Application:	A.21-12-
Exhibit No.:	SDG&E-
Witness:	Ray Utama

PREPARED DIRECT TESTIMONY OF

RAY UTAMA

ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA



DECEMBER 17, 2021

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PREPARED DIRECT TESTIMONY OF RAY UTAMA ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

I. OVERVIEW AND PURPOSE

My prepared direct testimony presents San Diego Gas & Electric Company's ("SDG&E") proposed rate design for the Vehicle-to-Grid Commodity Export ("V2G-Export") rate. Specifically, this testimony proposes the rate design for a new optional electric commodity credit-for-export rate applicable to separately metered commercial electric vehicle ("EV") customers. As described in the prepared direct testimony of SDG&E witness Taylor Marvin, the optional V2G-Export commodity credit-for-export rate is open to EV customers taking service on Schedule EV-HP (Electric Vehicle High Power Rate). Schedule EV-HP was approved by the California Public Utilities Commission ("Commission") in Decision ("D.") 20-12-023 and is expected to be implemented and available on January 1, 2022.

As addressed in Mr. Marvin's testimony, SDG&E is proposing this optional V2G-Export rate pursuant to Ordering Paragraph ("OP") 9 of D.20-12-023, which directs SDG&E "to file an application for an optional dynamic rate designed to encourage commercial EV charging within 12 months of that decision."

II. RATE DESIGN PROPOSAL

SDG&E is proposing the new optional V2G-Export rate as a credit-for-export rate open to EV customers taking service on Schedule EV-HP. This optional credit-for-export rate only sets compensation prices for energy exported to the grid. As adopted in D.20-12-023, customers will be billed normally for all energy imports based on Schedule EV-HP for Utility Distribution

Company ("UDC") rates and applicable EV-HP commodity rates. The EV-HP rates are scheduled to be implemented and available on January 1, 2022.

SDG&E proposes two basic components to compensate EVs for energy exported to the grid. Specifically, the proposed V2G-Export credit-for-export rate includes: 1) Variable Pricing leveraging the California Independent System Operator ("CAISO") day-ahead hourly market; and 2) Peak Energy Payments ("PEP") to incentivize exports during times of grid need. Both components are further described below.

A. CAISO Day-Ahead Hourly Prices

SDG&E proposes to incorporate the CAISO day-ahead hourly market price as an energy compensation (\$/kilowatt-hour[kWh]) that would be provided to customers on a day-ahead basis. The CAISO day-ahead price will be based on the hourly Locational Marginal Prices ("LMP") at SDG&E's Default Load Aggregation Point ("DLAP"), derived from the CAISO Open Access Same-time Information System ("OASIS") website. Day-ahead hourly pricing will provide adequate time to allow customers to plan whether to export to the grid and manage the rest of their daily load.

B. Peak Energy Payment

SDG&E also proposes to incorporate the PEP as volumetric energy compensation (\$/kWh) during peak grid events equal to the Critical Peak Pricing ("CPP") Event Day Adders based on marginal commodity costs. The PEP rates reflect the SDG&E marginal commodity

¹ D.20-12-023 adopted specific Schedule EECC and Schedule EECC-CPP-D commodity rates for EV-HP customers.

² California ISO, Oasis, available at http://oasis.caiso.com/mrioasis/logon.do.

1	costs in its 2019 General Rate Case ("GRC") Phase 2.3 The PEP rates of approximately \$0.91 per
2	kWh are equal to the CPP Event Day Adders implemented for Schedule EV-HP customers

effective January 1, 2022, as shown in Schedule EECC CPP-D (Critical Peak Pricing Default)

4 for EV-HP customers. Peak grid events are to be called as described in Schedule EECC-CCP-D,

with a maximum of eighteen events per calendar year that can be triggered on any day of the

week.

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III. CONCLUSION

SDG&E recommends that the Commission adopt the proposed V2G-Export rate, including the components of CAISO day-ahead hourly price and PEP described above, as an optional electric energy export compensation rate for EV customers taking service on Schedule EV-HP.

This concludes my prepared direct testimony.

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Application ("A.") 19-03-002, Application of San Diego Gas & Electric Company (U 902 E) for Authority to Update Marginal Costs, Cost Allocation, and Electric Rate Design (March 4, 2019).

IV.	STATEMENT	OF QUALIFICATIONS
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My name is Ray Utama and I am a Rate Strategy Project Manager II in the Customer
Pricing department for SDG&E. My business address is 8330 Century Park Court, San Diego,
California, 92123. I have held this position for approximately four months and have been
employed by the Sempra Energy family of companies for approximately 9 years. I received a
Bachelor of Science degree in Accountancy, with a minor in Economics, from the San Diego
State University in 2010. I am a Certified Public Accountant, licensed in the state of California.
I have previously testified before the Commission. In addition, I have previously submitted
testimony before the Federal Energy Regulatory Commission.