Application No.: A.20-04-

Exhibit No.:

Ana Garza-Beutz Witness:

PREPARED DIRECT TESTIMONY OF **ANA GARZA-BEUTZ** ON BEHALF OF

SAN DIEGO GAS & ELECTRIC COMPANY

REDACTED, PUBLIC VERSION

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA



April 15, 2020

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PREPARED DIRECT TESTIMONY OF ANA GARZA-BEUTZ ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

I. PURPOSE AND OVERVIEW

My testimony presents San Diego Gas & Electric Company's ("SDG&E's") 2019¹ costs for greenhouse gas ("GHG") compliance instruments used to satisfy its compliance obligations under the California Air Resources Board's ("ARB") cap-and-trade program pursuant to Assembly Bill ("AB") 32. My testimony also includes SDG&Es' 2019 revenues related to the sale of its allowance allocation.² Appendix A of this testimony includes SDG&E's Weighted Average Cost calculation ("WAC") as required in Decision ("D.") 14-10-033, subsequently corrected in D.14-10-055, D.15-01-024 and D.19-04-016. The purpose of this testimony is to present both SDG&E's 2019 costs and revenues as well as SDG&E's WAC calculation, in accordance with applicable decisions. The following sections describe the cap-and-trade program and detail SDG&E's 2019 actual revenues and estimated costs. These costs and revenues are further adjusted to recorded numbers for the purposes of reconciliation as further explained in the testimony of SDG&E witnesses Ms. Chihwaro and Ms. Fuhrer.³

The 2018 volumes and costs became final in September 2019 and were reported as part of SDG&E's Updated 2020 ERRA Forecast Filing (Application ("A.") 19-04-010); thus the 2018 volumes and costs were not reported in my April 2020 testimony. The 2019 estimated emissions and costs reported in this testimony are subject to change due to emission verification for all of 2019. Additionally, this testimony does not include 2020 emissions, costs and revenues since only January and February estimates are available at this time. In my November 2020 update of this testimony, I will include estimated costs and revenues for January through September of 2020 and forecasts for October – December 2020, all of which are subject to change when actualized and/or verified.

The 2019 emissions and costs are subject to change due to emission verification which will become final in August-September 2020. 2019 revenues, however, are now final.

³ SDG&E witness Mr. Covic provides a forecast of the 2021 GHG costs.

II. BACKGROUND

A. AB 32 Background

The Global Warming Solutions Act of 2006, also referred to as AB 32,⁴ establishes a goal of reducing California's GHG emissions to the 1990 level by 2020. The statute grants ARB broad authority to regulate GHG emissions to reach this target. ARB's Scoping Plan includes a recommendation that California adopt a portfolio of emissions reduction measures, including a California GHG cap-and-trade program.⁵

In October 2011, ARB released its Final Regulation Order, which was approved by its Board and by the Office of Administrative Law ("OAL") in December 2011.⁶ The ARB regulations create a GHG emissions allowance cap-and-trade system, with compliance obligations in the electricity sector applicable to "first deliverers of electricity" that emit more than 25,000 Metric Tons ("MT") of GHG. The regulation requires that first deliverers of electricity, including investor-owned utilities ("IOUs") such as SDG&E, obtain all the compliance instruments required to meet their compliance obligations by November 1 of the year following the end of a compliance period. Compliance instruments consist of allowances and offsets. An allowance is a limited, tradable authorization to emit up to one MT of carbon dioxide equivalent ("CO2e") and an offset is a project that reduces GHG in sectors outside of those covered in the cap-and-trade program.⁸

⁴ AB 32, Stats. 2005-2006, Ch. 488 (Cal. 2006).

State of California Air Resources Board, *California Cap-and-Trade Program, Resolution 11-32* (October 20, 2011) at 3-4 *available at*: https://www.arb.ca.gov/regact/2010/capandtrade10/res11-32.pdf.

The ARB Final Regulation Order from December 2011 is codified at 17 California Code of Regulations section ("§") 95800 *et seq.* and is also *available at*: http://www.arb.ca.gov/regact/2010/capandtrade10/capandtrade10.htm.

[&]quot;First deliverers of electricity" is defined in § 95811(b) of ARB's Final Regulation Order as electricity generators inside California and electricity importers.

⁸ Refer to § 95801 of ARB's Final Regulation Order for definitions.

Section 95892(b) of ARB's Final Regulation Order establishes that IOUs are required to sell all their free allowances and acquire an amount equal to their direct compliance obligations. There are also annual requirements to surrender at least 30% of expected annual obligations each year by November 1 of the following year.

B. GHG Actual Revenue

The revenues discussed in my testimony result from the sale of allowances allocated to SDG&E by ARB for the benefit of its ratepayers. ARB requires that the allowances that are allocated annually to the IOUs be made available for sale at the ARB auctions. Allowances given to the IOUs must all be consigned by the last auction of that year. Except for the November 2012 auction, where ARB specified the amount that each IOU needed to auction, all other amounts consigned at auctions are up to the discretion of each IOU, provided the entire annual volume is consigned by the end of each year. Revenues are calculated by multiplying the volume sold by the auction settlement price. The revenues presented in this testimony consist of allowances sold in the 2019 February, May, August, and November auctions.

C. GHG Estimated Emission Volumes

The 2019 direct emissions will be the estimated/calculated GHG emissions for: (1) SDG&E's California utility-owned generation ("UOG"), (2) California generators with whom SDG&E has contracts where SDG&E is responsible for GHG costs, (3) estimated emissions associated with SDG&E imports of both specified electricity and unspecified electricity, and (4) Renewable Portfolio Standard adjustment ("RPS Adjustment"). The RPS Adjustment, which reduces a compliance entity's direct compliance obligation, is calculated by multiplying the out-of-state renewable megawatt-hours ("MWh") eligible for RPS adjustment by the ARB assigned unspecified emission factor. The 2019 direct volumes may change because they are subject to: (1) emission estimates and emission reporting verification, (2) changing emission factors, and (3)

contractual requirements for reviewing tolling agreement emissions for potential reductions. If there are such changes, they will be reflected in future testimony.

The 2019 indirect emissions are estimated emissions based on net purchases from the California electricity market controlled by the California Independent System Operator Corporation ("CAISO") measured in MWh and multiplied by the ARB assigned unspecified emission factor. Indirect emissions are not overseen by ARB. Indirect emissions are comprised of estimated GHG emissions for which SDG&E was exposed because of purchasing power from third parties. The 2019 indirect emissions within this testimony are those calculated in SDG&E's 2019 ERRA Forecast Application and will be updated in my Updated 2021 ERRA Forecast testimony in November 2020.

D. GHG Cost Categories

The costs outlined in my testimony are broken down into two categories of GHG costs: direct costs and indirect costs. SDG&E defines direct costs of a given compliance year as the net cost of procuring compliance instruments that can be used to satisfy SDG&E's compliance year obligation. SDG&E defines indirect costs of a given compliance year as the GHG compliance costs embedded in the price of electricity delivered in that year, which are passed on from sellers.

Section III below addresses the carbon price for 2019. Section IV.A addresses direct GHG emissions associated with SDG&E's UOG plants, procurement of electricity from tolling agreements, electricity imports attributed to SDG&E, and credits from SDG&E's eligible RPS Adjustment. Section IV.B addresses the approximate 2019 indirect GHG emissions for which SDG&E paid as GHG costs embedded in electricity prices charged by third parties to SDG&E

under contract for various supplies.⁹ Section IV.C summarizes the GHG costs based on the carbon prices in Section III and emissions in Sections IV.A and IV.B.

III. CARBON PRICE METHODOLOGY

A. Price for Direct GHG Emissions

SDG&E has used and continues to use the WAC of Compliance Instruments by compliance period recorded monthly, as described in D.19-04-016 which modified Attachment C of D.14-10-033 (subsequently corrected by D.14-10-055 and D.15-01-024) to calculate its direct emissions pricing.

The 2019 WAC price shown below is based on the sum of 2019 monthly balancing account entries as found in Attachment A of this testimony and the 2019 emission volumes as described in section IV.A. The WAC calculations in Attachment A were calculated utilizing the approach detailed in D.19-04-016. Attachment A below includes the calculations recorded in SDG&E's balancing accounts through December 31, 2019.

The WAC price is listed in the table below:

Jan-Dec 2019 WAC (\$/MT)

B. Price for Indirect Emissions

The embedded GHG costs for indirect emissions are estimated by using the average CAISO GHG Allowance Price Indices, as listed in the table below. ¹⁰ Indirect costs are estimated since it is assumed that the GHG cost was passed on by all sources of power from market purchases.

2019 CAISO GHG PricesJan-Dec 2019 \$17.28

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Indirect GHG costs are estimated based on the assumptions described herein.

Annual CAISO prices are a straight average of public daily GHG prices published on CAISO's OASIS website.

IV. GHG COMPLIANCE COSTS

A. Direct Greenhouse Gas Emissions

Under ARB's cap-and-trade program, the "first deliverer of electricity" within California must surrender one allowance or offset credit for each MT of GHG emissions. Accordingly, SDG&E had direct compliance obligations for GHGs emitted from burning natural gas at its UOG plants, namely, the Palomar Energy Center ("Palomar") and Miramar Energy Facility I and II (collectively, "Miramar"). SDG&E's UOG GHG emission volumes are derived from information extracted from each covered plant's Continuous Emissions Monitoring Systems ("CEMS") and that plant's annual fuel usage. The data is reported to ARB (under the mandatory GHG reporting rule) and undergoes a rigorous quality assurance/quality control ("QA/QC") process with supporting documentation from the CEMS systems. The data is then subject to third party verification by an ARB-certified verifier. The 2019 UOG emissions will become final in August 2020. The 2019 estimated UOG emissions are as follows:

Jan-Dec 2019 California UOG Plants	Emissions Estimate (in MT)
Palomar Energy Center	
Miramar Energy Facilities	
Total	

ARB's Mandatory Reporting Regulation require use of emission factors from federal regulations – title 40, Code of Federal Regulation ("CFR") Part 98 promulgated by U.S. EPA and published in the Federal Register on October 30, 2009, July 12, 2010, September 22, 2010, October 28, 2010, November 30, 2010, December 17, 2010, and April 25, 2011. For pipeline natural gas, there are three components – CO₂, CH₄, and NO₂. Table C-1 of Subpart C of the CFR Part 98 provides an emissions rate for CO₂ of 0.05302 MT/MMBtu. Table C-2 of Subpart C of the 40 CFR Part 98 gives a default emission factor for CH4 of 0.000001 MT/MMBtu. Using a Global Warming Potential of 21, the resulting CO₂e emission rate is 0.00002 MT/MMBtu. The default NO2 emission rate is given as 0.0000001 MT/MMBtu, and its Global Warming Potential is 310, resulting in a CO₂e emission rate of 0.00003 MT/MMBtu. Combining the 3 elements results in an overall emission rate of 0.05307 MT/MMBtu.

In addition, SDG&E has agreements with some California generators which stipulate that if SDG&E is dispatching the plant, then SDG&E will provide compliance instruments to the generator for its GHG compliance obligations. The generators covered by these agreements include, the Otay Mesa Energy Center ("OMEC"), the Orange Grove Energy Center ("Orange Grove"), the Escondido Energy Center ("EEC"), the Pio Pico Energy Center ("Pio Pico") and the Carlsbad Energy Center ("Carlsbad"), which became operational in 2018.¹² The estimated emissions for these plants can be calculated by multiplying the MMBtu burned with the emission factor of 0.05307 MT/MMBtu associated with natural gas as the input fuel. These estimates are subject to change, not only because the emissions estimates are based on fuel calculations instead of emission meter read calculations, but also because the tolling agreement contracts state that SDG&E will only cover the emissions generated resulting from SDG&E dispatches of efficiently run plants. The 2019 estimated SDG&E obligations to tolling agreement partners are shown below. SDG&E will be analyzing the 2019 tolling data and could potentially adjust the 2019 estimated emissions for non-SDG&E dispatches, inefficiencies or based on verification. If there are such changes, they will be reflected in future testimony.

Jan-Dec 2019 California Tolling Generators	Emissions Estimate (in MT)
Otay Mesa Energy Center	
Orange Grove Energy Center	
Escondido Energy Center	
Pio Pico	
Carlsbad Energy Center	
Total	

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An entity that delivers out-of-state electricity to a delivery point inside California is also responsible for the GHG emissions associated with generation of that electricity. For known

Goal Line became eligible to exit the Cap-and-Trade program retroactive to January 1, 2018.

imports, called "specified sources," the estimated GHG emissions related to the portion of outputs of plants that are delivered to California are covered in the cap-and-trade program and as such the importer of that electricity has a compliance obligation. SDG&E has a contract with Yuma Cogeneration Associates ("YCA") in Arizona and owns the Desert Star Energy Center ("Desert Star") combined cycle plant in Nevada. These out-of-state generators are specified sources. The compliance obligation for the power imported from each of these sources is calculated by the product of the imported power times the transmission loss correction factor as listed in section 95111 of ARB's mandatory reporting regulation, and the specified emissions factor assigned to those facilities by ARB. As with SDG&E's other estimated obligations, specified imports are also subject to change, and those changes will be reflected in future testimony. The 2019 estimated emissions for SDG&E's specified imports are as follows:

Jan-Dec 2019 Specified Imports	Specified Import Estimates	Emission Factor Estimates	Transmission Loss Factor	Emissions Estimate (in MI)
Desert Star		0.423	1.00	
YCA		0.645	1.02	
Total			0	

In addition to specified sources, importing of "unspecified sources" also generates a compliance obligation. SDG&E procured both contracted imports and market imports from unspecified sources in 2019. The cap-and-trade compliance obligation for these unspecified imports is calculated by multiplying the number of MWh imported, adjusted upward by two percent to account for transmission losses between the point of generation and the California border, by the ARB default rate, as stated in its regulation (currently 0.428 MT/MWh).¹⁴ Finally,

Specified Emission Factors are updated annually by ARB. See Confluence, Reporting Form Instructions, available at: http://www.ccdsupport.com/confluence/display/calhelp/Reporting+Form+Instructions.

ARB's Mandatory Reporting Regulation, Section 95111(b)(1). See Section 95852(c) in ARB, Article 5: California Cap on Greenhouse Gas Emissions and Market-based Compliance Mechanisms at 116,

ARB recognizes that the building of new renewable generation outside California reduces GHG. 2 As such, the cap-and-trade regulations allow for an RPS Adjustment. The RPS Adjustment reduces an entity's GHG compliance burden and is calculated by assigning the default emission 3 rate (currently 0.428 MT/MWh) to the GHG-free renewable energy, as measured at the point of 5 generation. The adjustment does not account for the transmission losses from the point of generation to California, 15 and the cap-and-trade regulations also allow that they be taken in 6 7 following years. SDG&E successfully claimed the undelivered portion of its potential 2014 RPS 8 Adjustment in 2015. SDG&E was planning to claim undelivered portions of the 2015-2018 contractually purchased renewable energy applicable to the RPS Adjustment provision in recent GHG reports to ARB. However, the data for the 2015-2018 RPS Adjustment was unavailable, 10 11 thus SDG&E necessarily claimed zero RPS Adjustment for the RPS generated in years 2015-2018.16 If, as expected, the RPS Adjustment data for any prior year(s) becomes available in the 12 13 future, SDG&E will incorporate that benefit in an upcoming annual ARB Electric Power Entity 14 ("EPE") report. SDG&E is continuing to request delivered/undelivered volumes and expects to 15 receive 2015-2018 RPS Adjustment data in 2020 in time to utilize that benefit in the upcoming 16 2019 EPE Report. The estimated 2019 RPS Adjustment claims are shown below. Both the

available at: https://ww3.arb.ca.gov/cc/reporting/ghg-rep/regulation/mrr-2018-unofficial-2019-4-3.pdf?_ga=2.248590913.797450650.1572910305-557391757.1471971036.

See Section 95852(b)(1) of ARB's Final Regulation Order for the calculation of the RPS Adjustment. ARB, Article 5: California Cap on Greenhouse Gas Emissions and Market-based Compliance Mechanisms, at 115, Section 95852(b)(1), available at https://ww3.arb.ca.gov/cc/capandtrade/capandtrade/ct-reg-unofficial.pdf.

SDG&E's ability to utilize the non-imported portion of its Glacier and RimRock contracts for the RPS Adjustment is dependent on receipt of Glacier and Rim Rock import volumes from Morgan Stanley. SDG&E has, thus far, not received this information for the 2015-2018 generation years. SDG&E continues to have discussions with Morgan Stanley and Open Access Technology International, Inc. ("OATI") about obtaining this data and expects to receive it in the future at which point SDG&E can apply the prior RPS Adjustment volumes to the next compliance year's report.

estimated 2019 unspecified imports and the RPS Adjustments claimed for 2019 are subject to change and those changes will be reflected in future testimony. The 2019 estimated emissions for SDG&E's unspecified imports and RPS adjustment claims are as follows:

Jan-Dec 2019 Unspecified Imports & 2018 RPS Adjustment	Unspecified Import Estimates (in MWh)	Unspecified Emission Factor	Transmission Loss Factor	Emissions Estimate (in MT)
Unspecified Imports		0.428	1.02	
RPS Adjustment		0.428	1.00	
Total				

Based on the above, SDG&E's 2019 estimated direct compliance obligations are:

Jan-Dec 2019 Direct Compliance Obligations	Emissions Estimate (in MT)
California UOG Plants	
California Tolling	
Specified Imports	
Unspecified Imports	
RPS Adjustment	
Total	

B. Indirect Greenhouse Gas Emissions

SDG&E, along with all other purchasers of wholesale electricity, is subject to indirect GHG compliance costs that generators incur and pass on to their buyers. This additional cost of GHG compliance is embedded in the market price of electricity procured in the wholesale market from third parties, thereby increasing SDG&E's cost to purchase wholesale electricity, as well as from suppliers under contracts that include market-based prices. The cost of GHG affects both market purchases and contracts based on the price of energy (such as combined heat and power ["CHP"] facilities); because the price of energy changes in tandem with the change in the GHG allowance prices, sellers of electricity demand higher revenues to offset the costs related to their cap-and-trade obligations. The 2019 indirect GHG volumes are estimated, for both net market purchases and CHP contracts, as the MWh of electricity production multiplied by the ARB default

rate for unspecified electricity of 0.428 MT/MWh. The forecasted 2019 MWh and emissions of 2

SDG&E's indirect purchases are as follows:

h and MT
0.428

C. **GHG Costs**

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Using the prices from Section III above, the 2019 direct GHG costs are as follows:

2019 GHG Direct Cost Estimates	Emissions Estimate (in MT)	WAC / ICE Price (in \$/MT)	Estimated Direct Cost
Jan - Dec 2019 (estimated actuals)			
Total			

Combining indirect volumes and the CAISO GHG allowance price indices, ¹⁷ the 2019 estimated GHG indirect costs are as follows:

2019 Forecasted Indirect Volumes & Cost	
Total INDIRECTS (MI)	
CAISO GHG Price (Jan-Dec 2019) (\$/MT)	
Total Indirect Cost	

Thus, the 2019 Direct and Indirect estimate blended cost is \$30.19 million (rounded).

SDG&E received 6,288,321 MT of vintage 2019 allowances to sell at 2019 auctions.

\mathbf{V} . ACTUAL AND ESTIMATED GHG REVENUES

SDG&E's annual allocated allowances are required to be consigned at that year's quarterly auctions; however, SDG&E has full discretion on how to distribute its allowances across the four quarterly auctions. The tables below show the volumes sold at each 2019 auction along with

associated revenues. 16

Per D.14-10-033 at 25, indirect costs are calculated using a proxy price equal to the average of the published CAISO GHG index daily prices in OASIS.

2019 GHG Revenues								
Auction	Settlement Price (\$/MT)	Sold Volume (MT)	Revenue					
Feb-19	\$15.73							
May-19	\$17.45							
Aug-19	\$17.16							
Nov-19	\$17.00							
Total	\$16.83							

This concludes my prepared direct testimony.

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VI. QUALIFICATIONS

My name is Ana Garza-Beutz. My business address is 8315 Century Park Court, San Diego, CA 92123. I am employed by SDG&E as a Principal Energy Administrator in the Electric & Fuel Procurement Department. My responsibilities include managing SDG&E's GHG portfolio, which includes development of GHG procurement and hedging strategies.

I joined SDG&E in November 2003 and have held various positions with increasing levels of responsibility within the Electric & Fuels Procurement Department. Prior to joining SDG&E, I worked as a Risk Analyst with Sempra Energy.

I received a Bachelor of Science degree in Mathematics from the California Polytechnic State University San Luis Obispo and a Master of Arts in Mathematics from the University of California Santa Barbara.

I have previously testified before the California Public Utilities Commission.

APPENDIX A

APPENDIX A

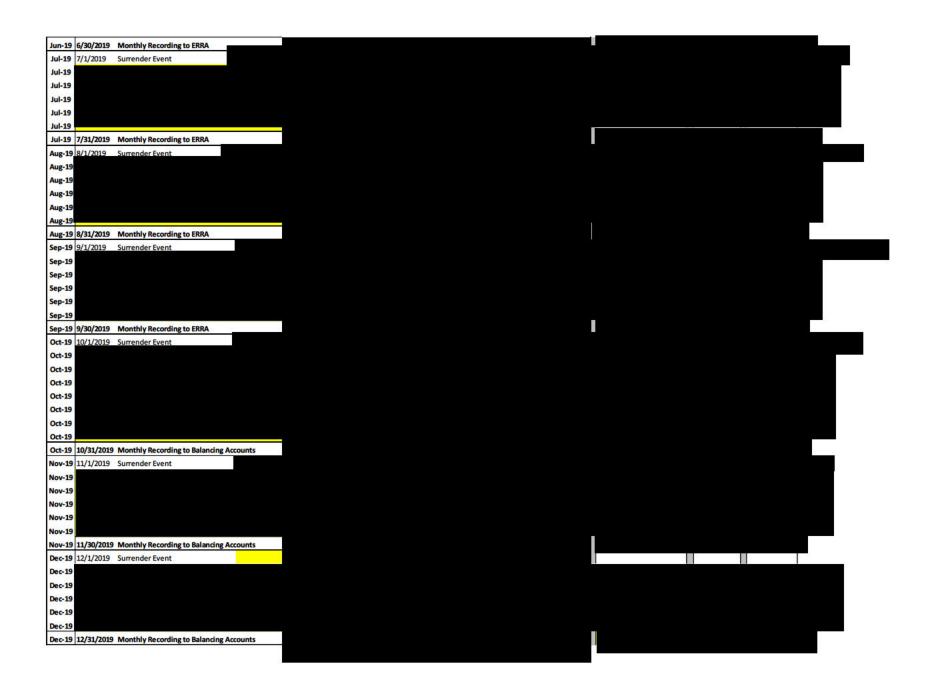
SDG&E's Monthly WAC Calculation (Calculation date of January 3, 2020)

Month			Transaction	/Activity Deta	ils			Inventory Qua	ntity and \$	WAC Pricing (\$/MT)	Direct G	HG Costs	True-Ups	Monthly BA Entry
Month	Transaction Date	Transaction Type	Quantity Pur/(Sales) (MT)	Purchase \$ (\$/MT)	Sales \$ (\$/MT)	Total Cost (\$)	Total Sales (\$)	Inventory Balance (\$)	Total Qty in Inventory (MT)	WAC (\$/MT)	Direct Monthly Emissions (MT)	WAC x Direct Emissions Qty (\$)	True-Up Value +/- (5)	Monthly Balancing Account Entries (\$)
Jan-18	1/1/2018	CP2 WAC Transfer									3:			
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Feb-18	2/1/2018	Surrender Event										*		
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Mar-18	3/1/2018	Surrender Event												
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Mar-18	3/31/2018	Monthly Recording to ERRA												

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18		5/1/2018	Surrender Event		
18	May-18				
18	May-18				
18	May-18				
S S/31/2018 Monthly Recording to ERRA	May-18				
\$ 6/1/2018 Surrender Event \$ 8	May-18				
8			Monthly Recording to ERRA		
8	Jun-18	6/1/2018	Surrender Event		
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8	Jun-18				
8 6/30/2018 Monthly Recording to ERRA 8 7/1/2018 Surrender Event 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Jun-18				
8 6/30/2018 Monthly Recording to ERRA 8 7/1/2018 Surrender Event 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Jun-18				
7/1/2018 Surrender Event 8	Jun-18		-		
8			Victor and advantages reacted and an analysis		
8	ul-18	7/1/2018	Surrender Event		
8	Jul-18				
8	Jul-18				
8	Jul-18				
7/31/2018 Monthly Recording to ERRA 8 8/1/2018 Surrender Event 8 8/1/2018 Surrender Event 8 8/1/2018 Surrender Event 8 8/1/2018 Surrender Event 8 8/1/2018 Surrender Event	Jul-18				
18 8/1/2018 Surrender Event 18 18 18 18 18 18 18 18 18 18 18 18 18 1	Jul-18				
18					
18 18 18		8/1/2018	Surrender Event		
18 18 18	Aug-18				
	Aug-18				
	Aug-18				اا
	Aug-18				
8 8/31/2018 Monthly Recording to ERRA	Aug-18				
	Aug-18	8/31/2018	Monthly Recording to ERRA		

	100	
Sep-18	9/1/2018	Surrender Event
Sep-18		
Sep-18	18	
Sep-18	9/30/2018	Monthly Recording to ERRA
Oct-18	10/1/2018	Surrender Event
Oct-18		
Oct-18	10/31/2018	Monthly Recording to ERRA
Nov-18	11/2/2018	Surrender Event
Nov-18		
Nov-18	11/30/2018	Monthly Recording to ERRA
Dec-18	12/1/2018	Surrender Event
Dec-18		
Dec-18	2	
Dec-18	12/31/2018	Monthly Recording to ERRA
i.		





APPENDIX B

DECLARATION OF ELSA VALAY-PAZ REGARDING CONFIDENTIALITY OF CERTAIN DATA/DOCUMENTS PURSUANT TO D.16-08-024, et al.

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

DECLARATION OF ELSA VALAY-PAZ REGARDING CONFIDENTIALITY OF CERTAIN DATA/DOCUMENTS PURSUANT TO D.16-08-24, et al.

I, Elsa Valay-Paz, do declare as follows:

- 1. I am the Director of Origination, Energy Supply & Dispatch in the Electric and Fuel Procurement department for San Diego Gas & Electric Company ("SDG&E"). I have been delegated authority to sign this declaration by Miguel Romero, Vice President of Energy Supply. I have reviewed Ana Garza-Beutz's Prepared Direct Testimony ("Testimony") and Appendix G, the GHG Revenue and Reconciliation Application Form, in support of SDG&E's April 15, 2020 "Application for approval of its 2021 Electric Procurement Revenue Requirement Forecasts and GHG Related-Forecasts ("Application"). I am personally familiar with the facts in this Declaration and, if called upon to testify, I could and would testify to the following based upon my personal knowledge and/or information and belief.
- 2. I hereby provide this Declaration in accordance with Decisions ("D.") D.16-08-024, D.17-05-035 and D.17-09-023 to demonstrate that the confidential information ("Protected Information") provided in Ms. Garza-Beutz's Testimony and Appendix G are within the scope of data protected as confidential under applicable law.
- 3. In accordance with the legal citations and narrative justification described in Attachment A, the Protected Information should be protected from public disclosure.

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

Executed this 15th day of April, 2020, at San Diego.

DocuSigned by:

Elsa Valay-Paz

Director of Origination, Energy Supply & Dispatch

ATTACHMENT A

SDG&E Request for Confidentiality on the following information contained in Ana Garza-Beutz's Testimony and Appendix G in support of SDG&E's Application

Location of	Legal Citations	Narrative Justification
Protected		
Information		
1. SDG&E WAC prices and WAC calculations (The 2019 WAC price appears in Ana Garza- Beutz's Testimony. The 2013 - 2019 WAC calculations are utilized in tab "D-2" of Attachment G. The 2018 – 2019 Monthly WAC prices and calculations appear in Attachment A of Ana Garza- Beutz's Testimony.)	D.08-04-023 D.14-10-033, D.16-08-024, D.17-05-035, D.17-09-023, Public Utilities Code Section 454.5(g) General Order ("GO") 66-D 17 CCR § 95914(c) (the "ARB Confidentiality Regulations") The GHG Confidential Information Matrix in Attachment A of D.14-10-033 and revised in D.15-01-024 The Matrix makes the following confidential: "Weighted Average Cost (WAC) of compliance instruments, and the calculation of WAC" Gov't Code §§6254(k), 6254.7 (d), Evidence Code 1060, Civil	The Protected Information is entitled to confidential treatment under applicable law, including, but not limited to, the legal authority cited herein. The information does not expressly fall within any category of the IOU Matrix applicable to electric procurement information, but is market-sensitive information. Among other things, 17 CCR Section 95914(c)(1) of the Capand-Trade regulations prohibits disclosure of any auction-related information. Violation of Section 95914 may subject SDG&E to penalties by the California Air Resources Board. In addition, Attachments A, C & D of D.15-01-024 and Appendices A & B of D.15-10-032 require Auction-related information, forecasts of emissions intensity, forecasts of greenhouse gas (GHG) costs, GHG transactions, compliance instrument prices, weight average cost ("WAC") and other GHG information to be kept confidential. Additionally, the Protected Information also includes trade secret information because SDG&E's bidding/consignment strategies contain "commercial value," which gives SDG&E "an opportunity to obtain a business advantage over competitors who do not know or use it." Disclosure of this information would place SDG&E at an unfair business disadvantage relative to other Cap-and-Trade market participants and result in higher Cap-and-Trade compliance costs for SDG&E and its end-use ratepayers.
2. Historical/Reco rded UOG Emissions	D.08-04-023 D.14-10-033, D.16-08-024, D.17-05-035, D.17-09-023, Public Utilities Code Section 454.5(g)	The Protected Information is entitled to confidential treatment under applicable law, including, but not limited to, the legal authority cited herein. The information does not expressly fall within any category of the IOU Matrix applicable to electric procurement information, but is market-sensitive information.

		4 4 4 4 6 COD C 4 05044() (4) C 4 C
		Among other things, 17 CCR Section 95914(c)(1) of the Cap-
	General Order ("GO") 66-D	and-Trade regulations prohibits disclosure of any auction-
		related information. Violation of Section 95914 may subject
	17 CCR § 95914(c) (the	SDG&E to penalties by the California Air Resources Board.
(The 2019	"ARB Confidentiality	
Historical UOG		In addition, Attachments A, C & D of D.15-01-024 and
Emissions appear	Regulations")	Appendices A & B of D.15-10-032 require Auction-related
in Ana Garza-		information, forecasts of emissions intensity, forecasts of
Beutz's	Annual GHG Emissions and	greenhouse gas (GHG) costs, GHG transactions, compliance
	Associated Costs in	instrument prices, weight average cost ("WAC") and other
Testimony. The 2013- 2019		GHG information to be kept confidential.
Recorded UOG	Template D-2 of D.14-10-	
	033 and revised in D.15-01-	Additionally, the Protected Information also includes trade
Emissions appear in Attachment G	024	secret information because SDG&E's bidding/consignment
	Template D-2 designates	strategies contain "commercial value," which gives SDG&E "an
of this	forecasted and recorded	opportunity to obtain a business advantage over competitors
Application.)		who do not know or use it."
	UOG emissions as	
	confidential	Disclosure of this information would place SDG&E at an unfair
	Gov't Code §§6254(k),	business disadvantage relative to other Cap-and-Trade market
	6254.7 (d), Evidence	participants and result in higher
	Code 1060, Civil	Cap-and-Trade compliance costs for SDG&E and its end-use
	Code §3426 et seq.	ratepayers.
3.	D.08-04-023	The Protected Information is entitled to confidential treatment
	D.06-04-023	under applicable law, including, but not limited to, the legal
Historical/Reco	D 14 10 022 D 16 00 024	authority cited herein. The information does not expressly fall
rded California	D.14-10-033, D.16-08-024,	within any category of the IOU Matrix applicable to electric
Tolling	D.17-05-035, D.17-09-023,	procurement information, but is market-sensitive information.
Agreement	Public Utilities Code	procurement information, but is market-sensitive information.
Emissions	Section 454.5(g)	Among other things, 17 CCR Section 95914(c)(1) of the Cap-
		and-Trade regulations prohibits disclosure of any auction-
	General Order ("GO") 66-D	related information. Violation of Section 95914 may subject
	, ,	SDG&E to penalties by the California Air Resources Board.
	17 CCR § 95914(c) (the	The second of th
	"ARB Confidentiality	In addition, Attachments A, C & D of D.15-01-024 and
	Regulations")	Appendices A & B of D.15-10-032 require Auction-related
	itto Buttutions)	information, forecasts of emissions intensity, forecasts of
(The 2019 Tolling		greenhouse gas (GHG) costs, GHG transactions, compliance
Agreement	Annual GHG Emissions and	instrument prices, weight average cost ("WAC") and other
Emissions appear	Associated Costs in	GHG information to be kept confidential.
in Ana Garza-	Template D-2 of D.14-10-	
Beutz's	033 and revised in D.15-01-	Additionally, the Protected Information also includes trade
Testimony.	024	secret information because SDG&E's bidding/consignment
The 2013- 2019		strategies contain "commercial value," which gives SDG&E "an
Tolling	Template D-2 designates	opportunity to obtain a business advantage over competitors
Agreement	forecasted and recorded	who do not know or use it."
Emissions appear	Tolling Agreements	
in Attachment G	emissions as confidential	Disclosure of this information would place SDG&E at an unfair
of this		business disadvantage relative to other Cap-and-Trade market
Application.)	Gov't Code §§6254(k),	participants and result in higher
	6254.7 (d), Evidence	Cap-and-Trade compliance costs for SDG&E and its end-use
	Code 1060, Civil	ratepayers.
	Code §3426 et seq.	
	Code 83420 et seq.	

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4. Historical/Rec	D.08-04-023	The Protected Information is entitled to confidential treatment
orded		under applicable law, including, but not limited to, the legal
Specified	D.14-10-033, D.16-08-024,	authority cited herein. The information does not expressly fall
	D.17-05-035, D.17-09-023,	within any category of the IOU Matrix applicable to electric
Imported	Public Utilities Code	procurement information, but is market-sensitive information.
MWh and	Section 454.5(g)	
calculated	Section 434.3(g)	Among other things, 17 CCR Section 95914(c)(1) of the Cap-
Emissions	Canaral Order ("CO") 66 D	and-Trade regulations prohibits disclosure of any auction-
	General Order ("GO") 66-D	related information. Violation of Section 95914 may subject
	17 CCD 8 05014() (1	SDG&E to penalties by the California Air Resources Board.
	17 CCR § 95914(c) (the	V 1811 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	"ARB Confidentiality	In addition, Attachments A, C & D of D.15-01-024 and
	Regulations")	Appendices A & B of D.15-10-032 require Auction-related
		information, forecasts of emissions intensity, forecasts of
	Annual GHG Emissions and	greenhouse gas (GHG) costs, GHG transactions, compliance
	Associated Costs in	instrument prices, weight average cost ("WAC") and other
		GHG information to be kept confidential.
	Template D-2 of D.14-10-	Additionally, the Protected Information also includes trade
	033 and revised in D.15-01-	secret information because SDG&E's bidding/consignment
	024	strategies contain "commercial value," which gives SDG&E "an
(The 2019 Specified	Template D-2 designates	opportunity to obtain a business advantage over competitors
Imported MWh and	forecasted and recorded	who do not know or use it."
calculated Emissions	Energy Imports (Specified)	
appear in Ana Garza-	emissions as confidential.	Disclosure of this information would place SDG&E at an unfair
Beutz's Testimony.	Knowledge of the MWh	business disadvantage relative to other Cap-and-Trade market
The 2013- 2019	makes discovery of the	participants and result in higher
Recorded Specified		Cap-and-Trade compliance costs for SDG&E and its end-use
Imported Emissions appear in Attachment	emissions possible, thus the	ratepayers.
G of this Application.)	MWh are also confidential.	
G of this Application.)	G 24 G 1 00 (254(1))	
	Gov't Code §§6254(k),	
	6254.7 (d), Evidence	
	Code 1060, Civil	
	Code §3426 et seq.	
5. Historical/Rec	D.08-04-023	The Protected Information is entitled to confidential treatment
orded		under applicable law, including, but not limited to, the legal
Unspecified	D.14-10-033, D.16-08-024,	authority cited herein. The information does not expressly fall
Imported	D.17-05-035, D.17-09-023,	within any category of the IOU Matrix applicable to electric procurement information, but is market-sensitive information.
MWh and	Public Utilities Code	procurement information, out is market-sensitive information.
	Section 454.5(g)	Among other things, 17 CCR Section 95914(c)(1) of the Cap-
calculated		and-Trade regulations prohibits disclosure of any auction-
Emissions	General Order ("GO") 66-D	related information. Violation of Section 95914 may subject
)	SDG&E to penalties by the California Air Resources Board.
	17 CCR § 95914(c) (the	The second of th
	"ARB Confidentiality	In addition, Attachments A, C & D of D.15-01-024 and
	Regulations")	Appendices A & B of D.15-10-032 require Auction-related
	,	information, forecasts of emissions intensity, forecasts of
		greenhouse gas (GHG) costs, GHG transactions, compliance
	Annual GHG Emissions and	instrument prices, weight average cost ("WAC") and other
	Associated Costs in	GHG information to be kept confidential.
1	Template D-2 of D.14-10-	
(The 2019		Additionally, the Protected Information also includes trade secret information because SDG&E's bidding/consignment

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	Imported MWh	033 and revised in D.15-01-	strategies contain "commercial value," which gives SDG&E "an
	and calculated	024	opportunity to obtain a business advantage over competitors
	Emissions appear	Template D-2 designates	who do not know or use it."
	in Ana Garza-	forecasted and recorded	Disalance of this information would also CDC &E at an unfair
	Beutz's	Energy Imports (Unspecified)	Disclosure of this information would place SDG&E at an unfair
	Testimony. The 2013- 2019	emissions as confidential.	business disadvantage relative to other Cap-and-Trade market participants and result in higher
	Unspecified		Cap-and-Trade compliance costs for SDG&E and its end-use
	Imported	Knowledge of the MWh	ratepayers.
	Emissions appear	makes discovery of the	intepayers.
	in Attachment G	emissions possible, thus the	
	of this	MWh are also confidential.	
	Application.)		
	11ppilleunioni)	Gov't Code §§6254(k),	
		6254.7 (d), Evidence	
		Code 1060, Civil	
		Code §3426 et seq.	
6.	Historical RPS	D.08-04-023	The Protected Information is entitled to confidential treatment
	Adjustment		under applicable law, including, but not limited to, the legal
	eligible MWh	D.14-10-033, D.16-08-024,	authority cited herein. The information does not expressly fall
	and calculated	D.17-05-035, D.17-09-023,	within any category of the IOU Matrix applicable to electric
	Emissions	Public Utilities Code	procurement information, but is market-sensitive information.
	Emissions		
		Section 454.5(g)	Among other things, 17 CCR Section 95914(c)(1) of the Cap-
		G 10.1 ("GO") ((D	and-Trade regulations prohibits disclosure of any auction-
		General Order ("GO") 66-D	related information. Violation of Section 95914 may subject
			SDG&E to penalties by the California Air Resources Board.
		17 CCR § 95914(c) (the	
		"ARB Confidentiality	In addition, Attachments A, C & D of D.15-01-024 and
		Regulations")	Appendices A & B of D.15-10-032 require Auction-related
			information, forecasts of emissions intensity, forecasts of
		Annual GHG Emissions and	greenhouse gas (GHG) costs, GHG transactions, compliance
		Associated Costs in	instrument prices, weight average cost ("WAC") and other
	(The RPS		GHG information to be kept confidential.
	Adjustment	Template D-2 of D.14-10-	Additionally, the Protected Information also includes trade
	eligible MWh and	033 and revised in D.15-01-	secret information because SDG&E's bidding/consignment
	calculated	024	strategies contain "commercial value," which gives SDG&E "an
	Emissions for	Template D-2 designates	opportunity to obtain a business advantage over competitors
	2019 appear in	forecasted and recorded	who do not know or use it."
	Ana Garza-	Energy Imports (Unspecified)	
	Beutz's	emissions, which includes	Disclosure of this information would place SDG&E at an unfair
	Testimony.	any applicable RPS	business disadvantage relative to other Cap-and-Trade market
	The 2013- 2019	• • •	participants and result in higher
	RPS Adjustment	Adjustments as confidential.	Cap-and-Trade compliance costs for SDG&E and its end-use
	Emissions appear in Attachment G	Knowledge of the MWh	ratepayers.
	of this	makes discovery of the	
	Application.)	emissions possible, thus the	
	Appication.)	MWh are also confidential.	
		Gov't Code §§6254(k),	
		6254.7 (d), Evidence	
		Code 1060, Civil	
		Code §3426 et seq.	

		D 00 04 000	
<i>7</i> .	Total Direct	D.08-04-023	The Protected Information is entitled to confidential treatment
	Compliance		under applicable law, including, but not limited to, the legal
	Obligation	D.14-10-033, D.16-08-024,	authority cited herein. The information does not expressly fall
		D.17-05-035, D.17-09-023,	within any category of the IOU Matrix applicable to electric
		Public Utilities Code	procurement information, but is market-sensitive information.
	(The 2019 Total	Section 454.5(g)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Direct		Among other things, 17 CCR Section 95914(c)(1) of the Cap-
	Compliance	General Order ("GO") 66-D	and-Trade regulations prohibits disclosure of any auction-
	Obligation	General Order (GO) 60-B	related information. Violation of Section 95914 may subject
	appears in Ana	17 CCD \$ 05014(a) (4ba	SDG&E to penalties by the California Air Resources Board.
	Garza-Beutz's	17 CCR § 95914(c) (the	T 11'' A C 0 D CD 15 01 004 1
	Testimony.	"ARB Confidentiality	In addition, Attachments A, C & D of D.15-01-024 and
	The 2013- 2019	Regulations")	Appendices A & B of D.15-10-032 require Auction-related
	Total Direct		information, forecasts of emissions intensity, forecasts of
	Compliance	Annual GHG Emissions and	greenhouse gas (GHG) costs, GHG transactions, compliance instrument prices, weight average cost ("WAC") and other
	Obligation appear	Associated Costs in	GHG information to be kept confidential.
	in Attachment G		GHO information to be kept confidential.
	of this	Template D-2 of D.14-10-	Additionally, the Protected Information also includes trade
	Application.)	033 and revised in D.15-01-	secret information because SDG&E's bidding/consignment
		024	strategies contain "commercial value," which gives SDG&E "an
		Template D-2 designates	opportunity to obtain a business advantage over competitors
		forecasted and recorded	who do not know or use it."
		Direct GHG Emissions	Who do not know of doc it.
		Subtotal as confidential.	Disclosure of this information would place SDG&E at an unfair
		Subtotal as confidential.	business disadvantage relative to other Cap-and-Trade market
		C 24 C 1 88 (254(1))	participants and result in higher
		Gov't Code §§6254(k),	Cap-and-Trade compliance costs for SDG&E and its end-use
		6254.7 (d), Evidence	ratepayers.
		Code 1060, Civil	
		Code §3426 et seq.	
8.	Indirect	D.08-04-023	The Protected Information is entitled to confidential treatment
	Purchases in		under applicable law, including, but not limited to, the legal
	MWh and	D.14-10-033, D.16-08-024,	authority cited herein. The information does not expressly fall
	calculated	D.17-05-035, D.17-09-023,	within any category of the IOU Matrix applicable to electric
	Emissions	Public Utilities Code	procurement information, but is market-sensitive information.
		Section 454.5(g)	Among other things, 17 CCR Section 95914(c)(1) of the Cap-
			and-Trade regulations prohibits disclosure of any auction-
		General Order ("GO") 66-D	related information. Violation of Section 95914 may subject
			SDG&E to penalties by the California Air Resources Board.
		17 CCR § 95914(c) (the	22 322 to penalties of the cultoring the Resources Bould.
	(The 2019	"ARB Confidentiality	In addition, Attachments A, C & D of D.15-01-024 and
	forecasted	Regulations")	Appendices A & B of D.15-10-032 require Auction-related
	Indirect Purchase	Togulations)	information, forecasts of emissions intensity, forecasts of
	MWhs and		greenhouse gas (GHG) costs, GHG transactions, compliance
	calculated	Annual GHG Emissions and	instrument prices, weight average cost ("WAC") and other
	Emissions appear	Associated Costs in	GHG information to be kept confidential.
	in Ana Garza-	Template D-2 of D.14-10-	-
	Beutz's	033 and revised in D.15-01-	Additionally, the Protected Information also includes trade
	Testimony.	024	secret information because SDG&E's bidding/consignment
	The 2013-2018		strategies contain "commercial value," which gives SDG&E "an
	final and 2019	Template D-2 designates	opportunity to obtain a business advantage over competitors
	forecasted	forecasted and recorded	who do not know or use it."
	Indirect Emission		
	calculations		

	•	I II CHO E	Did carrie a did appare
	appear in Attachment G of this Application.)	Indirect GHG Emissions as confidential. Knowledge of the MWh makes discovery of the emissions possible, thus, the MWh are also confidential.	Disclosure of this information would place SDG&E at an unfair business disadvantage relative to other Cap-and-Trade market participants and result in higher Cap-and-Trade compliance costs for SDG&E and its end-use ratepayers.
		Gov't Code §§6254(k),	
		6254.7 (d), Evidence Code 1060, Civil	
		Code §3426 et seq.	
9.		D.08-04-023	The Protected Information is entitled to confidential treatment
	Costs	D.14-10-033, D.16-08-024, D.17-05-035, D.17-09-023, Public Utilities Code Section 454.5(g)	under applicable law, including, but not limited to, the legal authority cited herein. The information does not expressly fall within any category of the IOU Matrix applicable to electric procurement information, but is market-sensitive information.
		General Order ("GO") 66-D	Among other things, 17 CCR Section 95914(c)(1) of the Capand-Trade regulations prohibits disclosure of any auction-related information. Violation of Section 95914 may subject SDG&E to penalties by the California Air Resources Board.
	(The 2019 Direct GHG Costs appear in Ana Garza-Beutz's	17 CCR § 95914(c) (the "ARB Confidentiality Regulations")	In addition, Attachments A, C & D of D.15-01-024 and Appendices A & B of D.15-10-032 require Auction-related information, forecasts of emissions intensity, forecasts of greenhouse gas (GHG) costs, GHG transactions, compliance
	Testimony. The 2013 – 2018 final and 2019	Annual GHG Emissions and Associated Costs in Template D-2 of D.14-10-	instrument prices, weight average cost ("WAC") and other GHG information to be kept confidential.
	estimated Direct GHG Costs appear in	033 and revised in D.15-01- 024	Additionally, the Protected Information also includes trade secret information because SDG&E's bidding/consignment strategies contain "commercial value," which gives SDG&E "an
	Attachment G of this Application.)	Template D-2 designates forecasted and recorded Direct GHG Costs as	opportunity to obtain a business advantage over competitors who do not know or use it."
		confidential.	Disclosure of this information would place SDG&E at an unfair business disadvantage relative to other Cap-and-Trade market
		Gov't Code §§6254(k), 6254.7 (d), Evidence Code 1060, Civil Code §3426 et seq.	participants and result in higher Cap-and-Trade compliance costs for SDG&E and its end-use ratepayers.
10.	Estimated	D.08-04-023	The Protected Information is entitled to confidential treatment
	Indirect GHG Costs	D.14-10-033, D.16-08-024,	under applicable law, including, but not limited to, the legal authority cited herein. The information does not expressly fall
	Cosis	D.17-05-035, D.17-09-023,	within any category of the IOU Matrix applicable to electric
		Public Utilities Code	procurement information, but is market-sensitive information.
		Section 454.5(g)	Among other things, 17 CCR Section 95914(c)(1) of the Capand-Trade regulations prohibits disclosure of any auction-
		General Order ("GO") 66-D	related information. Violation of Section 95914 may subject SDG&E to penalties by the California Air Resources Board.
			In addition, Attachments A, C & D of D.15-01-024 and Appendices A & B of D.15-10-032 require Auction-related

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(The 2019 estimated Indirect GHG Costs appear in Ana Garza-Beutz's	17 CCR § 95914(c) (the "ARB Confidentiality Regulations")	information, forecasts of emissions intensity, forecasts of greenhouse gas (GHG) costs, GHG transactions, compliance instrument prices, weight average cost ("WAC") and other GHG information to be kept confidential.
Testimony. The 2013 - 2019 estimated Indirect GHG Costs appear in Attachment G of	Annual GHG Emissions and Associated Costs in Template D-2 of D.14-10- 033 and revised in D.15-01- 024	Additionally, the Protected Information also includes trade secret information because SDG&E's bidding/consignment strategies contain "commercial value," which gives SDG&E "an opportunity to obtain a business advantage over competitors who do not know or use it."
this Application.)	Template D-2 designates forecasted and recorded Indirect GHG Costs as confidential.	Disclosure of this information would place SDG&E at an unfair business disadvantage relative to other Cap-and-Trade market participants and result in higher Cap-and-Trade compliance costs for SDG&E and its end-use ratepayers.
	Gov't Code §§6254(k), 6254.7 (d), Evidence Code 1060, Civil Code §3426 et seq.	
11. GHG Quarterly Auction Revenue	D.08-04-023 D.14-10-033, D.16-08-024, D.17-05-035, D.17-09-023, Public Utilities Code	The Protected Information is entitled to confidential treatment under applicable law, including, but not limited to, the legal authority cited herein. The information does not expressly fall within any category of the IOU Matrix applicable to electric procurement information, but is market-sensitive information.
	Section 454.5(g) General Order ("GO") 66-D	Among other things, 17 CCR Section 95914(c)(1) of the Capand-Trade regulations prohibits disclosure of any auction-related information. Violation of Section 95914 may subject SDG&E to penalties by the California Air Resources Board.
(The 2019 GHG	17 CCR § 95914(c) (the "ARB Confidentiality Regulations")	In addition, Attachments A, C & D of D.15-01-024 and Appendices A & B of D.15-10-032 require Auction-related information, forecasts of emissions intensity, forecasts of
Quarterly Auction Revenues appear in Ana Garza-Beutz's	1a. of Attachment A of D.14-10-033 and revised in D.15-01-024	greenhouse gas (GHG) costs, GHG transactions, compliance instrument prices, weight average cost ("WAC") and other GHG information to be kept confidential.
Testimony. The 2013 - 2019 actual GHG Quarterly Auction Revenues	1a. makes the following confidential: "AB 32 GHG auction participation." Although Annual Auction Revenues are public,	Additionally, the Protected Information also includes trade secret information because SDG&E's bidding/consignment strategies contain "commercial value," which gives SDG&E "an opportunity to obtain a business advantage over competitors who do not know or use it."
appear in Attachment G of this Application.)	Quarterly Auction Revenues must be confidential since public auction settlement prices and Quarterly Auction Revenues would reveal SDG&E's quarterly auction participation as a consigner	Disclosure of this information would place SDG&E at an unfair business disadvantage relative to other Cap-and-Trade market participants and result in higher Cap-and-Trade compliance costs for SDG&E and its end-use ratepayers.
	Gov't Code §§6254(k),	

	6254.7 (d), Evidence	
	Code 1060, Civil	
	Code §3426 et seq.	
12. Emissions Intensities	D.08-04-023 D.14-10-033, D.16-08-024, D.17-05-035, D.17-09-023, Public Utilities Code Section 454.5(g) General Order ("GO") 66-D	The Protected Information is entitled to confidential treatment under applicable law, including, but not limited to, the legal authority cited herein. The information does not expressly fall within any category of the IOU Matrix applicable to electric procurement information, but is market-sensitive information. Among other things, 17 CCR Section 95914(c)(1) of the Capand-Trade regulations prohibits disclosure of any auction-related information. Violation of Section 95914 may subject
(The 2019-2021 forecasted Emissions Intensities appears in Attachment G of this Application.)	17 CCR § 95914(c) (the "ARB Confidentiality Regulations") The GHG Confidential Information Matrix in Attachment A of D.14-10-033 and revised in D.15-01-024 The Matrix makes the following confidential: "Forecast of GHG Emissions Intensity" Gov't Code §§6254(k), 6254.7 (d), Evidence Code 1060, Civil Code §3426 et seq.	SDG&E to penalties by the California Air Resources Board. In addition, Attachments A, C & D of D.15-01-024 and Appendices A & B of D.15-10-032 require Auction-related information, forecasts of emissions intensity, forecasts of greenhouse gas (GHG) costs, GHG transactions, compliance instrument prices, weight average cost ("WAC") and other GHG information to be kept confidential. Additionally, the Protected Information also includes trade secret information because SDG&E's bidding/consignment strategies contain "commercial value," which gives SDG&E "an opportunity to obtain a business advantage over competitors who do not know or use it." Disclosure of this information would place SDG&E at an unfair business disadvantage relative to other Cap-and-Trade market participants and result in higher Cap-and-Trade compliance costs for SDG&E and its end-use ratepayers.

GLOSSARY

Acronym	Definition	
AB	Assembly Bill	
ARB	California Air Resources Board	
CAISO	California Independent System Operator	
CAM	Cost Allocation Mechanism	
CARB	California Air Resources Board	
CEMS	Continuous Emissions Monitoring System	
CO2e	Carbon Dioxide Equivalent	
CUYAMACA	Cuyamaca Peak Energy Plant	
CYCG	Czamecki-Yester Consulting Group LLC	
DESERT STAR	Desert Star Energy Center	
EEC	Escondido Energy Center	
EECC	Electric Energy Commodity Cost	
ENVOY	ENVOY is dashboard-styled web interface for managing natural gas supplies	
EPE	Electric Power Entity; The EPE Report contains all import/RPS Adjustment Data submitted to ARB	
ERRA	Energy Resource Recovery Account	
GHG	Greenhouse Gas	
IOU	Investor Owned Utility	
MIRAMAR	Miramar Energy Facility I & Miramar Energy Facility II	
MIRAMAR I	Miramar Energy Facility I	
MIRAMAR II	Miramar Energy Facility II	
MT	Metric Ton	
MWh	Megawatt hour	
OAL	Office of Administrative Law	
OMAR	Operational Meter Analysis and Reporting (CAISO Online Metering System)	
OMEC	Otay Mesa Energy Center	
ORANGE GROVE	Orange Grove Energy Center	
PALOMAR	Palomar Energy Center	
PPA	Power Purchase Agreement	
QA/QC	Quality Assurance/Quality Control	
QFs Qualifying Facilities		
RPS Renewable Portfolio Standard		
SDG&E	San Diego Gas & Electric Company	
UOG	Utility Owned Generation	
WAC	Weighted Average Cost	
YCA	Yuma Cogeneration Associates	