

Exhibit to Agenda Item #2

Brief the Board on current grant strategy and recent grant activity.

Board Strategic Development Committee and Special SMUD Board of Directors Meeting

Tuesday, February 6, 2024, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium

Focus Area Refresh

Grant Strategy – Focus Areas

8 Main Focus Areas

- Clean Fuels
- Carbon Capture
- Long Duration Energy Storage
- Building Electrification
- Transportation Electrification
- Load Flexibility
- Under Resourced Communities
- Climate Emergency Prevention



June 6, 2023

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Board Strategic Development Committee and Special SMUD Board of Directors Meeting



2023 Recap and Highlights



Clean Fuels

- \$1.2B in hydrogen funding for CA.
- ARCHES is currently evaluating tier 1 projects.
- Two SMUD projects identified as tier 2 projects.

25

Grant Applications Developed



Carbon Capture

- \$270M for carbon capture at Sutter Energy Center.
- Enables ~1.75 MMT of carbon capture per year.
- SMUD will be an off-taker of energy.

9

Winning Applications
(7 Applications still pending)

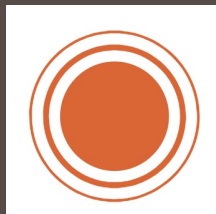


Load Flexibility

- \$50M for SMUD's Connected Clean PowerCity.
- Grid edge intelligence technologies.
- Includes Tribal Collaboration Case Study.

~\$330M

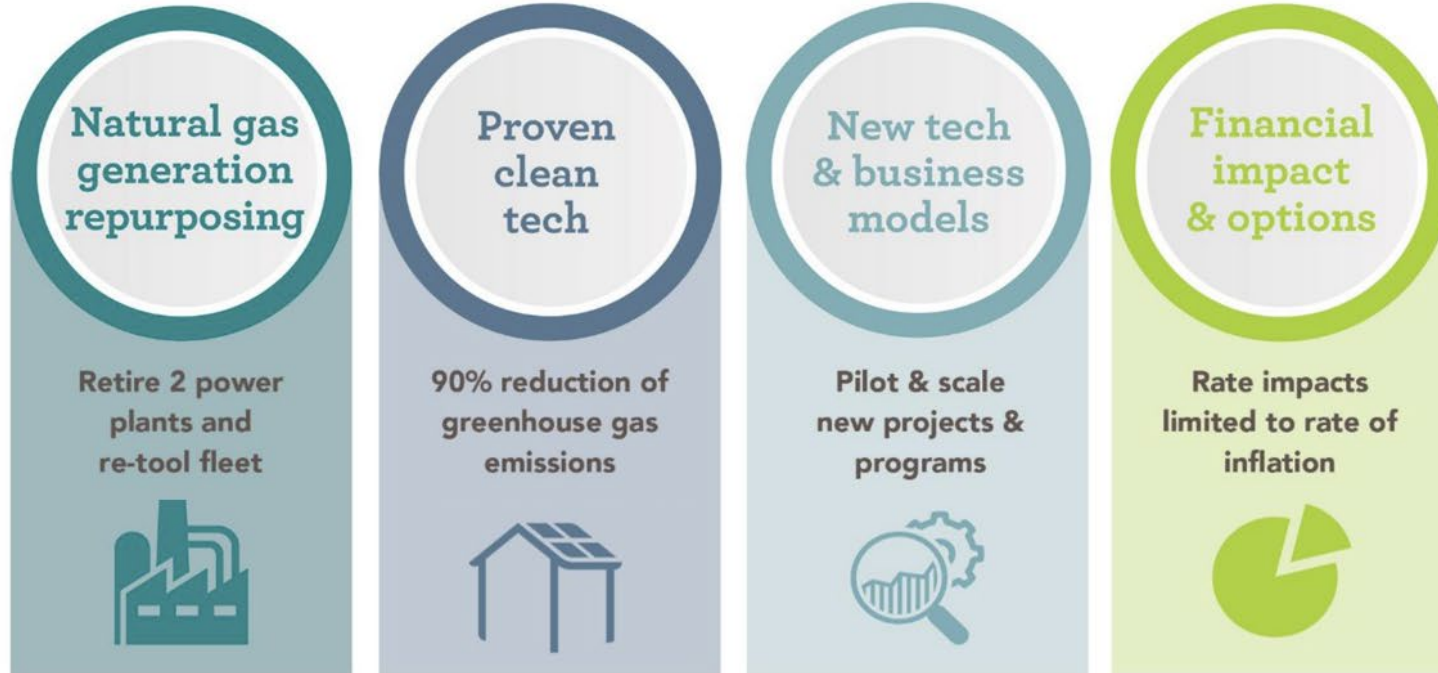
Grant Funding for the region.



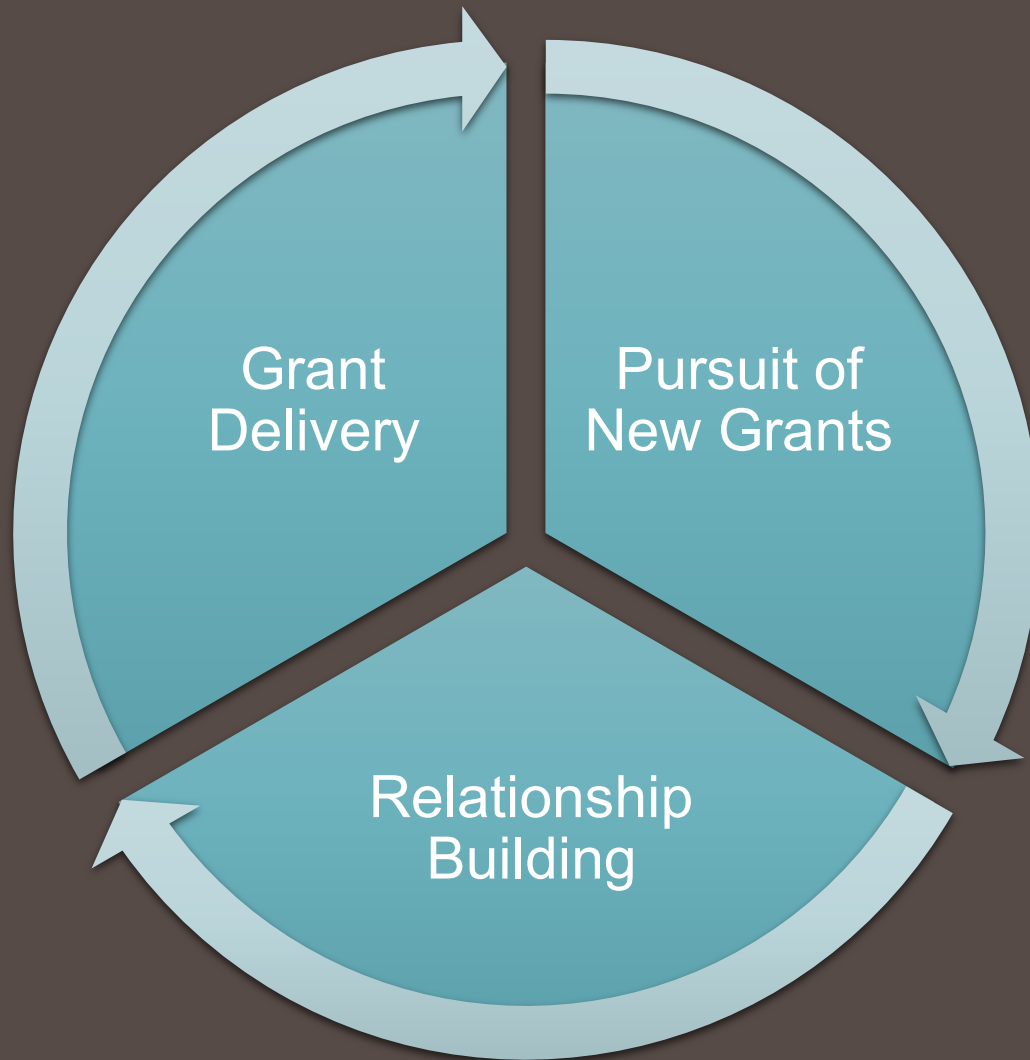
Transportation Electrification

- ~\$5M EV charging at multi-family dwellings.
- ~\$3M to upgrade SMUD DCFC network.
- Grants include Level 2, Level 1 and Smart Plug charging as well as an EV charging App.

Looking Ahead for 2024



Opportunities and Trends for 2024



- GRIP 2024
 - Topic Area 1- Grid Resilience \$100M Grant Funding.
 - Topic Area 3- Grid Innovation \$250M Grant Funding.
 - Applications due Q2' 2024 (Projects to be determined).
- Ecosystem of EV grants
 - Continued smaller opportunities to meet overall need.
- Increased focus on energy storage, climate change readiness, and transmission system infrastructure.
- ARCHES led hydrogen pathway development.
- Community impact underpins all grant initiatives.