Application No.: A.21-06-XXX

Exhibit No.:

Witness: Sheri Miller

PREPARED DIRECT TESTIMONY OF SHERI MILLER

ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

REDACTED – PUBLIC VERSION

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA



JUNE 1, 2021

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PREPARED DIRECT TESTIMONY OF SHERI MILLER ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

I. OVERVIEW AND PURPOSE

This testimony presents San Diego Gas & Electric Company's ("SDG&E") accounting procedure used to record the greenhouse gas ("GHG") Compliance Instrument costs that are described in the testimony of SDG&E witness Scott Lewis and also includes the required GHG direct cost tables.

II. WEIGHTED AVERAGE COST ("WAC") CALCULATION

Decision ("D.") 14-10-033 provided the approved method of calculating the GHG Compliance Instrument WAC. D-14-10-033 was later revised by D.14-10-055, D.15-01-024, D.19-04-016, and most recently by D.21-05-004. SDG&E calculates the gas and electric WAC monthly in accordance with the revised D.21-05-004 Attachment C. Attachment A of this testimony contains the completed Template C-1 (the electric WAC calculation workpapers) for January through December of 2020.

SDG&E values its purchased GHG compliance instruments on a monthly basis for the current compliance period, using the WAC in accordance with D.21-05-004. The electric GHG costs are then recorded in the appropriate balancing accounts based on actual GHG emissions volumes and the current WAC price. More specifically, the direct GHG costs associated with SDG&E's conventional resources and contracts are calculated by multiplying the total monthly GHG emissions volumes created by those resources' energy generation with the WAC for each month, which equals the direct GHG costs. These costs are recorded monthly as an expense in the appropriate authorized cost recovery balancing accounts, and also as a liability to the California Air and Resources Board ("CARB") for carbon credits not yet submitted. If reported emission amounts

from previous months were revised, or if the WAC changes, the current month's expense will also include an amount that reflects the true-up of costs resulting from the changes.

III. GHG COST RECOVERY

D.21-05-004, which modified and replaced D.19-04-016 Attachment A, clarified the balancing account cost recovery process for GHG, and added new required Templates C-2 and D-2, was approved on May 6, 2021. Pursuant to Findings of Fact ("FAF") 4 and 5 in this Decision, SDG&E should record GHG costs in the same balancing accounts in which other costs related to the same resources are recorded. In other words, SDG&E is not required to record all GHG costs in the ERRA balancing account. Pursuant to Conclusions of Law ("COL") 5, SDG&E should use this modified methodology in its ERRA Compliance application in 2021 for the 2020 Record Year. In compliance with these requirements, SDG&E includes the new Template C-2 as Attachment B in this testimony, which presents its 2020 GHG costs in the appropriate balancing accounts according to the modified methodology.

of which was recorded in the ERRA balancing account, and in the PABA balancing account. Attachment B of this testimony shows a summary of these transactions presented in compliance with the D.21-05-004 methodology. These amounts include expense that was recorded to true-up costs of prior months in the same GHG compliance period. Since the record year 2020 was closed at the time D.21-05-004 was approved, for any costs that were recorded in ERRA in 2020 but should be recorded in a different account, SDG&E will transfer the costs in 2021. These costs are also presented in Attachment C of this testimony, which is the new required Template D-2, lines 1-8 and 15-17.

IV. LOCAL GENERATING BALANCING ACCOUNT ("LGBA") RESOURCES

The LGBA was approved in D.13-03-029 with the purpose of recording the revenues and costs of generation where the Commission has determined that the resource is subject to a cost allocation mechanism ("CAM"). SDG&E currently has contracts with three resources that are approved for CAM recovery and have GHG expenses: Carlsbad Energy Center, Escondido Energy Center, and Pio Pico Energy Center.

Pursuant to D.07-09-044, the costs of CAM resources are to be recovered on a net basis in the CAM balancing account. The Decision mentions an auction process to determine the cost, and in the absence of an auction, the costs are to be determined using the methodology in the Settlement Agreement. The Settlement Agreement provides that unavoidable costs (associated with must-take resources) shall be recorded in the CAM account using actual costs, and avoidable costs shall be recorded in the CAM account using imputed costs. To comply with this Decision, SDG&E records the costs of its CAM-eligible dispatchable resources using a model instead of actuals to calculate net capacity costs.

Therefore, in compliance with D.07-09-044, SDG&E will include direct GHG costs associated with its dispatchable CAM-eligible resources in the monthly imputed CAM net capacity cost calculation, and the net cost shall be recorded in LGBA. SDG&E will record any difference between these modeled costs of direct GHG and the actual costs of direct GHG in ERRA.

V. CONCLUSION

SDG&E's recording of GHG expense in record year 2020 was consistent with the calculations and reporting prescribed in revised D.21-05-004, as demonstrated by the testimony and Attachments A, B, and C provided herein. Therefore, SDG&E requests that the Commission find SDG&E in compliance with the requirements of D.21-05-004.

This concludes my prepared direct testimony.

VI. QUALIFICATIONS

My name is Sheri Miller. My business address is 8315 Century Park Court, San Diego, CA 92123. I am employed by SDG&E as a Principal Settlement Advisor in the Settlements & Systems group in the Energy Supply organization. My responsibilities include reviewing ERRA testimony and advising on regulatory and legislative matters that impact SDG&E's energy and gas procurement settlements and cost recovery processes.

I joined SDG&E in October 2000, and since that time, I have held various positions at SDG&E including Senior Accountant, Principal Accountant, and Settlements Manager. I have experience with many aspects of SDG&E's accounting processes, including approving the gas and electric commodity invoices and overseeing the reporting processes.

I received a Bachelor of Science degree in Accounting and a Master of Business

Administration from National University. I am also a Certified Public Accountant licensed in the state of California.

I have previously testified before the California Public Utilities Commission.

ATTACHMENT A

SDG&E's 2020 MONTHLY ELECTRIC WAC CALCULATION SPREADSHEET TEMPLATE C-1

		GHG Data						Last Auction S					
ELECTRIC P	ortfolio: CP3 W	VAC Calculation											
Month			Transaction/Activity Details			Inventory Emissions and \$	WAC Pricing (\$/MT)	Direct GHG Costs	True-Ups	Monthly BA Entry	True Up due to Prior Period Volumetric Adjustments	True Up due to Re-value of Cumulative Emissions	True Up due to Re-value of Surrendered Volumes
Month	Transaction Date	Transaction Type	Quantity Purchase Sales \$ Pur/(Sales) (MT) \$ (\$/MT) (\$/MT)	Total Cost (\$)	Total Sales (\$)	Inventory Balance Total Qty in Inventory (\$) (MT)	WAC (\$/MT)	Direct WAC x Direct Monthly Emissions Emissions Qty (MT) (\$)	True-Up Value +/- (\$)	Monthly Balancing Account Entries (\$)	Prior Period WAC x Prior Period Monthly True-Up (MT) True Up Qty Balancing (\$) Account Entrie (\$)	Cumulative (Current WAC-Prior Period WAC) x Cumulative Emissions (MT) Current WAC-Prior Period WAC) x Cumulative Emissions Prior Months (\$)	Cumulative (Current WAC-Prior Volumetric Surrender to Volumetric Period WAC) x ARB (MT) Surrender to ARB Cumulative (MT) Surrender Qty (\$)
Jan-18	1/1/2018 2/18/2015												
Jan-18 Jan-18	5/21/2015												
Jan-18	8/18/2015												
Jan-18 Jan-18	11/17/2015 2/17/2016												
Jan-18	5/18/2016												
Jan-18	8/16/2016 11/15/2016												
Jan-18 Jan-18	2/22/2017												
Jan-18	5/16/2017												
Jan-18 Jan-18	8/15/2017 11/14/2017												
Jan-18	1/3/2018												
Jan-18 Feb-18	1/31/2018 2/1/2018												
Feb-18	2/21/2018												
Feb-18	2/8/2018												
Feb-18 Feb-18													
Feb-18													
Feb-18 Mar-18	2/28/2018 3/1/2018												
Mar-18	3/1/2010												
Mar-18 Mar-18													
Mar-18													
Mar-18													
Mar-18 Apr-18	3/31/2018 4/1/2018												
Apr-18	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,												
Apr-18 Apr-18													
Apr-18													
Apr-18													
	4/30/2018 5/1/2018												
May-18	5/15/2018												
May-18 May-18													
May-18													
May-18 May-18	5/31/2018												
	6/1/2018												
Jun-18													
Jun-18 Jun-18													
Jun-18													
Jun-18 Jun-18	6/30/2018												
Jul-18	7/1/2018												
Jul-18													
Jul-18 Jul-18													
Jul-18													
Jul-18 Jul-18	7/31/2018												
	8/1/2018												
-	-												

CONFIDENTIAL GHG Data Last Auction **ELECTRIC Portfolio: CP3 WAC Calculation** Transaction/Activity Details Inventory Emissions and \$ Pricing (\$/MT) **Direct GHG Costs** True Up due to Re-value of Surrendered Volumes True-Ups Monthly BA Entry Monthly Balancing (Current WAC-Prio Period WAC) x Cumulative Surrender Qty (\$) WAC x Direct Direct WAC x Prior Period (Current WAC-Prior Period WAC Monthly Emissions Prior Period Quantity Purchase Sales \$ ventory Balance Total Qty in Inven rue-Up Value Transaction Emission **Emissions of** Volumetric WAC) x Cumulative Emission Prior Months (\$) Month Total Cost (\$) Total Sales (\$) Qty (\$) Pur/(Sales) (MT) \$ (\$/MT) (\$/MT) (\$/MT) +/- (\$) True-Up (MT) (MT) ARB (MT) Surrender to ARB Date (\$) Account Entries (MT) (\$) 8/14/2018 Aug-18 Aug-18 8/30/2018 Aug-18 8/31/2018 Aug-18 Aug-18 Aug-18 8/31/2018 9/1/2018 Sep-18 Sep-18 9/10/2018 Sep-18 Sep-18 Sep-18 Sep-18 Sep-18 9/30/2018 Oct-18 10/1/2018 10/2/2018 10/24/2018 Oct-18 Oct-18 10/25/2018 Oct-18 Oct-18 Oct-18 10/31/2018 Nov-18 11/2/2018 11/14/2018 Nov-18 11/29/2018 Nov-18 Nov-18 Nov-18 Nov-18 Nov-18 11/30/2018 Dec-18 12/1/2018 12/18/2018 Dec-18 Dec-18 Dec-18 Dec-18 Dec-18 Dec-18 12/31/2018 Jan-19 1/1/2019 Jan-19 Jan-19 Jan-19 Jan-19 Jan-19 1/31/2019 Jan-19 Feb-19 2/1/2019 Feb-19 2/20/2019 Feb-19 Feb-19 Feb-19 Feb-19 Feb-19 2/28/2019 Mar-19 3/1/2019 Mar-19 3/15/2019 3/29/2019 Mar-19 Mar-19 3/29/2019 Mar-19 Mar-19 Mar-19 3/31/2019 Apr-19 4/1/2019 /30/2019 Apr-19 Apr-19 Apr-19 Apr-19

		GHG Data VAC Calculation					Last Auction S						
Month			Transaction/Activity Details		Inventory Emissions and \$	WAC Pricing (\$/MT)	Direct GHG Costs	True-Ups	Monthly BA Entry	True Up due to Prior Period Volumetric Adjustments	True Up due to Re-value of Cumulative Emissions	True Up due to Re-value of Surre	idered Volumes
Month	Transaction Date	Transaction Type	Quantity Purchase Sales \$ Pur/(Sales) (MT) \$ (\$/MT) (\$/MT)	Total Cost (\$) Total S	ales (\$) Inventory Balance Total Qty in Invent (\$) (MT)	\Box	Direct WAC x Direct Monthly Emissions Emissions Qty (MT) (\$)	True-Up Value +/- (\$)	Monthly Balancing Account Entries (\$)	Prior Period WAC x Prior Period Monthly True-Up (MT) True Up Qty Balancing (\$) Account Entries	Cumulative Emissions of Prior Months (MT) (Current WAC-Prior Period WAC) x Cumulative Emissions Prior Months (\$)	Volumetric Surrender to Volumetri ARB (MT) Surrender to (MT)	c Period WAC) x
Apr-19 Apr-19 May-19 May-19 May-19 May-19 May-19 Jun-19 Jun-19 Jun-19 Jun-19 Jun-19 Jun-19 Jun-19	4/30/2019 5/1/2019 5/14/2019 5/24/2019 5/24/2019 5/31/2019 5/31/2019 6/1/2019												
Jun-19 Jul-19 Jul-19 Jul-19 Jul-19 Jul-19 Jul-19 Jul-19 Aug-19 Aug-19 Aug-19 Aug-19 Aug-19	6/30/2019 7/1/2019 7/31/2019 8/1/2019 8/20/2019 8/29/2019 8/29/2019												
Aug-19 Aug-19 Aug-19 Sep-19 Sep-19 Sep-19 Sep-19 Sep-19 Sep-19 Sep-19	5/14/2019 8/31/2019 9/1/2019 9/25/2019 8/29/2019 9/30/2019 10/1/2019												
Oct-19 Oct-19 Oct-19 Oct-19 Oct-19 Oct-19 Oct-19 Oct-19 Oct-19 Nov-19 Nov-19	10/7/2019 10/7/2019 10/9/2019 10/10/2019 10/15/2019 10/17/2019 10/25/2019 10/31/2019 11/1/2019 11/19/2019												
Dec-19 Dec-19 Dec-19 Dec-19 Dec-19 Dec-19	11/30/2019 12/1/2019 12/31/2019												

CONFIDENTIAL GHG Data ELECTRIC Portfolio: CP3 WAC Calculation Pricing (\$/MT) Transaction/Activity Details Inventory Emissions and \$ **Direct GHG Costs** True Up due to Re-value of Surrendered Volumes True-Ups Monthly BA Entry Monthly Balancing (Current WAC-Prio Period WAC) x Cumulative Surrender Qty (\$) WAC x Direct WAC x Prior Period (Current WAC-Prior Period WAC Monthly Emissions Quantity Purchase Sales \$ ventory Balance Total Qty in Inven rue-Up Value **Prior Period** Transaction Emission **Emissions of** Volumetric WAC) x Cumulative Emission Prior Months (\$) Total Cost (\$) Total Sales (\$) Qty (\$) Pur/(Sales) (MT) \$ (\$/MT) (\$/MT) (\$/MT) +/- (\$) True-Up (MT) (MT) ARB (MT) Surrender to ARB Date (\$) Account Entries (MT) (\$) 1/1/2020 Jan-20 Jan-20 Jan-20 Jan-20 Jan-20 Jan-20 1/31/2020 Feb-20 2/1/2020 2/19/2020 Feb-20 Feb-20 Feb-20 Feb-20 Feb-20 Feb-20 2/29/2020 3/1/2020 Mar-20 Mar-20 Mar-20 Mar-20 Mar-20 Mar-20 Mar-20 3/31/2020 Apr-20 4/1/2020 Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 4/30/2020 5/1/2020 May-20 May-20 5/20/2020 10/25/2018 May-20 May-20 May-20 May-20 May-20 5/31/2020 Jun-20 6/1/2020 Jun-20 Jun-20 Jun-20 Jun-20 Jun-20 Jun-20 6/30/2020 Jul-20 7/1/2020 Jul-20 Jul-20 Jul-20 Jul-20 Jul-20 Jul-20 7/31/2020 Aug-20 8/1/2020 8/18/2020 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 8/31/2020 9/1/2020 Sep-20 10/9/2019 Sep-20 Sep-20 9/22/2020 Sep-20 9/23/2020

LCTRIC PC	rttollo: CP3 W	/AC Calculation					T	WAC											
Month			Transaction/Activity	Details			Inventory Emissions and \$	Pricing (\$/MT)	Direct GHG Costs	True-Ups	Monthly BA Entry	True Up due to	Prior Period Volume	tric Adjustments	True Up due to	Re-value of Cumulative Emissions	True Up due to	Re-value of Surrendered	d Volumes
Month	Transaction Date	Transaction Type	Quantity Purchas Pur/(Sales) (MT) \$ (\$/MT		Total Cost (\$)	Total Sales (\$)	Inventory Balance Total Qty in Inventor (\$) (MT)	ry WAC (\$/MT)	Direct WAC x Direct Monthly Emissions Emissions Qty (MT) (\$)	True-Up Value +/- (\$)	Monthly Balancing Account Entries (\$)	Prior Period True-Up (MT)	WAC x Prior Period True Up Qty (\$)	Cumulative Monthly Balancing Account Entries (\$)	Cumulative Emissions of Prior Months (MT)	(Current WAC-Prior Period WAC) x Cumulative Emissions Prior Months (\$)	Volumetric Surrender to ARB (MT)		(Current WAC-Pr Period WAC) x Cumulative Surrender Qty (
Sep-20	9/22/2020																		
Sep-20	9/22/2020																		
Sep-20	9/22/2020																		
Sep-20	9/28/2020																		
Sep-20	9/30/2020																		
Oct-20 Oct-20	10/1/2020																		
Oct-20																			
Oct-20																			
Oct-20																			
Oct-20																			
Oct-20	10/31/2020																		
Nov-20	11/1/2020																		
Nov-20 Nov-20	11/17/2020																		
Nov-20																			
Nov-20																			
Nov-20																			
Nov-20	11/30/2020																		
Dec-20	12/1/2020																		
Dec-20 Dec-20																			
Dec-20 Dec-20																			
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DCC LO																			

ATTACHMENT B

SDG&E's 2020 GHG COST RECOVERY TEMPLATE C-2

Template C-2 The GHG Balancing Account Table is provided in this 2020 ERRA Compliance pursuant to A.13-08-002 Proposed Decision, OP 1 & 2. Decision modifying Decision D.19-04-016, Attachment A

San Diego Gas & Electric DIRECT GHG COSTS 2020 (in millions)									
ERRA	PABA	LGBA	Total						
	HG COSTS 2020 (in	HG COSTS 2020 (in millions)	HG COSTS 2020 (in millions)						

ATTACHMENT C

SDG&E's 2019 & 2020 GHG COST TEMPLATE D-2

SUBMITTED WITH SDG&E's 2022 ERRA Forecast filing

Template D-2: Annual GHG Emissions and Associated Costs

		20)19	20	020
Line	Description	Forecast	Recorded	Forecast	Recorded
1	Direct GHG Emissions (MTCO2e)				
2	Utility Owned Generation (UOG)				
3	Tolling Agreements				
4	Energy Imports (Specified)				
5	Energy imports (Unspecified)				
6	RPS Adjustment				
6.5	2013 Under-Reported True-Up (Section 95858 of C&T Regulation)1				
7	Qualifying Facility (QF) Contracts				
	Contract with Financial Settlement				
8	Subtotal				
15	GHG Costs (\$)				
16	Direct GHG Costs2				
16.5	Direct GHG Costs True-Up3				
17	Direct GHG Costs - Financial Settlement				

CONFIDENTIAL INFORMATION

ATTACHMENT D

DECLARATION OF JAMES MAGILL 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 JAMES MAGILL REGARDING CONFIDENTIALITY OF CERTAIN DATA/DOCUMENTS PURSUANT TO D.16-08-024, et al.

I, James Magill, do declare as follows:

- 1. I am a Manager Settlements & Systems 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 Sheri Miller's Prepared Direct Testimony ("Testimony") in support of SDG&E's "Application ... for Approval (i) Contract Administration, Least Cost Dispatch and Power Procurement Activities in 2020, (ii) Costs Related to those Activities Recorded to the Energy Resource Recovery Account and Transition Cost Balancing Account in 2019 and (iii) Costs Recorded in Related Regulatory Accounts in 2019" ("Application"). I am personally familiar with the facts and representations 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.") 16-08-024, D.17-05-035, and D.17-09-023 to demonstrate that the confidential information ("Protected Information") provided in the Testimony is within the scope of data protected as confidential under applicable law.
- 3. In accordance with the legal authority described herein, 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 1st day of June, 2021, at San Diego.

D - 2

ATTACHMENT D

SDG&E Request for Confidentiality

on the following information in its Application for Approval of Its 2020
(i) Contract Administration, Least Cost Dispatch and Power
Procurement Activities in 2020, (ii) Costs Related to those Activities
Recorded to the Energy Resource Recovery Account, Transition Cost
Balancing Account, and Local Generating Balancing Account in 2020,
and (iii) Costs Recorded in Related Regulatory Accounts in 2020

Location of Protected Information	Legal Authority	Narrative Justification
Attachment A (Schedule C-1),	D.14-10-033;	GHG WAC calculations are
calculation and values of monthly GHG	D.16-08-024;	confidential pursuant to D.14-
WAC, inventory balances, emissions	D.17-05-035;	10-033 Attachment A.
expense, purchases, sales, and	D.17-09-023;	
surrendered GHG instruments.	Public Utilities	GHG emissions: Disclosure of
	Code Section	GHG recorded and forecast
Attachment B (Schedule C-2), lines 9-12	454.5(g).	GHG costs would allow market
GHG direct costs		participants to know SDG&E's
		recorded and forecasted GHG
Attachment C (Schedule D-2), lines 1-17		obligation, thereby
GHG costs & emissions		compromising SDG&E's
		contractual bargaining power
Testimony page SM-2, lines 14 & 15		such that customer costs are
GHG costs		likely to rise. Thus, the release
		of this non-public confidential
		information will unjustifiably
		allow market participants to
		use this information to the
		disadvantage of SDG&E's
		customers.