controversial and subject to priority approval, consistent with the ACR.

Consistent with the ACR, these projects are also of a short duration (up to one year). Regarding the total estimated costs for these projects, they are summarized in the following chart. It should

be noted that these estimates are consistent with the ACR's \$4 million per project cap and \$20 million total cap for all proposed priority review projects.<sup>11</sup>

SDG&E SB 350 Priority Review Project Cost Estimate Summary						
	CapEx		O&M		Total	
Project Title		Cost Est.	Cost Est.		Cost Est.	
MD HD Port Electrification	\$	1,840,575	\$	565,000	\$	2,405,575
Electrify Local Highway	\$	3,309,212	\$	690,788	\$	4,000,000
Dealer Incentives	\$	-	\$	1,790,000	\$	1,790,000
Fleet Delivery	\$	3,231,963	\$	458,786	\$	3,690,749
Taxi/Rideshare/Shuttle	\$	2,456,287	\$	1,010,918	\$	3,467,205
Airport GSE	\$	2,405,598	\$	434,140	\$	2,839,738
	\$	13,243,635	\$	4,949,631	\$	18,193,266

SDG&E recognizes concerns regarding competition may be raised by utility participation and ownership in markets associated with some of the foregoing priority review projects. It should be noted, however, that these sectors were selected, in part, because a robust market has not yet substantially developed in these areas. Moreover, one of the goals of these projects is to jumpstart these segments by introducing relevant TE technology to serve as demonstrations and tests which, if successful, should lead to further private sector market participation and vehicle adoption. In conjunction with the oversight and support of the Commission, SDG&E believes the right balance between utility and private sector participation in the EV market can be achieved.

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<sup>&</sup>lt;sup>11</sup> Note that these estimated costs do not include adjustments for overhead loaders and escalation factors. As shown in the supporting testimony (see Chapter 6), after updating the capital and O&M costs with the appropriate adjustment factors, the total priority review project costs is \$26.428 million.

## III. SDG&E'S STANDARD REVIEW RESIDENTIAL CHARGING PROGRAM

In order to meet California's aggressive goals regarding zero-emission vehicle ("ZEV")<sup>12</sup> adoption, as well as to decarbonize and promote the efficient use of the electric grid, SDG&E is proposing a residential charging program that will not only target SDG&E residential customers who have purchased or leased a ZEV, but customers who are contemplating purchasing a ZEV. This program will cover the cost of an in-home Level 2 ("L2") EVSE and a capped amount of installation and maintenance services by qualified electrical contractors affiliated with the IBEW. In turn, program participants will be required to sign up for a grid integrated rate for the entire residence, which will promote renewable energy development, efficient grid operations, and save customers money. Enrollments in the program are proposed to take place over five (5) years, with a goal of 90,000 L2 EVSEs installed, including at least 20% of installations specifically set aside for disadvantaged communities. As discussed in more detail in supporting testimony, SDG&E proposes installation of L2 EVSEs which are not only much more efficient and economical when compared to L1 EVSEs, they have the right characteristics to optimize use of the electric grid.

Regarding the total estimated costs for the residential charging program, they are summarized in the following chart.<sup>13</sup>

According to the ZEV Action Plan, ZEVs include the following electric vehicle types: hydrogen fuel cell electric vehicles ("FCEVs") and plug-in electric vehicles ("PEVs"), which includes pure battery electric vehicles ("BEVs") and plug-in hybrid electric vehicles ("PHEVs"). Note, FCEVs are not included in SDG&E's proposals or in any analysis related to ZEVs included in this Application.
Note that these estimated costs do not include adjustments for overhead loaders and escalation factors. As shown in the supporting testimony (see Chapter 6), after updating the capital and O&M costs with the appropriate adjustment factors, the total standard review project cost is \$322.141 million.

SDG&E SB 350 Standard Review Project Cost Estimate Summary						
Project Title		CapEx Cost Est.	O&M Cost Est.		Total Cost Est.	
Residential Charging	\$	200,974,750	\$	24,950,000	\$ 225,924,750	

As with the priority review projects, SDG&E recognizes the concerns about competition that may be raised with respect to this residential charging program. That said, the main point of the program is to remove what SDG&E believes is a significant barrier to more rapid EV market growth: lack of consumer confidence in convenient and cost-effective charging. If successful, SDG&E expects that demand for EVs should grow, which will lead to market expansion opportunities for all market participants. Moreover, SDG&E believes the environmental, safety, equal access and grid management benefits associated with utility participation merit the Commission's support. As with the priority review projects, and consistent with SB 350, SDG&E believes utility involvement will lead to market advances that benefit all market participants and all ratepayers.

## IV. FUTURE PROPOSED PROJECTS

This Application's request is limited to the six proposed priority review projects and the standard review residential charging program. However, in order to fully understand SDG&E's vision in this area and consistent with the ACR, the following is a brief summary of additional projects SDG&E intends to pursue via future applications.

Buses – SDG&E will propose to install charging infrastructure to support the
growth of transit and shuttle bus markets. This project may include different
utility ownership models and Vehicle to Grid ("V2G") functionality.

- **Medium Duty/Heavy Duty (MD/HD) Electrification** SDG&E will propose to provide charging infrastructure to support electrification of MD/HD vehicles.
- Tourism SDG&E will propose to provide charging infrastructure throughout its service territory, with particular focus on the tourism industry and testing technology enablement.
- Secondary Market SDG&E will look at opportunities in the EV secondary
  market, including stationary usage for old batteries and opportunities for
  increased transportation electrification adoption for disadvantaged communities.

## V. BRIEF DESCRIPTIONS OF SUPPORTING TESTIMONY

In support of this Application, SDG&E includes the direct testimony of the following witnesses, organized by chapter as shown:

- Chapter 1: (Michael M. Schneider) provides an overview of SDG&E's vision regarding transportation electrification and policy support for its priority review projects and standard review residential charging program;
- Chapter 2: (Linda P. Brown) describes how SDG&E's priority review projects
  and standard review residential charging program are consistent and comply with
  California and Commission policy, including that reflected in SB 350 and the
  ACR;
- Chapter 3: (Randy Schimka) describes the specific details regarding the six priority review projects, including detailed cost forecasts;
- Chapter 4: (Randy Schimka) describes the specific details of the standard review residential charging program, including detailed cost forecasts;

- Chapter 5: (Cynthia Fang) describes the rate design proposals for the six priority review projects and one standard review residential charging program;
- Chapter 6: (Mike A. Calabrese) describes the revenue requirement methodology and resulting total proposed revenue requirement for the six priority review projects and one standard review residential charging program;
- Chapter 7: (Norma G. Jasso) describes the balancing accounts requested for recovering the costs of the six priority review projects and one standard review residential charging program; and
- Chapter 8: (J.C. Martin) describes the air quality impacts for the six priority review projects and one standard review residential charging program and cost-effectiveness analysis for the standard review residential program, including supporting analysis provided by third party consultant E3.

## VI. 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:

Jennifer Wright
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San Diego Gas & Electric Company
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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 for the six priority review projects and the one standard review residential charging program 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 the proposed six priority review projects will require hearings. In accordance with the ACR (issued in Rulemaking 13-11-007), SDG&E has provided supporting testimony, analysis and documentation that provide the Commission with a sufficient record upon which to approve the proposed six priority review projects, including cost recovery for these projects. Regarding approval of the proposed standard review residential charging program, SDG&E believes hearings may be required.

## c. Issues to be Considered

The issues to be considered are described in this Application and the accompanying testimony, including the attached appendices. Regarding safety considerations, based on current information, SDG&E's proposals will not result in any adverse safety impacts on the facilities or operations of SDG&E. Moreover, if approved, SDG&E intends to partner with skilled labor for all installations and maintenance activities that is trained specifically on EV charging equipment. All installed charging equipment will be safety-certified by a Nationally Recognized Testing Laboratory ("NRTL"). In addition, SDG&E will comply with all current safety laws, rules and procedures, including Electric Rule 21 and SDG&E's internal policies regarding the operation of EV charging infrastructure.

## d. Proposed Schedule

SDG&E proposes the following schedule:

<u>ACTION</u>	DATE
SDG&E files Application	January 20, 2017
Responses/Protests Due	no sooner than Feb. 20, 2017
Reply to Responses/Protests	no sooner than March 2, 2017
Prehearing Conference	no later than March 10, 2017
Scoping Memo Issued	no later than March 24, 2017
Phase 1 Proposed Decision ("PD") re Six Priority Review Projects	Q3 2017
Intervenor Testimony on Standard Review Residential Charging Program	Q4 2017
Concurrent Rebuttal Testimony on Standard Review Residential Charging Program	Q4 2017
Evidentiary Hearings on Standard Review Residential Charging Program	Q1 2018
Concurrent Opening Briefs on Standard Review Residential Charging Program	Q1 2018
Concurrent Reply Briefs on Standard Review Residential Charging Program	Q1 2018
Phase 2 PD on Standard Review Residential Charging Program	Q2 2018

## **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.

#### Rule 3.2 (a) – (d) – Authority to Increase Rates<sup>14</sup> C.

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, 2016 are included with this Application as Appendix B.

#### 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-effectivetariffs/current-and-effective-tariffs. Appendix C 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 Appendix D.

#### 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

<sup>&</sup>lt;sup>14</sup> Note Rule 3.2(a) (9) is not applicable to this application.

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, 2016, is shown on the statement of Original Cost and Depreciation Reserve attached as Appendix E.

## 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, 2016, is included as Appendix F 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.

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## 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 25, 2016, was mailed to the Commission on April 29, 2016, 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 proposed priority review projects and standard review residential charging program.

## 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 Appendix G 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.

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## VII. SERVICE

This is a new application. No service list has been established. Accordingly, SDG&E will serve this Application on all parties to the service lists of the Commission's Order Instituting Rulemaking to Consider Alternative Fueled Vehicle Programs, Tariffs, and Policies (R.13-11-007). Hard copies will be sent by overnight mail to the Assigned Commissioner in R.13-11-007, Carla Peterman, the Assigned Administrative Law Judge in R.13-11-007, John S. Wong and the Chief Administrative Law Judge, Karen Clopton.

## VIII. CONCLUSION AND SPECIFIC REQUEST FOR RELIEF

For all the foregoing reasons and those set forth in the direct testimony served in conjunction with the filing of this Application and other testimony eventually received into the record, SDG&E respectfully requests that the Commission approve this Application in all respects. Specifically, in accordance with the foregoing proposed schedule, SDG&E requests the following specific relief:

- Approval of the six proposed priority review projects described above, on an expedited basis;
- 2. Approval of the proposed standard review residential charging program;
- 3. Approval of the proposed revenue requirement, cost recovery (including balancing account proposal) and rate designs associated with each proposed priority review project and the standard review residential charging program; and

4. Granting of such other relief as is necessary and proper.

Respectfully submitted,

/s/ John A. Pacheco
John A. Pacheco

8330 Century Park Court San Diego, CA 92123 Telephone: (858) 654-1761 Facsimile: (619) 699-5027

Email: jpacheco@semprautilities.com

Attorney for SAN DIEGO GAS & ELECTRIC COMPANY

Michael M. Schneider

San Diego Gas & Electric Company

Vice President, Operations Support and Sustainability, Chief Environmental Officer

DATED at San Diego, California, this 20th day of January 2017

## **OFFICER VERIFICATION**

I, Michael M. Schneider, declare 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 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 20th day of January, 2017 at San Diego, California.

Michael M. Schneider

Vice President

Operations Support and Sustainability, Chief Environmental

Officer

San Diego Gas & Electric Company

# APPENDIX A STAKEHOLDER LETTERS OF SUPPORT

### DEPARTMENT OF TRANSPORTATION

DISTRICT 11 4050 TAYLOR ST, M.S. 240 SAN DIEGO, CA 92110 PHONE (619) 688-6681 FAX (619) 688-4299 TTY 711 www.dot.ca.gov



January 18, 2016

Ms. Linda Brown Senior Director – Clean Transportation San Diego Gas and Electric 8306 Century Park Court San Diego, CA 92123

Dear Ms. Brown:

The California Department of Transportation (Caltrans) is in support of San Diego Gas and Electric's (SDG&E) Senate Bill 350 - Electrify Local Highways Project to provide electric vehicle charging infrastructure to four Park & Ride facilities owned by Caltrans. This project parallels Caltrans' strategy to expand California's zero-emission vehicle (ZEV) infrastructure to create a more sustainable transportation system and achieve reductions in greenhouse gas (GHG) emissions.

Governor Brown's Executive Order B-16-2012 mandated that all state agencies support and facilitate the rapid commercialization of ZEVs. This support includes providing public vehicle charging stations to reach a goal of establishing a ZEV infrastructure able to support up to one million vehicles by 2020. The 2016 Governor's Office ZEV Action Plan specifically tasks Caltrans with installing DC fast chargers at a minimum of 30 locations by the end of 2018.

Caltrans is currently evaluating Park & Ride lots, Safety Roadside Rest Areas, and Caltrans facilities for ZEV infrastructure feasibility. Caltrans worked with SDG&E to identify locations for this project that would meet the goals of both Caltrans' ZEV Action Plan and those outlined for SDG&E by Senate Bill 350.

Caltrans looks forward to collaborating with SDG&E and other regional and state partners, such as the San Diego Association of Governments in developing electric vehicle charging infrastructure at Park & Ride facilities.

Sincerely

DARA WHEELER

Interim Deputy District Director, District 11 Planning & Local Assistance



January 18, 2017

2159 INDIA STREET SUITE 200 SAN DIEGO, CA 92101 858-568-7777

cleantechsandiego.org

Ms. Linda Brown Senior Director – Clean Transportation San Diego Gas & Electric 8306 Century Park Court San Diego, CA 92123

Re: Letter of Support for SDG&E's SB 350 Projects Proposal

MISSION:

To accelerate clean technology innovation and adoption of sustainable business practices for the benefit of the economy and the environment

Dear Ms. Brown,

On behalf of Cleantech San Diego, please accept this letter as one of support for SDG&E's SB 350 projects proposal.

Earlier this week, SDG&E briefed the Cleantech San Diego Board of Directors on its proposal. We are excited about the potential impacts of the proposal on our region's environment and our economy and look forward to its approval. Not only will the projects increase the adoption of passenger, medium and heavy duty electric vehicles throughout our region, but they will also help reduce our region's GHG emissions while providing learning opportunities that will help enhance the integration of electric vehicles into our transportation and electric system.

Cleantech San Diego is a nonprofit member organization that positions the greater San Diego region as a global leader in the cleantech economy. We achieve this by fostering collaborations across the private-public-academic landscape, leading advocacy efforts to promote cleantech priorities, and encouraging investment in the San Diego region, which is home to over 22,000 electric vehicles, 1,090 public charging stations, and 75 DC fast chargers. SDG&E's proposal compliments our regional efforts and helps support our smart cities goals.

We enthusiastically support SDG&E's proposal and look forward to working with you to ensure its successful implementation. Should you have any questions regarding our support, please do not hesitate to contact me.

Sincerely.

Jason Anderson President and CEO Cleantech San Diego

9325 Sky Park Court Suite 100 San Diego, CA 92123 main 858.244.1177 fax 858.244.1178 www.energycenter.org

January 17, 2017

Ms. Linda Brown
Senior Director – Clean Transportation
San Diego Gas & Electric
8306 Century Park Court
San Diego, CA 92123

Reference:

Application of SAN DIEGO GAS & ELECTRIC COMPANY (U902-E) for Approval of SB 350

Transportation Electrification Proposals

Subject:

Letter of Support for San Diego Gas & Electric proposed project on Dealer Incentives

Dear Ms. Brown:

Center for Sustainable Energy® (CSE) is pleased to offer our support San Diego Gas & Electric's (SDG&E) Dealer Incentive project contained in the SB 350 Transportation Electrification proposal. SDG&E's Dealership Incentive project is in line with CSE's goals to accelerate the electric vehicle (EV) market. Because dealerships are at the forefront and directly interacting with the customers, we support SDG&E's efforts to create a project specifically aimed at dealer incentives.

Additionally, we agree with the proposed Dealer Incentive project goal of educating and encouraging drivers to sign-up for an electric vehicle time-of-use (EV-TOU) rate when applicable to incentivize charging during times that cause minimal grid impact.

To date, CSE has helped design and administer more than \$635 million in advanced-transportation, distributed-generation, and energy-efficiency programs and services throughout the nation. This includes processing over 113,000 EV rebates amounting to over \$241 million for consumers in California, Massachusetts and Connecticut as part of statewide incentive programs. We understand the opportunities, barriers and best practices for incentivizing PEV technologies and recognize the need for all stakeholders in the EV ecosystem, including the utility, to be involved. Given our experience, we strongly recommend that SDG&E incorporate an open process to program design for the Dealer Incentive project.

Sincerely

Len Horing RADM, USN (ret

**Executive Director** 

Center for Sustainable Energy®



## FRESH FRUIT COMPANY P. O. BOX 725 \* WILMINGTON, DE \* 19720-0725 \* (302) 652-6414

Ms. Linda Brown
Sr. Director - Clean Transportation
San Diego Gas and Electric
8306 Century Park Court
San Diego, CA 92123

January 18, 2017

Subject: California Senate Bill 350 Project Proposal

Dear Ms. Brown:

On behalf of Dole Fresh Fruit Company, I am pleased with the review your company provide Dole on the proposed project. Dole understands the goal of this project is to provide and test the use of Medium and Heavy duty electric vehicle charging stations.

Dole Fresh Fruit Company has been operating a Marine terminal in the Port of San Diego since 2002, and we have a strong belief in the importance of sustainable operations. We are therefore excited about the opportunity to work with SDG&E in demonstrating this cutting-edge zero-emission vehicles and the required support equipment in the electric vehicle charging stations. We believe that such vehicles could have a positive impact on our operations in San Diego, helping to improve air quality and to reduce our firm's dependence on fossil fuels.

Dole Fresh Fruit Company is committed to work with SDG&E in this project to learn the electrical charging operation of electrical vehicles, but also how the vehicle operating needs will affect the charging cycle.

If you have any administrative questions or concerns, please address them to me at Dole Fresh Fruit Company, or by email at bob.mckenry@dole.com

Sincerely,

Robert McKenry

Director of Equipment North America

Dole Fresh Fruit Company



Julia Steyn Vice President Urban Active

General Motors Company Mail Code 482-C37-D99 300 Renaissance Center P.O. Box 300 Detroit, MI 48265-3000

January 17, 2017

Linda P. Brown, Senior Director – Clean Transportation San Diego Gas & Electric 8306 Century Park Court M/S CP42F San Diego, CA 92123

Subject: Letter of Support for San Diego Gas & Electric's Green Taxi / Rideshare Project

Dear Mrs. Linda Brown:

Maven Drive LLC, a wholly-owned subsidiary of General Motors Holding LLC (Maven/GM), is pleased to support San Diego Gas & Electric's *Green Taxi / Shuttle / Rideshare Project* and looks forward to working together to support the deployment of electric fleets, specifically targeting car share systems, transportation network companies ("TNC") and other for-hire transportation ("FHT") services. The focus of this effort is accessible, dependable infrastructure for high-mileage applications through a dedicated network of grid-integrated DC Fast Charging ("DCFC") Stations.

General Motors has a strong commitment to transportation electrification. With the best-selling plug-in electric vehicle on the road, the Chevrolet Volt, as well as the nation's first affordable, long-rage electric vehicle, the Chevrolet Bolt EV, currently arriving in showrooms across California, General Motors is a leader in the commercialization of low and zero-emission technologies. Our commitment goes beyond the automobile as General Motors envisions sustainable, urban communities. In January 2016, General Motors launched Maven, our personal mobility brand, which currently has car-sharing services in 12 markets, including Los Angeles and San Francisco. In parallel, through our partnership with Lyft, we are operating a short-term vehicle access program, Express Drive, in markets including Los Angles, San Francisco, and San Diego. Maven has been integrating Volts into the car-sharing fleet and launching efforts to offer Bolt EV as an option within Express Drive.

Implementing these broad, inclusive transportation electrification programs requires a significant amount of coordination and collaboration. Through SDG&E's pilot program, Maven/GM envisions leveraging ride-sharing, plug-in electric vehicles (PEVs), and innovative pilot programs to enhance multi-modal transportation systems in the San Diego region. Bolt EV and Volt can be a perfect fit for ride-sharing given their low operating costs. Through the connectivity of OnStar, Maven/GM is able to make the process virtually seamless for drivers. Along with the well-documented environmental benefits of

zero-emission driving, using Bolt EVs allows Maven/GM to expose, educate, and create comfort with PEV technology for both drivers and riders alike.

To ensure success, however, it is critical to work with local stakeholders—including local officials, utilities, service providers, and community groups—in order to reduce barriers and build a long-term, sustainable business model. Most notably the backbone of this system must be a convenient and reliable charging network available where and when drivers need it and at the power levels commensurate with supporting a positive use experience and building confidence in drivers. While Maven/GM is simultaneously working with industry partners, including electric vehicle service providers, SDG&E is critical to enabling a well-designed, grid-integrated charging network.

Maven/GM believes the project will eliminate a key barrier to electric vehicle adoption among TNCs: the availability of a dedicated charging network. Furthermore, such a network offers the greatest potential to generate significant electric vehicle miles travels (eVMT) in these high mileage applications. With SDG&E proposing to install, own, and operate the DCFC stations, coupled with a dynamic rate design (reflecting grid conditions and energy prices), SDG&E's is expected to induce load shifting while efficiently integrating these high mileage DCFC loads with grid, thereby generating benefits to all ratepayers through grid optimization.

Maven/GM plans to make Bolt EVs available in the SDG&E service area for deployment into Maven programs commensurate with SDG&E's pilot program. This fleet of Bolt EVs is anticipated to be available for short term rental/leases and in sharing applications according to the California rules and regulations that apply to car share systems, TNCs, and other FHT services. While multiple factors—including charging station location, charging station setting, price of fuel (per kWh), and program exclusivity—would impact the scale of deployment, Maven/GM anticipates deploying approximately 10 vehicles per DCFC, that would not otherwise be deployed without SDG&E's program.

In order to support charging station operations as utilization grows towards the full grid-optimization potential, Maven/GM has also expressed willingness to consider a monthly participation payment for an initial period of time, which could also be scaled to additional factors such as utilization, location, exclusivity. Subject to an appropriate set of terms and conditions, Maven/GM believes this could demonstrate a shared commitment to simultaneously supporting usage, grid-benefits, and deployment while working towards the California Public Utility Commission's goal of shared investment in developing a capable charging network.

Together with SDG&E, Maven/GM envisions working with local agencies, organizations, municipalities and customers for the strategic deployment of the DCFC network to maximize the utilization of these charging facilities, and increase the accessibility to clean zero emission vehicles as a viable transportation option for residents and visitors to the region. Similarly, Maven/GM envisions working with SDG&E and other community parties to support the market for these transportation services in disadvantaged communities, including potential activities such as driver recruitment, public education, and infrastructure opportunities.

Maven/GM anticipates sharing data, insights, and learning from vehicle deployment with SDG&E to enhance the understanding of the project's impact, and to inform future projects and policy. Should such data demonstrate growth and opportunity, Maven/GM would anticipate working further with SDG&E and other stakeholders to expand the grid-integrated DCFC network corresponding to the electrification growth in TNCs, FHTs, and car share systems in the years following the *Green Taxi / Shuttle / Rideshare Project* launch.

In anticipation of working through each of these overall considerations, we believe a strong opportunity exists to deploy and expose a significant number of drivers and riders to PEVs such as the Bolt EV and Volt while expanding the necessary charging infrastructure and offering workforce development opportunities.

Please do not hesitate to contact me or Alex Keros (<u>alexander.keros@gm.com</u>) directly if you have any questions about this letter or require additional information.

Sincerely,

Julia Steyn

Vice President, Urban Active

General Motors LLC

Steyn

313-665-2485

julia.steyn@gm.com



# Local Union 569 San Diego



## INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS

4545 Viewridge Avenue, Suite 100 San Diego, CA 92123-5615 (858) 569-8900

January 17, 2017

Linda Brown Senior Director of Clean Transportation San Diego Gas & Electric 8305 Century Park Ct San Diego, CA 92123

Ms. Brown:

On behalf of over 3,200 members of the International Brotherhood of Electrical Workers (IBEW) Local 569, I write in support of SDG&E's January 20<sup>th</sup>, 2017 transportation electrification filing.

The IBEW has long partnered with SDG&E on many projects, and our partnership has built one of the safest, most technologically-advanced, reliable grids in the nation. When it comes to electric vehicles (EV), we see ourselves as a key partner in this industry having participated in the San Diego Regional Electric Vehicle Infrastructure Working Group and even installing our own EV charging units at our training facility which are powered by solar and open to the public. Additionally, the IBEW and industry partners have helped launch the national Electric Vehicle Infrastructure Training Program.

SDG&E's application offers a diverse package of transportation electrification programs that will help achieve the policy goals outlined in SB 350: The Clean Energy and Pollution Reduction Act of 2015 while creating high-quality jobs here in the community. This proposal supports California's objectives to address climate change, clean our air and boost our economy and has the full support of IBEW Local 569.

0-0350-21

Sincerely,

Nicholas J. Segura, Jr.

Picholad Segund.

**Business Manager** 

NJS:dkm

opeiu #537, afl-cio, clc



Plug In America 6380 Wilshire Blvd, #1010 Los Angeles, CA 90048 (415) 323-3329

January 13, 2017

San Diego Gas and Electric c/o Linda Brown Senior Director – Clean Transportation 8306 Century Park Court San Diego, CA 92123

January 13, 2017

Re: Letter of Support for San Diego Gas and Electric Dealership Incentives

Dear Ms. Brown:

Thank you for the opportunity to provide a letter of support for the San Diego Gas and Electric (SDG&E) proposal to offer training and a monetary incentive to new car dealers and salespeople that sell plug-in electric vehicles (PEVs) in the SDG&E service territory. We commend SDG&E for its leadership in advancing dealership incentives as part of the SB 350 proposal to the California Public Utilities Commission (CPUC).

Plug in America is the national consumer voice for PEVs and works to promote policies and programs nationwide and put more PEVs on the road. Our members are passionate PEV advocates with decades of experience behind the wheel of PEVs, affording Plug In America ground level perspective and deep insight on how consumers think about PEVs and what actually inspires consumers to choose a PEV for their household.

As a key touch point in the customer purchase process, independent auto dealers play a central role in the development of the PEV market. SDG&E's proposal addresses the divergent needs of PEV customers by tackling the core concerns of <u>dealers</u>. Many struggle to justify diverting resources to support PEVs when they represent a small fraction of the dealer's monthly sales volume. Manufacturer-to-dealer incentives also wax and wain with model year changes and other internal priorities. A utility incentive would ensure a consistent price signal to encourage dealers to sell PEVs, regardless of these swings. Moreover, by combining the incentive with a certification program that delivers PEV-focused training and support, along with robust data collection and reporting, it is possible to ensure that more customers take advantage of SDG&E's special rate programs for PEVs.

The PEV market is growing quickly. From 2010 to December 2016, consumers purchased more than 561,000 plug-in cars, with sales expected to accelerate as new vehicle makes and models become available such as the Chevy Bolt and Tesla Model 3 EV. More and more drivers nationwide are making the switch to drive electric simply because PEVs are more convenient and save consumers money. Tellingly, nearly every major automaker has announced plans to produce a wider portfolio of PEV models by 2020. A groundbreaking new report by Bloomberg New Energy Finance in February 2016 showed that PEVs are progressing toward cost parity with their internal combustion engine counterparts by 2022, and certainly no later than 2026. Simply put, the PEV market is here.

We firmly believe that utilities will play an increasingly central role in meeting the needs of customers as more and more embrace PEVs and seek to take advantage of all they have to offer. We are pleased to support SDG&E's SB 350 proposal and applaud its innovative approach to address a key retail-level barrier and unlock widespread PEV adoption in its service territory. We look forward to spearheading these efforts as partners alongside SDG&E.

Sincerely,

Joel Levin

**Executive Director** 

Plug In America

OFFICERS

Ken Franke, Chairman

SPORTFISHING ASSOCIATION OF CALIFORNIA

Frank Plant

HARBORSIDE REFRIGERATED SERVICES

Sharon Bernie-Cloward, President SAN DIEGO PORT TENANTS ASSOCIATION

Claudia Valenzuela, Secretary SDG&E

Perry Wright, Treasurer CONSIDINE & CONSIDINE

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**Kip Howard** 

ALLEGIS DEVELOPMENT

**Barrett Jung** DOLE FRESH FRUIT CO.

Eric Leslie

HARROR ISLAND WEST MARINA

Didier Luneau SHERATON SAN DIEGO HOTEL & MARINA

Russell McCarthy

CONTINENTAL MARITIME

Mac McLaughlin

USS MIDWAY MUSEUM

Nusrat Mirza

CORONADO ISLAND MARRIOTT

Jack Monger INDUSTRIAL ENVIRONMENTAL ASSOCIATION

**Kevin Moriarty** 

CHULA VISTA RV RESORT & MARINA

Mike Murphy

RESIDENCE ÎNN & SPRINGHILL SUITES SAN DIEGO

DOWNTOWN BAYFRONT Steve Pagano

SAN DIEGO MARRIOT MAROUIS & MARINA

\*George Palermo, Chairman FLAGSHIP CRUISES & EVENTS

John Pasha

PASHA AUTOMOTIVE SERVICES \*H.P. "Sandy" Purdon

SHELTER COVER MARINA

**Bill Roberts** SHELTER ISLAND BOATYARD

**Todd Roberts** 

MARINE GROUP BOAT WORKS

Shevis Shima CHESAPEAKE FISH COMPANY

\*James Unger

HORNBLOWER CRUISES & EVENTS

**Bruce Walton** 

TERRAMAR RETAIL CENTERS

DIRECTORS EMERITUS \*Arthur Engel

\*Rick Ghio

\*William Hall

**Douglas Manchester** Karen McElliott

\*Edward Plant

\*Lee Wilson

STAFF

Sophie Silvestri DIRECTOR OF OPERATIONS



## SAN DIEGO PORT TENANTS ASSOCIATION

January 18, 2017

Ms. Linda Brown Sr. Director – Clean Transportation San Diego Gas & Electric 8306 Century Park Court San Diego, CA 92123

SUBJ: San Diego Port Tenants Association's (SDPTA) support of SDG&E Senate Bill 350 Pilot Project Proposal

Dear Ms. Linda Brown:

The SDPTA represents maritime, industrial, marine recreation and hospitality businesses who are tenants of the San Diego Unified Port District on San Diego Bay. The SDPTA works collaboratively with the Port District to meet the goals of the District's 2020 Climate Action Plan to reduce Green House Gases (GHG). The SDPTA was recently awarded a \$5.9 million grant by the California Energy Commission (CEC) to assist six of our industrial maritime tenants in the cargo business to electrify medium and heavy-duty freight-handling vehicles that have typically run on diesel fuel. It is necessary for our tenants to partner with agencies like the CEC, the Port District and SDG&E to reduce emissions.

Therefore, our Association enthusiastically supports the "SDG&E Senate Bill 350 Pilot Project Proposal." When enacted, SDG&E will partner with the Port District and the SDPTA tenants on viable electrification options while educating our tenants on the long-term environmental benefits of operating an electric rather than diesel-fuel fleet. Furthermore, this pilot project will log and collect data on energy use. SDG&E will collect consumption, charging and operational data from load research meters and data loggers respectively for one year after installation. Obtaining a baseline data set will facilitate analysis of how to optimize Vehicle Grid Integration (VGI) for the medium-duty/heavy-duty and forklift electric vehicle market.

SDG&E's transportation electrification pilot aims to jumpstart the necessary infrastructure/EV sector in areas that currently have little, if any, charging stations available. It will also educate our tenants on the importance of clean energy and use of smart charging habits.

We commend SDG&E for its creativity in utilizing technology that educates our tenants and the public on the importance of clean energy that ultimately will reduce GHG emissions.

Sincerely,

Sharon Bernie-Cloward

Sharm Cloward

President

## Terminalift, LLC

#### Larry Schmitz

President

9444 Mission Park Place Santee, CA 92071 619-62-2412 terminalift@yahoo.com January 17, 2017

Ms. Linda Brown Sr. Director - Clean Transportation San Diego Gas and Electric 8306 Century Park Court San Diego, CA 92123

#### Dear Ms. Brown:

Having worked at the San Diego Port for many years and being heavily involved in many endeavors to transition to utilize electrical vehicles, Terminalift, LLC is extremely interested in the Senate Bill 350 Project Proposal for Medium Duty/Heavy Duty (MD/HD) and Forklift Port Electrification.

I understand the intent of the project will be to conduct 30 – 40 installations that include a combination of components such as electric vehicle supply equipment (EVSE), load research meters and data loggers to obtain operational data and facilitate growth of MD/HD and forklift electric vehicles (EVs) in an effort to reduce greenhouse gas emissions (GHG).

While the timing of project for San Diego Gas & Electric Company (SDG&E) will begin installation of the equipment associated with this pilot after CPUC approval. SDG&E will collect data for one year. SDG&E will share its results with interested stakeholders after the data collection process is complete. SDG&E's role would be to request CPUC authorization to install, operate, maintain and own EV charging infrastructure including, but not limited to EVSE, circuits, load research meters and data loggers, to support widespread transportation electrification (TE) within The San Diego Unified Port District's (The District) tidelands for 30-40 installations.

As a long-time San Diego Unified Port District tenant, we would welcome the opportunity to be a key stakeholder, once again, working side by side with other District tenants, CEMEX, and Dole Fresh Fruits Company. It should be noted that much of The District and its tenants are located in disadvantaged communities (DACs). Finally, as a key stakeholder that has gone to great personal expense to support these projects, it is important to me that SDG&E continues to outreach with me and other local stakeholders in efforts to further leverage public-private funding to reduce GHG.

SDG&E will collect consumption, charging and operational data from load research meters and data loggers respectively for one year after installation. Obtaining a baseline data set will facilitate analysis of how to optimize Vehicle Grid Integration (VGI) for the MD/HD and forklift EV market.

Load research meters will collect consumption and charging data to evaluate energy consumption relative to time and demand. Data loggers will provide operational data such as operation specific and EV specific charging patterns. This information will aid in determining how to optimize VGI as well as electric fuel economy in order to determine optimal battery and EVSE sizes.

Optimized VGI is important for the MD/HD and forklift EV market because it will allow for better grid utilization, mitigate impacts to system and circuit peak and mitigate the need for additional power generation facilities.

I look forward to Terminalift's key role in operations to support SDG&E intentions to distribute the consumption data, that we help to collect, to it can be disseminated to the CPUC and other interested stakeholders.

Sincerely,

Larry Schmitz, Terminalift, LLC



Ms. Linda Brown
Sr. Director - Clean Transportation
San Diego Gas and Electric
8306 Century Park Court
San Diego, CA 92123

Jan 17th, 2017

Subject: TransPower Support of SDG&E's SB350 Project Proposal

Dear Ms. Brown,

TransPower is a manufacturer of Heavy Duty Electric Vehicles. TransPower is in support SDG&E's SB350 project proposal for infrastructure for heavy duty vehicles in San Diego County, CA. This project can help collect data and supporting the necessary charging infrastructure critical to the commercialization of this advanced, zero-emissions goods and people movement vehicles. The outcome of SDG&E's SB350 project will generate widespread interest in heavy duty electric vehicles, such as the buses and trucks that TransPower and our OEM partners produce.

TransPower and SDG&E have already had a successful track record in project development and execution like this project, albeit at a smaller scale. This SB350 project will continue that successful approach with larger deployments creating further market adoption and set an example for the rest of California and North America in Medium and Heavy Duty vehicle deployments.

Please accept our full support in SDG&E's SB350 project proposal.

Sincerely,

Joshua Goldman
VP of Business Development
TransPower
2415 Auto Park Way
Escondido, CA 92029
858-449-4629
joshua@transpowerusa.com
www.transpowerusa.com





Greg Cox District 1
Dianne Jacob District 2
Kristin Gaspar District 3
Ron Roberts District 4
Bill Horn District 5

January 18, 2017

Ms. Linda Brown Sr. Director - Clean Transportation San Diego Gas and Electric 8306 Century Park Court San Diego, CA 92123

Re: SDG&E Medium Duty/Heavy Duty and Forklift Port Electrification Project

Dear Ms. Brown:

The San Diego County Air Pollution Control District (District) is pleased to provide this letter of support for the SDG&E Medium Duty/Heavy Duty and Forklift Port Electrification Project.

Senate Bill 350 (2015) requires each investor-owned electric utility to submit proposals to the California Public Utilities Commission to invest in new transportation electrification projects. The proposed pilot project will expand the use of Medium Duty/Heavy Duty electric vehicles and equipment at the Port of San Diego while gathering data necessary to optimize the required infrastructure for vehicle-grid integration. This is an important step to meeting federal and state clean air standards.

As the region's air quality regulatory agency, the District is increasingly focused on opportunities to reduce emissions from conventional, fossil fueled motor vehicles and other mobile sources as they are responsible for the majority of harmful air pollutants in the region. The SDG&E proposal would supply 30-40 electric vehicle/equipment charging stations, enabling greater adoption of battery powered vehicles and cargo handling equipment at the Port, thus reducing harmful air pollutant emissions. Furthermore, the project would help meet objectives of the Port's Climate Action Plan and provides one of the best opportunities to advance the electrification of Medium Duty/Heavy Duty fleets in the region.

Because the proposed SDG&E project would reduce air pollutant emissions from Port-based Medium Duty/Heavy Duty equipment, improving local air quality and reducing greenhouse gas emissions, the District strongly supports it.

Please contact Andy Hamilton (andy.hamilton@sdcounty.ca.gov; 858-586-2641) with any questions.

Sincerely,

ROBERT J. KARD

Air Pollution Control Officer

RJK:ah



January 19, 2017

Ms. Linda Brown
Senior Director – Clean Transportation
San Diego Gas and Electric
8306 Century Park Court
San Diego, CA 92123

Subject: Support Letter for SDG&E SB350 Transportation Electrification Application

Ms. Brown:

On behalf of the San Diego County Regional Airport Authority, which owns and operates the San Diego International Airport (SAN), I wanted to express our support for San Diego Gas & Electric's application to invest in electric vehicle infrastructure and programs in response to Senate Bill 350. Specifically, Airport staff has been collaborating closely with SDG&E on two potential projects that could significantly help accelerate widespread transportation electrification in California.

The San Diego International Airport is committed to a low carbon future and is one of only 21 North American airports to be certified under the Airport Council International's Airport Carbon Accreditation program. As such, SAN has invested extensively in building efficient facilities, installing renewable energy systems, and converting its fleet vehicles to alternative fuel technologies. The two proposed projects at SAN would build off this past success and support new commercial applications for zero emission vehicles. First, new charging infrastructure at the Airport's Terminal 2 gates will allow airline partners to expand their fleet of electric ground support equipment and enable charging patterns to sync with onsite solar power generation. Likewise, EV charging stations and related incentives to support Taxi and Ridesharing Service operators will help facilitate their conversion to zero emission technologies and a region-wide shift to cleaner ground transportation options.

Again, the San Diego International Airport is pleased to partner with SDG&E on these proposals and, if funded, will continue to further develop these project concepts. If you have any questions about the Airport's involvement or ongoing climate initiatives, please feel free to contact Brendan Reed, Director of Environmental Affairs, at <a href="mailto:breed@san.org">breed@san.org</a> or 619-400-2785.

Sincerely,

Thella F. Bowens President & CEO

San Diego County Regional Airport Authority





401 B Street, Suite 800 San Diego, CA 92101-4231 (619) 699-1900 Fax (619) 699-1905 January 19, 2017

File Number 3200300

Ms. Linda Brown Senior Director - Clean Transportation San Diego Gas & Electric 830 Century Park Court San Diego, CA 92123

MEMBER AGENCIES

Cities of Carlshad Chula Vista Coronado Dei Mar El Cajon

sandag.org

Encinitas Escondido Imperial Beach La Mesa

Lemon Grove National City Oceanside

San Diego San Marcos Santee Solana Beach

Poway

Vista and

County of San Diego

ADVISORY MEMBERS

Imperial County

California Department of Transportation

> Metropolitan Transit System

North County Transit District

United States Department of Defense

> San Diego Unified Port District

San Diego County Water Authority

Southern California Tribal Chairmen's Association

Mexico

Dear Ms. Brown:

SUBJECT: Support for San Diego Gas & Electric's Electrify Local Highways Project putting Electric Vehicle Charging Infrastructure at Park and Ride

Locations

The San Diego Association of Governments (SANDAG) has been collaborating and facilitating regional electric vehicle planning efforts in support of the State's greenhouse gas emissions reduction goals, and the goal to get 1.5 million zero-emission vehicles on California's roads by 2025. As part of this effort, SANDAG has coordinated with Caltrans and San Diego Gas & Electric (SDG&E) over the last couple of years to address gaps in the San Diego region's Electric Vehicle Charging Station (EVCS) infrastructure network.

SANDAG supports SDG&E's efforts to help address the availability of publically accessible EVCS to establishing driver comfort, longer vehicle range, and widespread plug-in electric vehicle (PEV) adoption. EVCS at critical Park and Ride locations throughout the region can help overcome some of the barriers to adoption identified in the San Diego Regional PEV Readiness Plan (Readiness Plan). The Readiness Plan was developed through a grant from the California Energy Commission (CEC) awarded to SANDAG for the establishment of a regional PEV forum (San Diego Regional Electric Vehicle Infrastructure Working Group or REVI) and the development of a regional readiness plan. The Readiness Plan was accepted by the SANDAG Board of Directors as a regional resource in January 2014 and since lead to SANDAG being awarded a number of CEC grants to continue this effort.

SANDAG will continue to coordinate with Caltrans and SDG&E in helping the San Diego region overcome barriers to PEV adoption and infrastructure deployment, and supports SDG&E's filing the Electrify Local Highways Project for this regionally relevant project.

Sincerely,

CHARLES "MUGGS" STOLL

Director of Land Use and Transportation Planning

MST/ALO/asa

#### APPENDIX B

#### BALANCE SHEET AND INCOME STATEMENT AND FINANCIAL STATEMENT

#### SAN DIEGO GAS & ELECTRIC COMPANY FINANCIAL STATEMENT

Sep 30, 2016

(a) Amounts and Kinds of Stock Authorized:			
Common Stock	255,000,000	shares	Without Par Value
Amounts and Kinds of Stock Outstanding:			
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	Par Value Authorized		Interest Paid
First Mortgage Bonds:	Issue	and Issued	Outstanding	in 2015
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	
Total 1st. Mortgage Bonds:			4,216,600,275	170,265,647
4.0500/ Commercial Dance	14.40.45	F2 0F0 000	F2 0F0 000	40.777
1.050% Commercial Paper	11-19-15	53,650,000	53,650,000	18,777

TOTAL LONG-TERM DEBT 4,270,250,275
------------------------------------

## 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:

	Shares				V.	
Preferred Stock	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	-	-	-
Total	-	\$4,819,668	\$3,614,751	-	-	

Common Stock		2012	2013	2014	2015	2016
Dividend to Parent	[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 six months ended Jun 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

	1. UTILITY PLANT	2016
101 102	UTILITY PLANT IN SERVICE UTILITY PLANT PURCHASED OR SOLD	\$15,207,919,704
104	UTILITY PLANT LEASED TO OTHERS	85,194,000
105 106	PLANT HELD FOR FUTURE USE COMPLETED CONSTRUCTION NOT CLASSIFIED	11,307,728
107	CONSTRUCTION WORK IN PROGRESS	971,631,842
108 111	ACCUMULATED PROVISION FOR DEPRECIATION OF UTILITY PLANT ACCUMULATED PROVISION FOR AMORTIZATION OF UTILITY PLANT	(4,813,786,126) (618,159,664)
114 115	ELEC PLANT ACQUISITION ADJ ACCUM PROVISION FOR AMORT OF ELECTRIC PLANT ACQUIS ADJ	3,750,722 (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	
	TOTAL NET UTILITY PLANT	11,667,422,291
	2. OTHER PROPERTY AND INVESTMENTS	
121 122	NONUTILITY PROPERTY ACCUMULATED PROVISION FOR DEPRECIATION AND	5,946,616
	AMORTIZATION	(364,300)
158 123	NON-CURRENT PORTION OF ALLOWANCES INVESTMENTS IN SUBSIDIARY COMPANIES	183,299,834
124 125	OTHER INVESTMENTS SINKING FUNDS	-
128	OTHER SPECIAL FUNDS	1,067,734,851
175	LONG-TERM PORTION OF DERIVATIVE ASSETS	89,061,624
	TOTAL OTHER PROPERTY AND INVESTMENTS	1,345,678,625

Data from SPL as of Dec 21, 2016

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

	3. CURRENT AND ACCRUED ASSETS	2016
131 132 134 135 136 141 142 143 144 145 146 151 152 154 158 163 164 165 171 173 174 175	CASH INTEREST SPECIAL DEPOSITS OTHER SPECIAL DEPOSITS WORKING FUNDS TEMPORARY CASH INVESTMENTS NOTES RECEIVABLE CUSTOMER ACCOUNTS RECEIVABLE OTHER ACCOUNTS RECEIVABLE ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS NOTES RECEIVABLE FROM ASSOCIATED COMPANIES ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES FUEL STOCK FUEL STOCK EXPENSE UNDISTRIBUTED PLANT MATERIALS AND OPERATING SUPPLIES OTHER MATERIALS AND SUPPLIES ALLOWANCES LESS: NON-CURRENT PORTION OF ALLOWANCES STORES EXPENSE UNDISTRIBUTED GAS STORED PREPAYMENTS INTEREST AND DIVIDENDS RECEIVABLE ACCRUED UTILITY REVENUES MISCELLANEOUS CURRENT AND ACCRUED ASSETS DERIVATIVE INSTRUMENT ASSETS LESS: LONG -TERM PORTION OF DERIVATIVE INSTRUMENT ASSETS  TOTAL CURRENT AND ACCRUED ASSETS	3,225,697 - - 500 - - 291,510,593 17,281,917
	4. DEFERRED DEBITS	
181 182 183 184 185 186 188 189	UNAMORTIZED DEBT EXPENSE UNRECOVERED PLANT AND OTHER REGULATORY ASSETS PRELIMINARY SURVEY & INVESTIGATION CHARGES CLEARING ACCOUNTS TEMPORARY FACILITIES MISCELLANEOUS DEFERRED DEBITS RESEARCH AND DEVELOPMENT UNAMORTIZED LOSS ON REACQUIRED DEBT ACCUMULATED DEFERRED INCOME TAXES	33,259,838 3,271,977,857 174,137 1,810,748 - 25,469,365 - 12,805,692 276,823,237
	TOTAL DEFERRED DEBITS	3,622,320,874
	TOTAL ASSETS AND OTHER DEBITS	17,442,076,805

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

5 DDODDIETADY CADITAL	
5. PROPRIETARY CAPITAL	2016
COMMON STOCK ISSUED	(\$291,458,395)
PREFERRED STOCK ISSUED PREMIUM ON CAPITAL STOCK	- (591,282,978)
GAIN ON RETIRED CAPITAL STOCK MISCELLANEOUS PAID-IN CAPITAL	- (479,665,368)
CAPITAL STOCK EXPENSE	24,605,640
	(4,159,610,448)
ACCUMULATED OTHER COMPREHENSIVE INCOME	7,454,042
TOTAL PROPRIETARY CAPITAL	(5,489,957,507)
6. LONG-TERM DEBT	
BONDS	(4,348,934,000)
	(53,652,271)
UNAMORTIZED PREMIUM ON LONG-TERM DEBT	-
UNAMORTIZED DISCOUNT ON LONG-TERM DEBT	10,844,745
TOTAL LONG-TERM DEBT	(4,391,741,526)
7. OTHER NONCURRENT LIABILITIES	
OBLIGATIONS UNDER CAPITAL LEASES - NONCURRENT	(599,278,895)
	(27,487,869) (231,535,407)
	(201,000,401)
LONG TERM PORTION OF DERIVATIVE LIABILITIES	(189,242,492)
ASSET KETIKEMENT UBLIGATIONS	(830,185,747)
TOTAL OTHER NONCURRENT LIABILITIES	(1,877,730,410)
	PREFERRED STOCK ISSUED PREMIUM ON CAPITAL STOCK GAIN ON RETIRED CAPITAL STOCK MISCELLANEOUS PAID-IN CAPITAL CAPITAL STOCK EXPENSE UNAPPROPRIATED RETAINED EARNINGS ACCUMULATED OTHER COMPREHENSIVE INCOME  TOTAL PROPRIETARY CAPITAL  6. LONG-TERM DEBT  BONDS ADVANCES FROM ASSOCIATED COMPANIES OTHER LONG-TERM DEBT UNAMORTIZED PREMIUM ON LONG-TERM DEBT UNAMORTIZED DISCOUNT ON LONG-TERM DEBT  TOTAL LONG-TERM DEBT  7. OTHER NONCURRENT LIABILITIES  OBLIGATIONS UNDER CAPITAL LEASES - NONCURRENT ACCUMULATED PROVISION FOR INJURIES AND DAMAGES ACCUMULATED PROVISION FOR PENSIONS AND BENEFITS ACCUMULATED MISCELLANEOUS OPERATING PROVISIONS LONG TERM PORTION OF DERIVATIVE LIABILITIES ASSET RETIREMENT OBLIGATIONS

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

	8. CURRENT AND ACCRUED LIABILITES	2016
231 232	NOTES PAYABLE ACCOUNTS PAYABLE	0 (458,932,832)
233 234 235 236 237 238	NOTES PAYABLE TO ASSOCIATED COMPANIES ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES CUSTOMER DEPOSITS TAXES ACCRUED INTEREST ACCRUED DIVIDENDS DECLARED	(30,369,955) (71,096,853) (31,114,618) (51,875,190)
241 242 243 244 244 245	TAX COLLECTIONS PAYABLE MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES OBLIGATIONS UNDER CAPITAL LEASES - CURRENT DERIVATIVE INSTRUMENT LIABILITIES LESS: LONG-TERM PORTION OF DERIVATIVE LIABILITIES DERIVATIVE INSTRUMENT LIABILITIES - HEDGES	(4,345,924) (158,209,952) (42,637,444) (235,052,849) 189,242,492
	TOTAL CURRENT AND ACCRUED LIABILITIES	(894,393,125)
	9. DEFERRED CREDITS	
252 253 254 255 257 281 282 283	CUSTOMER ADVANCES FOR CONSTRUCTION OTHER DEFERRED CREDITS OTHER REGULATORY LIABILITIES ACCUMULATED DEFERRED INVESTMENT TAX CREDITS UNAMORTIZED GAIN ON REACQUIRED DEBT ACCUMULATED DEFERRED INCOME TAXES - ACCELERATED ACCUMULATED DEFERRED INCOME TAXES - PROPERTY ACCUMULATED DEFERRED INCOME TAXES - OTHER	(58,572,012) (396,625,895) (1,432,723,743) (21,296,716) - - (2,140,209,421) (738,826,450)
	TOTAL DEFERRED CREDITS	(4,788,254,237)
	TOTAL LIABILITIES AND OTHER CREDITS	(\$17,442,076,805)

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

#### 1. UTILITY OPERATING INCOME

400       OPERATING REVENUES         401       OPERATING EXPENSES       \$2,138,908,388         402       MAINTENANCE EXPENSES       112,553,958         403-7       DEPRECIATION AND AMORTIZATION EXPENSES       452,335,938         408.1       TAXES OTHER THAN INCOME TAXES       96,977,236         409.1       INCOME TAXES       106,317,456         410.1       PROVISION FOR DEFERRED INCOME TAXES       221,561,58°         411.1       PROVISION FOR DEFERRED INCOME TAXES - CREDIT       (130,819,978)         411.4       INVESTMENT TAX CREDIT ADJUSTMENTS       2,567,786         411.6       GAIN FROM DISPOSITION OF UTILITY PLANT       -	5 5 5 1 8)
TOTAL OPERATING REVENUE DEDUCTIONS	3,000,402,354
NET OPERATING INCOME	516,130,173
2. OTHER INCOME AND DEDUCTIONS	
415 REVENUE FROM MERCHANDISING, JOBBING AND CONTRACT WORK 417 REVENUES OF NONUTILITY OPERATIONS 417.1 EXPENSES OF NONUTILITY OPERATIONS 418 NONOPERATING RENTAL INCOME 418.1 EQUITY IN EARNINGS OF SUBSIDIARIES 419 INTEREST AND DIVIDEND INCOME 419.1 ALLOWANCE FOR OTHER FUNDS USED DURING CONSTRUCTION 421 MISCELLANEOUS NONOPERATING INCOME 421.1 GAIN ON DISPOSITION OF PROPERTY  TOTAL OTHER INCOME 42,546,993	} 
421.2       LOSS ON DISPOSITION OF PROPERTY       -         425       MISCELLANEOUS AMORTIZATION       187,536         426       MISCELLANEOUS OTHER INCOME DEDUCTIONS       3,503,544         TOTAL OTHER INCOME DEDUCTIONS       3,691,080         408.2       TAXES OTHER THAN INCOME TAXES       479,073         409.2       INCOME TAXES       (272,293)         410.2       PROVISION FOR DEFERRED INCOME TAXES       5,805,033	<u>)</u> 3 7)
411.2 PROVISION FOR DEFERRED INCOME TAXES - CREDIT (1,535,703)  TOTAL TAXES ON OTHER INCOME AND DEDUCTIONS 4,476,104	<del></del>
TOTAL OTHER INCOME AND DEDUCTIONS	34,379,809
INCOME BEFORE INTEREST CHARGES EXTRAORDINARY ITEMS AFTER TAXES NET INTEREST CHARGES* NET INCOME	550,509,982 0 131,467,842 \$419,042,140

\*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

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	\$4,159,610,448

# APPENDIX C STATEMENT OF PRESENT RATES



Cal. P.U.C. Sheet No.

28302-E

Canceling Revised Cal. P.U.C. Sheet No.

28245-E

Т

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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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1C6 Advice Ltr. No. 3015-E Decision No.

Issued by Dan Skopec Vice President Regulatory Affairs

Date Filed Effective

Dec 9, 2016

Jan 1, 2017

M-4830 Resolution No.



Revised Cal. P.U.C. Sheet No.

28130-E

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28251-E

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2C6 Issued by Date Filed Nov 14, 2016 Dan Skopec 3001-E Advice Ltr. No. Effective Dec 14, 2016 Vice President Decision No. E-4805 Regulatory Affairs Resolution No.

(Continued)



San Diego Gas & Electric Company San Diego, California

Decision No.

Revised Cal. P.U.C. Sheet No.

28162-E

Canceling Revised Cal. P.U.C. Sheet No.

28004-E

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Outreach Memorandum Account (ECRME&OMA		2743	
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_	an Skopec		
	/ico Procident	Effective Dec 15	), ∠∪1

Vice President

Regulatory Affairs

Resolution No.



Revised Cal. P.U.C. Sheet No.

28237-E

Canceling Revised Cal. P.U.C. Sheet No.

28135-E

Sheet 4

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Advice Ltr. No.	2996-E Dan Skopec	Effective Aug 1, 201	6

Vice President

Regulatory Affairs

Resolution No.

16-06-054

Decision No.



San Diego Gas & Electric Company San Diego, California

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Advice Ltr. N	lo. 3015-E Dan Skopec Vice President	Effective	Jan 1, 2017
Decision No.		Resolution No	o. <u>M-4830</u>



Revised

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6C5 Date Filed Nov 28, 2016 Issued by **Dan Skopec** Advice Ltr. No. 3010-E Effective Dec 28, 2016 Vice President Regulatory Affairs Decision No. D.16-10-025 Resolution No.



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Dan Skopec

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9C5 Issued by Date Filed May 2, 2016
Advice Ltr. No. 2888-E Dan Skopec Effective Jun 1, 2016
Vice President
Decision No. Regulatory Affairs Resolution No.



San Diego Gas & Electric Company Canceling

Cal. P.U.C. Sheet No. Revised

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4.40.05000	00.40	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
		Rule 21 Pre-Application Report Request	
142-05204	07-16		
142-05205	07-02	Optional Binding Mandatory Curtailment Plan Contract	17729-E
4 40 05007	08-16	Base Interruptible Program Contract	28073-E
142-05207	04-01	No Insurance Declaration	15476-E
142-05207 142-05209	06-04	Rolling Blackout Reduction Program Contract	18273-E
142-05209	00-0 <del>-1</del>	Bill Protection Application	18273-E
142-05209 142-05210	06 04		10273-
142-05209 142-05210 142-05211	06-04		
142-05209 142-05210 142-05211 142-05212	07-03	Demand Bidding Program Non-Disclosure Agreement	17152-E
142-05209 142-05210 142-05211			

(Continued) Date Filed Issued by **Dan Skopec** 

10C6

Advice Ltr. No. 2946-E Effective Sep 23, 2016 Vice President

Regulatory Affairs Decision No. D.16-06-029 Resolution No.



San Diego Gas & Electric Company San Diego, California

Cal. P.U.C. Sheet No. Revised

27995-E

Canceling Revised Cal. P.U.C. Sheet No.

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		SAMPLE FORMS	
Form No	Data	Applications Agreements and Centrasts	Cal. P.U.C.
<u>Form No.</u> 142-05216	<u>Date</u> 04-06	Applications, Agreements and Contracts  Notice to Add, Change or Terminate Third Party Marketer for BIP	<u>Sheet No.</u> 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
142-05216-N 142-05300	10-06	Capacity Bidding Program Customer Contract	19664-E
142-05300	10-06	Aggregator Agreement for Capacity Bidding Program (CBP)	26161-E
	10-06		20101-⊏
142-05302	10-06	Notice to Add, Change, or Terminate Aggregator for Capacity Bidding Program	26162-E
142 05202	10.06		
142-05303 142-05213	10-06 07-03	Notice by Aggregator to Add or Delete Customer	26163-E 16568-E
142-05213		Technical Assistance Incentive Application	
	11-12 11-12	Technical Incentive Program Application	23264-E 23265-E
142-05219/1		Technical Incentive Program Agreement	
142-0541	06-02	Customer Generation Agreement	15384-E
142-0542	08-16	Generating Facility Interconnection Agreement	27989-E
440.0540	00.46	(3 <sup>rd</sup> Party Inadvertent Export)	27000 =
142-0543	08-16	Generating Facility Interconnection Agreement	27990-E
440.0544	00.40	(3 <sup>rd</sup> Party Non-Exporting)	07004 5
142-0544	08-16	Generating Facility Interconnection Agreement	27991-E
440.0545	00.00	(Inadvertent Export)	40000 5
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 143-02761	12-12 01-12	Six Month Notice to Return to Direct Access Service Six Month Notice to Return to Bundled Portfolio Service	23319-E 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
110 02100	31.10	5. Altone to Transfer to Bre Buildy OLTF	2.700 =
		(0 - 1 - 1)	

(Continued)

Issued by **Dan Skopec** Vice President Regulatory Affairs Date Filed Aug 8, 2016 Effective Sep 7, 2016

Decision No. 16-06-052

2939-E

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Advice Ltr. No.

Resolution No.



San Diego Gas & Electric Company San Diego, California Revised Cal. P.U.C. Sheet No.

Cal. P.U.C. Sheet No.

\_\_\_\_\_27123-E

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144-0810	03-08	Critical Peak Pricing (CPP) Opt-Out Form	20594-E
144-0811	03-08	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	00-13		27106-E
144-0821	01-16	CISR-DRP	27100-E 27107-E
	06-09	DRP Service Agreement	21271-E
165-1000 165-1000/1	06-09	Participating Load Pilot Customer Contract	21271-E 22047-E
	06-10	Demand Response Wholesale Market Pilot Customer Contract	
165-1001		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
183-3000	11-16	Submeter MDMA Registartion Agreement (Phase 2)	28245-E
183-4000	11-16	Single Customer Electric Vehicle Submetering Pilot (Phase 2)	28246-E
183-5000	11-16	Multiple Customer Electric Vehicle Submetering Pilot (Phase 2)	28247-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
107 1000	04.45		
187-1000 187-2000	04-15 04-15	Rule 33 Standard Non-Disclosure Agreement (NDA)	26294-E
	11-14	Rule 33 Terms of Service Acceptance Form	26295-E
189-1000		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 Enhanced Community Renewables	00074 F
		Program Project Development Tariff Rider and Amendment <u>Deposits, Receipts and Guarantees</u>	26874-E
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
100 1100 =	00 00	Bills and Statements	2000 2
108-01214	03-14	Residential Meter Re-Read Verification	24576-E
110-00432	03-14	Form of Bill - General, Domestic, Power, and Lighting Service -	2-7010°L
110 00-102	00-17	Opening, Closing, and Regular Monthly Statements	25174-E
	03-14	Form of Bill - Pink Past Due Format	24578-E
110-00432/2			

(Continued)

 12C5
 Issued by

 Advice Ltr. No.
 2910-E-B
 Dan Skopec

 Vice President
 Vice President

 Decision No.
 D.13-11-002
 Regulatory Affairs

 Date Filed
 Nov 10, 2016

 Effective
 Jul 31, 2016

Resolution No.



Revised Cal. P.U.C. Sheet No.

25423-E

26298-E

Canceling Revised Cal. P.U.C. Sheet No.

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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 0075011	04.44	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	24581-E
101-01071	04-11	Bill, and Notice of Past Due Closing Bill Final Notice	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
101-02172 101-2452G	03-14	Notice to Tenants - Request for Termination of Gas and Electric	24302-E
101-24520	02-04	Service Customer Payment Notification	16959-E
		Service customer rayment notification	10939-⊏
		Operation Notices	
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	2010 2
101 07212	7 00	(English & Spanish)	12055-E
115-00363/2	9-00	Sorry We Missed You	13905-E
115-00305/2	9-00	Electric Meter Test.	13906-E
115-7152A	0 00	Access Problem Notice	3694-E
124-70A		No Service Tag	2514-E
12-7 10/1		110 0011100 149	20 1 - L

13C6		Issued by	Date Filed	Apr 28, 2015
Advice Ltr. No.	2734-E	Lee Schavrien	Effective	May 1, 2015
		Senior Vice President		-

Regulatory Affairs

Resolution No.

Decision No. D.14-05-016

# APPENDIX D STATEMENT OF PROPOSED RATE INCREASE

The Table below presents the illustrative class average electric rate impacts (i.e., rate increases) associated with the proposals and related revenue requirements proposed in this Application for the period 2018 through 2021. Further details regarding the proposed rate designs and revenue requirements can be found in the direct testimony of Cynthia Fang (Chapter 5) and direct testimony of Michael A. Calabrese (Chapter 6).

#### **Class Average Rates Impact**

		20	<u>18</u>	<u>20</u>	19	<u>20</u>	<u>20</u>	<u>20</u>	<u>21</u>
			% Change		% Change		% Change		% Change
	Current	Proposed	from	Proposed	from	Proposed	from	Proposed	from
	1/1/17	Rate	Current	Rate	Current	Rate	Current	Rate	Current
Residential	24.896	24.881	-0.06%	24.876	-0.08%	25.044	0.59%	25.079	0.74%
Small Comm.	23.399	23.384	-0.06%	23.380	-0.08%	23.542	0.61%	23.576	0.76%
Med & Lg C&I	19.374	19.366	-0.04%	19.364	-0.05%	19.457	0.43%	19.477	0.53%
Agriculture	17.389	17.380	-0.05%	17.377	-0.07%	17.482	0.53%	17.504	0.66%
Lighting	19.565	19.556	-0.05%	19.554	-0.06%	19.647	0.42%	19.667	0.52%
System Total	21.783	21.771	-0.06%	21.768	-0.07%	21.896	0.52%	21.923	0.64%

# APPENDIX E COST OF PROPERTY AND DEPRECIATION RESERVE

#### SAN DIEGO GAS & ELECTRIC COMPANY

## COST OF PROPERTY AND DEPRECIATION RESERVE APPLICABLE THERETO AS OF SEPTEMBER 30, 2016

Ma	A	Original	Reserve for Depreciation and
No.	Account	Cost	<u>Amortization</u>
ELECT	RIC DEPARTMENT		
302	Franchises and Consents	222,841.36	202,900.30
303	Misc. Intangible Plant	151,497,281.44	76,910,726.58
	TOTAL INTANGIBLE PLANT	151,720,122.80	77,113,626.88
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
	TOTAL STEAM PRODUCTION	546,316,779.88	207,349,119.03
320.1	Land	0.00	0.00
320.1	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)
	TOTAL NUCLEAR PRODUCTION	0.00	0.00
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
	TOTAL OTHER PRODUCTION	532,160,430.68	202,322,139.89
	TOTAL ELECTRIC PRODUCTION	1,078,477,210.56	409,671,258.92

No.	<u>Account</u>	Original Cost	Reserve for Depreciation and <u>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 SysTransformers	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
392.1 392.2	Transportation Equipment - Autos Transportation Equipment - Trailers	0.00	49,884.21
392.2	·	58,145.67	12,899.80 8,293.21
393 394.1	Stores Equipment Portable Tools	8,545.97	8,401,335.51
394.1	Shop Equipment	24,742,917.67 341,135.67	251,293.60
394.2 395	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
000			
	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

No.	<u>Account</u>	Original Cost	Reserve for Depreciation and <u>Amortization</u>
GAS PI	ANT		
302 303	Franchises and Consents Miscellaneous Intangible Plant	86,104.20 0.00	86,104.20 0.00
	TOTAL INTANGIBLE PLANT	86,104.20	86,104.20
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
363.5 363.6	Other Equipment  LNG Distribution Storage Equipment	0.00 2,242,164.87	0.00 1,053,802.03
	TOTAL STORAGE PLANT	2,242,164.87	1,053,802.03
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 Mains	15,181,057.58	9,953,684.86
367 368	Compressor Station Equipment	222,335,086.03 85,295,170.69	73,755,335.96 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
	TOTAL TRANSMISSION PLANT	350,774,671.27	170,033,842.54
074.4	Lord	400 407 04	2.22
374.1	Land Dights	102,187.24	0.00
374.2 375	Land Rights	8,311,050.46	6,850,716.04 61,253.10
376	Structures and Improvements Mains	43,446.91 781,868,494.99	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 Equipme	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
	TOTAL DISTRIBUTION PLANT	1,330,168,168.63	772,681,454.74

No.	<u>Account</u>	Original Cost	Reserve for Depreciation and <u>Amortization</u>
392.1	Transportation Equipment - Autos	0.00	25,503.00
392.1	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	12,770,450.98	5,494,443.15
101	TOTAL GAS PLANT	1,696,041,559.95	949,349,646.66
СОММО	ON PLANT		
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
391.2 392.1	Office Furniture and Equipment - Computer E Transportation Equipment - Autos	49,714,206.29	28,703,180.78 (338,930.17)
392.1	Transportation Equipment - Autos  Transportation Equipment - Trailers	408,259.35 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	1,019,237,569.59	503,888,563.99
	TOTAL ELECTRIC PLANT	12,537,089,117.36	4 104 470 757 07
	TOTAL GAS PLANT	1,696,041,559.95	4,184,479,757.87 949,349,646.66
	TOTAL GAS FLANT	1,019,237,569.59	503,888,563.99
		1,010,207,000.00	4,184,479,757.87
101 & 118.1	TOTAL _	15,252,368,246.90	5,637,717,968.52
101	PLANT IN SERV-SONGS FULLY RECOVER_	0.00	0.00
101	PLANT IN SERV-ELECTRIC NON-RECON		
	Electric	0.00	0.00
	Gas	0.00	0.00
	_	0.00	0.00

No.	<u>Account</u>	Original Cost	Reserve for Depreciation and <u>Amortization</u>
101	PLANT IN SERV-ASSETS HELD FOR SALE Electric Common	0.00 0.00 0.00	0.00 0.00 0.00
101	PLANT IN SERV-LEGACY METER RECLASS Electic	0.00	0.00
101	PLANT IN SERV-PP TO SAP OUT OF BAL Electic	0.00	0.00
118	PLANT IN SERV-COMMON NON-RECON Common - Transferred Asset Adjustment	(1,627,745.96)	(1,627,745.96)
101	Accrual for Retirements Electric Gas	(4,945,448.07) (321,418.44)	(4,945,448.07) (321,418.44)
	TOTAL PLANT IN SERV-ACCRUAL FOR RE_	(5,266,866.51)	(5,266,866.51)
102	Electric Gas	0.00 0.00	0.00 0.00
	TOTAL PLANT PURCHASED OR SOLD	0.00	0.00
104	Electric Gas	85,194,000.02 0.00	13,551,803.70 0.00
	TOTAL PLANT LEASED TO OTHERS	85,194,000.02	13,551,803.70
105	Plant Held for Future Use Electric Gas	11,307,727.50 0.00	0.00
	TOTAL PLANT HELD FOR FUTURE USE	11,307,727.50	0.00
107	Construction Work in Progress Electric Gas Common TOTAL CONSTRUCTION WORK	734,092,930.18 237,538,912.28 62,850,082.68	
	IN PROGRESS	1,034,481,925.14	0.00
108	Accum. Depr SONGS Mitigation/Spent Fuel Dis	allowance	0.00

No.	<u>Account</u>	Original Cost	Reserve for Depreciation and <u>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
101.1 118.1	ELECTRIC CAPITAL LEASES COMMON CAPITAL LEASE	852,823,281.00 20,629,802.04 873,453,083.04	211,348,459.00 20,188,285.23 231,536,744.23
120 120	NUCLEAR FUEL FABRICATION SONGS PLANT CLOSURE-NUCLEAR FUEL_	62,963,775.37 (62,963,775.37)	40,861,208.00 (40,861,208.00)
143	FAS 143 ASSETS - Legal Obligation SONGS Plant Closure - FAS 143 contra FIN 47 ASSETS - Non-Legal Obligation	1,379,851.00 0.00 89,304,473.36	(1,063,102,174.89) 0.00 32,338,149.81
143	FAS 143 ASSETS - Legal Obligation  TOTAL FAS 143	90,684,324.36	(1,453,723,157.35) (2,484,487,182.43)
	UTILITY PLANT TOTAL	17,340,594,694.49	4,458,250,863.64

# APPENDIX F SUMMARY OF EARNINGS

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

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

# APPENDIX G GOVERNMENTAL ENTITIES RECEIVING NOTICE

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 Department of U.S. Administration General Services Administration 300 N. Los Angeles St. #3108 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 La Mesa Attn. City Clerk 8130 Allison Avenue La Mesa, CA 91941

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

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

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

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

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

County of San Diego Attn. County Counsel 1600 Pacific Hwy 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 Santee Attn. City Clerk 10601 Magnolia Avenue Santee, CA 92071 City of Lakeside Attn. City Clerk 9924 Vine Street Lakeside CA 92040

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

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

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

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

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

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

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

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

City of Santee Attn. City Attorney 10601 Magnolia Avenue Santee, CA 92071 City of La Mesa Attn. City Attorney 8130 Allison Avenue La Mesa, CA 91941

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

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

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

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

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

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

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

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

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

City of Vista Attn. City Clerk 200 Civic Center Drive Vista, CA 92084 Valley Center Chamber of Commerce Attn. City Clerk P.O. Box 8 Valley Center, CA 92082

City of Aliso Viejo 12 Journey Aliso Viejo, CA 92656 City of Vista Attn. City Attorney 200 Civic Center Drive, Bldg. K Vista, CA 92084