

Exhibit to Agenda Item #1

Provide the Board with informational internal and external presentations and discussion on SMUD's Community Solar Strategy.

Board Strategic Development Committee and Special SMUD Board of Directors Meeting

Tuesday, February 11, 2025, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium

SMUD's Community Solar Programs



Residential SolarShares

2007

1st offering in the nation for customers unable to purchase solar power. Subscribed in 6 months, but too expensive to scale.

Commercial Program Expansion

2017

Added utility-scale solar to supply 29 more commercial customers, including Golden 1 Center. Subscribed within 1 year.



Neighborhood SolarShares

2020

Local, community solar option for developers & customers to meet Title 24 solar mandate.

Virtual Solar

2022, 2026

Solar access for affordable multi-family housing; credit allocation to tenants; extended to market-rate MFH in 2025

Residential SolarShares

2023

Relaunched to target low- to moderate-income customers



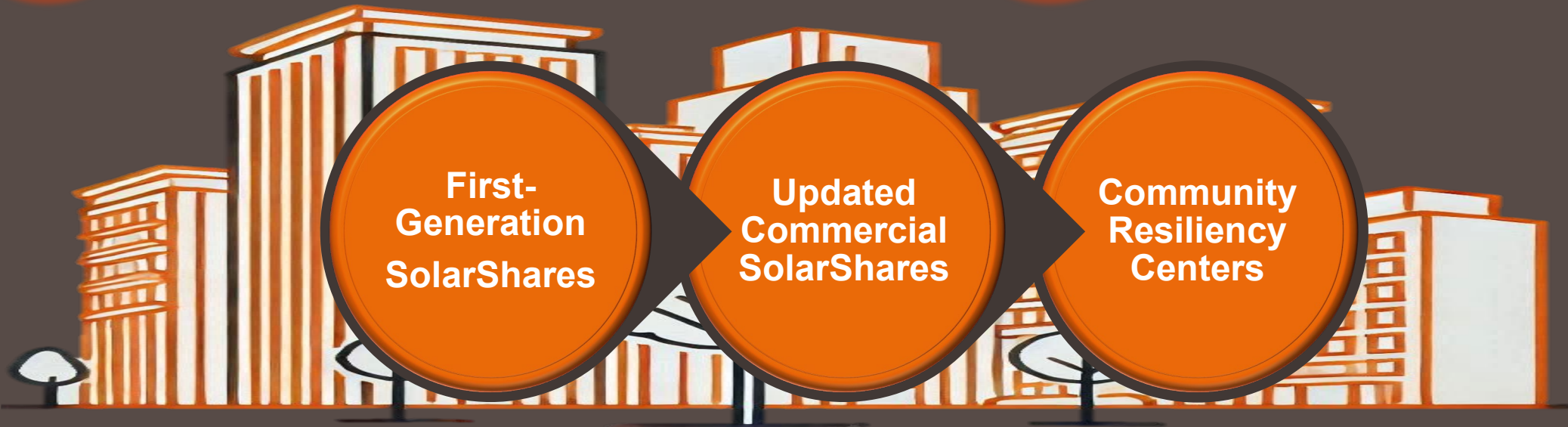
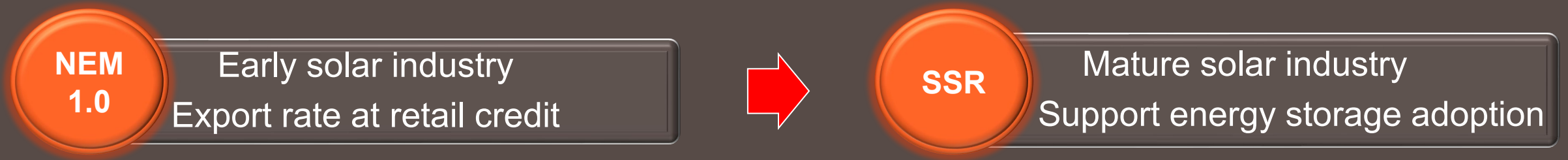
Board Strategic Development Committee and
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Deepening Decarbonization and Unlocking Additional Value for Customers



School-Hosted Community Resiliency Center



A shelter for community members when the grid is down during extreme weather events/emergencies

Combines community solar and community resilience

Innovative design:

- Front-of-the meter solar
- Behind-the-meter energy storage
- Electric school buses with V2B capability

Status of Community Solar Plus

Hiram Johnson High School, Sacramento City Unified School District



- CA's OPR Grant – 750K awarded to SCUSD (SMUD is a major sub with \$360K.)
- Expected design completion in 2026
- Completed economic analysis of the school's opportunity cost.

Grant Union High School, Twin Rivers Unified School District



- To be fully funded by SMUD; GRIP TA-2 grant not awarded; Potential source of funding is AB 32.
- Site walk completed in Jan 2025; analyzed consumption data and solar sizing; to finalize the design based on stakeholders' inputs.
- Designated by the American Redcross as an emergency shelter

Looking ahead

- **New solar supplies:** Design a new program to leverage new solar capacities from untapped segments, such as warehouses, schools, big box stores, and parking facilities
- **Strategic siting:** Besides rooftop or land area availability, investigate additional factors that would contribute to ideal siting
- **Costs:** Mitigate the potential high costs from developing smaller-scale solar systems
- **Sharing of benefits:** Besides compensation mechanisms, explore additional ways to share benefits with SMUD and communities
- **Customer segments and needs:** Additional demand for 24/7 clean electricity.

Q&A Session