

Exhibit to Agenda Item #1

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

Board Strategic Development Committee and Special SMUD Board of Directors Meeting

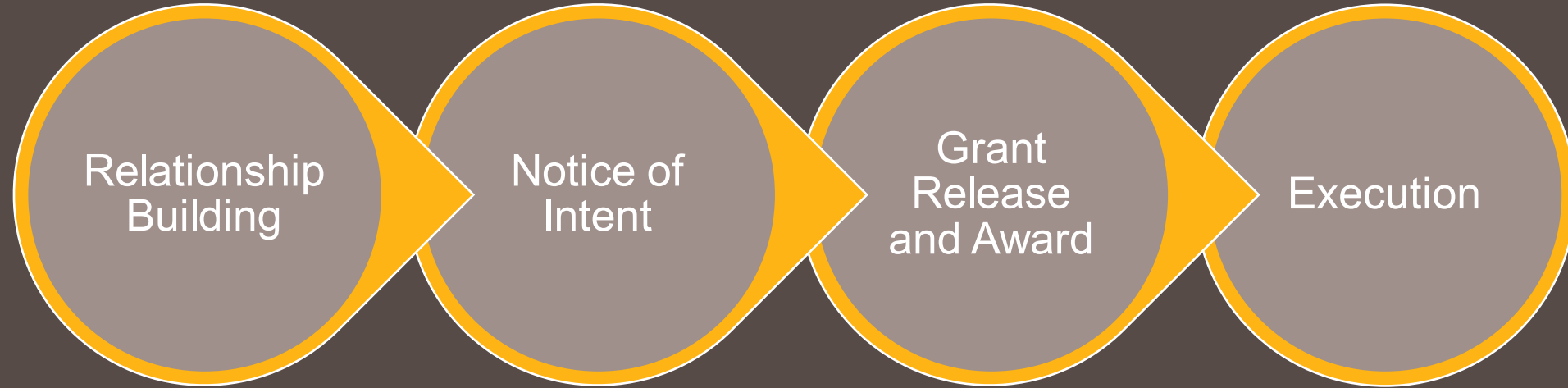
Tuesday, June 6, 2023, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium

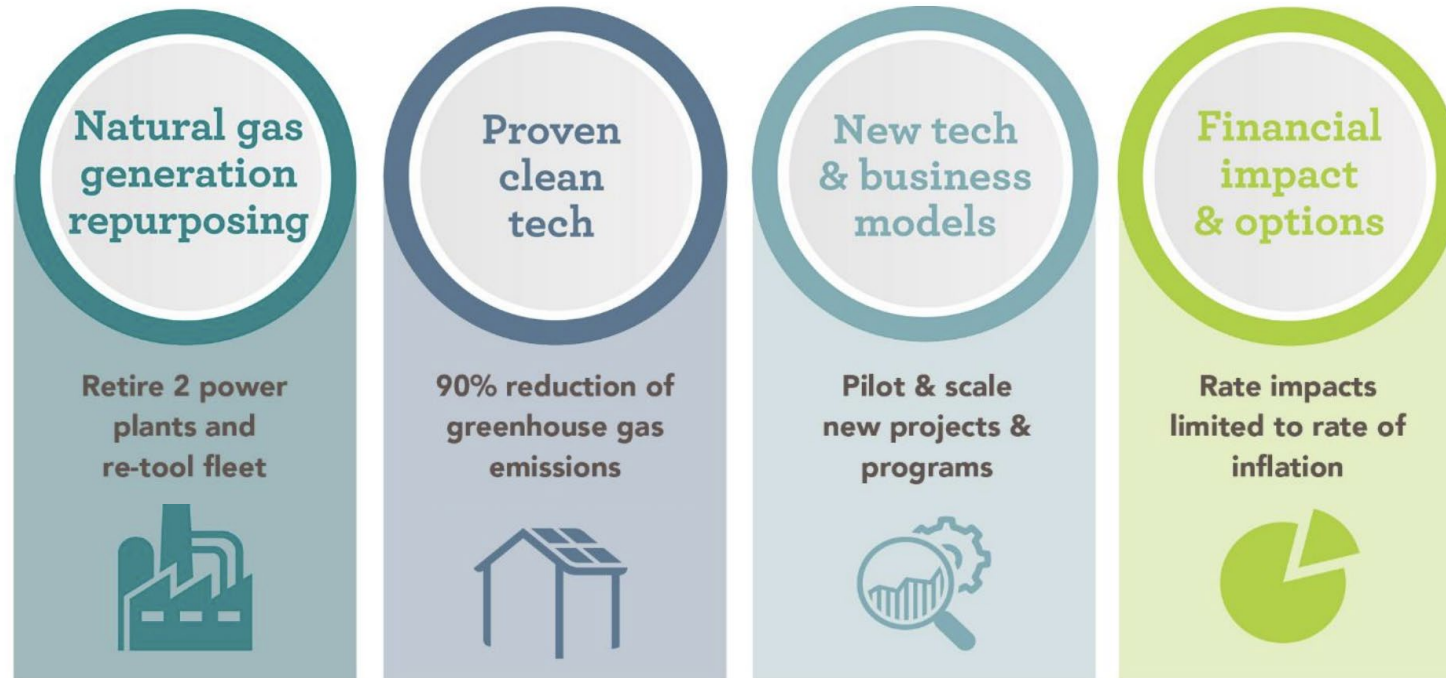
Agenda

- Funding Agency Background
- Grant Strategy Framework
- Recent Activity

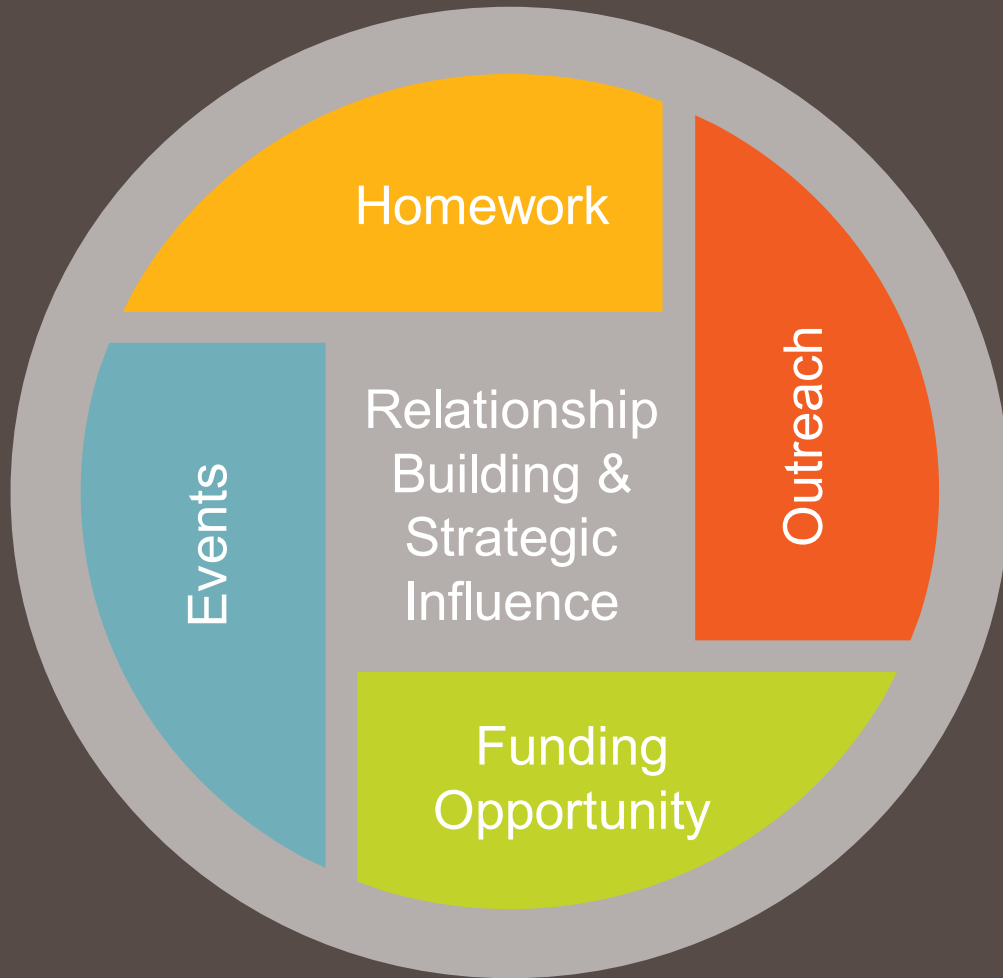
Funding Agency Background



Grant Strategy – Zero Carbon Plan



Grant Strategy – Relationship Building



▶ Events: Speaking engagements; conferences; panels; seminars; listening sessions

▶ Outreach: Direct communications; updates/follow-ups; info-sharing; commenting; responding

▶ Homework: Project ideation & conception; internal vetting; prioritization; research; strategy

▶ Funding Opportunity: Result in grants cycle; not endpoint; signals pre-capture done right; "opportunity" to execute successfully

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



Grant Strategy – Opportunity Readiness



Project Concepts

- Priority projects organized by focus area and aligned to our Clean Energy Vision



Regional Collaboration and Technology Partners

- Regional and technology partners aligned before new grant opportunities become available



Strategic Funding Plan

- We empower a regional voice to align federal & state funding opportunities to SMUD's Clean Energy Vision

Recent Activity - Overview

- Grant opportunities since February 2022
 - Federal Grants Pursued: 12
 - State Grants Pursued: 11
- 12 Grant Projects Currently Being Delivered
 - Over \$42M of projects directly enabled by grants
- 15 Grant applications awaiting announcement of winner
 - Over \$90M of grant funds requested



Recent Activity - Highlights



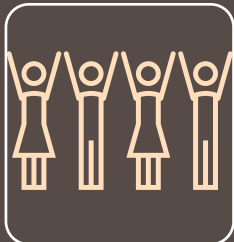
Carbon Capture Demonstration Projects Program

- Application: Sutter Energy Center Carbon Capture and Sequestration Project (CCS Project)
- Requested Funds: \$270M
- Agency: Department of Energy
- Status: CalPine submitted application. SMUD; Approval received to execute a Memorandum of Agreement



Grid Resilience and Innovation Partnerships (GRIP) Program

- Application: Connected Clean PowerCity
- Requested Funds: \$50M
- Agency: Department of Energy
- Status: Application submitted. Awaiting announcement of winners. Expected Fall 2023.



Community Economic Resilience Fund (CERF)

- Application: Valley Vision
- Won: \$5M (Funding to support Community Benefit Organizations)
- Agency: Governors Office of Planning and Research
- Status: Building launch and oversight committees to start the planning process

Recent Activity - Highlights



Vehicle Technology Office: Community-Driven Electric Vehicle Charging Deployment in Underserved Communities

- Application: EVEN-UP
- Won: \$ 1.2M (Funding to support Community Benefit Organizations)
- Agency: Department of Energy
- Status: Awarded May 2023



Vehicle Technology Office: Demonstration and Deployment of Clean Transportation Projects

- Application: V4America
- Won: ~\$1.1M (~\$100k to SMUD, ~\$1M to project costs)
- Agency: Department of Energy
- Status: Awarded May 2023



Charge Ready Communities (REACH): Vehicle Charging for Multi-Family Housing

- Application: ChargeReady Community
- Won: \$2.2M (~\$2.2M to SMUD)
- Agency: California Energy Commission
- Status: Project in implementation

Recent Activity - Highlights



Fast and Available Charging for All Californians (FAST)

- Application: SMUD DC fast charger upgrade
- Request: \$2M-\$3M
- Agency: California Energy Commission
- Status: Application in development



Responsive, Easy Charging Products with Dynamic Signals (REDWDS)

- Application: Vehicle to grid managed charging
- Request: \$2-3M
- Agency: California Energy Commission
- Status: Application in development



Core Laboratory Infrastructure for Market Readiness (CLIMR)

- Application: Commercialize inverter sizing software
- Request: \$750K
- Agency: DOE Technology Commercialization Fund
- Status: Awaiting notification of award

Recent Activity - Highlights



FEMA Public Assistance for Winter Storms 2023 (DR 4683)

- Application: California Disaster Assistance
- Estimated Claim Benefit: \$TBD
- Agency: Federal Emergency Management Administration
- Status: Submitted damage inventory



Apprenticeship Innovation Funding

- Application: SMUD Joint Apprenticeship Committee
- Requested: ~\$370K (Annual Recurrence)
- Agency: California Department of Industrial Relations
- Status: Submitted application for reimbursement



FEMA Building Resilient Infrastructure and Communities (BRIC)

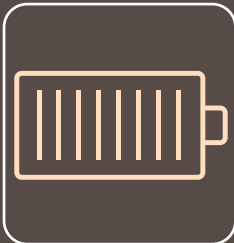
- Application: 2020 SMUD Microgrid Scoping Study
- Won: \$82K
- Agency: Federal Emergency Management Administration
- Status: Project in execution

Recent Activity – Lessons Learned



Advanced Transportation Technologies and Innovative Mobility Deployment (ATTAIN)

- Application: Advanced Electric Vehicle Grid Integration
- Requested: \$7M
- Agency: Department of Transportation
- Status: Department of Transportation awarded funds to state agencies



Long Duration Energy Storage Demonstration Funding Opportunity

- Application: 4MW/40MWh demonstration of non-Li long duration energy storage
- Requested: N/A
- Agency: Department of Energy
- Status: Elected non-grant funding alternative (Inflation Reduction Act Benefit)



Convenient, High-Visibility, Low-Cost Level 2 Charging

- Application: 1,500 Level 2 charging handles in downtown Sacramento
- Requested: N/A
- Agency: California Energy Commission
- Status: Collaboration cohort declined to submit application

Thank you!

Powering forward.
Together.

