## Exhibit to Agenda Item # 2

# Green Pricing (Voluntary Renewable Energy Program) Update

Energy Resources & Customer Services Committee Wednesday, October 20, 2021, scheduled to begin at 5:30 p.m. Virtual Meeting (online)



## Green Pricing Programs

#### 24 years of national program leadership

✓ Delivered 1.3 TWh or ~12% of our sales in 2020

Greenergy = 950 GWhs

396 GWhs 554 GWhs



SolarShares = 321 GWhs

< 1 GWhs</p>



**11** 321 GWhs

Offerings have and will continue to evolve over time.





## Green Pricing Program objectives

- Align with 2030 Zero Carbon Plan.
- Meet customer demand for clean and renewable power.
- Provide co-investment in clean power options.
- Increase Clean PowerCity<sup>SM</sup>
   engagement through enrollment.
- Offer diverse renewable options to environmentally-oriented customers.





## Greenergy Redesign — Residential

#### **Existing ~72,000 participants**

- ✓ \$4/month 50% kWh Carbon Free
- ✓ \$8/month 100% kWh Carbon Free

#### **New options**

- √ \$3/month 200kWh CA Renewable
- ✓ \$10/month 100% CA Renewable
- ✓ \$18/month 100% Local Renewable





### NEW Greenergy — Residential Community Options

#### **Greenergy – Neighbor**

√ \$3/month for a block of 200kWh

CA Renewable per "neighbor"

#### **Greenergy - Climate Advocate**

✓ Variable \$/month to support local carbon reduction projects





## Greenergy Redesign — Commercial

#### Existing ~2,000 accounts

✓ Greenergy Partner

(\$5/block or \$0.005/kWh) — Closed to new participants

- ✓ Greenergy Partner Plus (\$10/block or \$0.01/kWh)
  - ✓ Custom Greenergy

(custom pricing based on specialized content)

#### **New options**

- ✓ 100% CA Renewable (est. ~\$13/block or \$0.013/kWh)
- ✓ Zero Net Energy Products

  (require longer term contracts to meet customer needs 10-20 years)





### SolarShares Variations – 2007 to Now

Residential
Solar Shares
(Closed in 2019 with
640 participants)

Special
Agreements
(DGS & Golden1
Center)

Large
Commercial
SolarShares
(Closed in 2018 fully subscribed with 29 customers)

Neighborhood SolarShares
Title-24 community solar
compliance option
740 SF homes & 2724 MF units
enrolled to-date to be built by 2024

SolarShares redesign



## SolarShares for Existing Residential Customers - Redesign Coming in 2022

Updated SolarShares program design will:

- ✓ Align with NEM successor, virtual solar and storage programs.
- ✓ Focus on customers that are unable to install or don't want rooftop solar.





### CEC – 2020 Power Content Label

#### 2020 POWER CONTENT LABEL Sacramento Municipal Utility District smud.org/SMUDPCL Greenhouse Gas Emissions Intensity 2020 CA Energy Resources (lbs CO<sub>2</sub>e/MWh) General Mix Commercial PartnerPlus 4 6 1 Partner Residential Power Mix 2020 CA Utility Eligible Renewable<sup>1</sup> 33.8% 85 0% 0.0% 100.0% 100.0% 33.1% SolarShares SolarShares SMUD General Mix Greenergy PartnerPlus Commercial Residential Average Biomass & Biowaste 7.0% 27.3% 0.0% 0.0% 0.09 2.5% 358 24 944 0 466 Geothermal 3.5% 1.4% 0.0% 0.0% 0.09 4.9% Eligible Hydroelectric 0.6% 0.0% 0.0% 0.0% 0.0% 1.4% 1000 SMUD General Mix Solar 0.5% 28.9% 0.0% 100.0% 100.09 13.2% Wind 22.2% 27.4% 0.0% 0.0% 800 0.0% 11.1% ■ Greenergy PartnerPlus Coal 0.0% 0.0% 0.0% 0.0% 0.0% 2.7% 600 Greenergy Partner Large Hydroelectric 29.1% 15.0% 0.0% 0.0% 12.2% 0.0% Natural Gas 35.2% 0.0% 0.0% 0.0% 0.0% 37.1% 400 SolarShares Commercial Nuclear 1.3% 0.0% 0.0% 0.0% 0.0% 9.3% 200 Other 0.1% 0.0% 0.0% 0.0% 0.0% 0.2% SolarShares Residential Unspecified Power<sup>2</sup> 0.5% 0.0% 100.0% 0.0% 0.0% 5.4% 2020 CA Utility Average TOTAL 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% Percentage of Retail Sales Covered by Retired Unbundled RECs3: 0% <sup>1</sup>The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. <sup>2</sup>Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. If you are a participant in a product that shows a "Percentage of Retail Sales Covered by Retired Unbundled RECs", SMUD purchased unbundled RECs to match all or a portion of your energy usage. For more

information about the renewable sources of these unbundled RECs, please refer to our webpage listed above.

Some customers may be served by more than one electricity portfolio.

Sacramento Municipal Utility District (SMUD) 888-742-7683

For general information about the Power Content Label, visit:

For specific information about this electricity portfolio, contact:

http://www.energy.ca.gov/pcl/

For additional questions, please contact the California Energy Commission at:

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Toll-free in California: 844-454-2908 Outside California: 916-653-0237



## Updated Program Implementation Timelines



2022

