Background & Objectives

Background:

• Open solicitation in second half of 2018
• $450k for 6 projects, $75k each
• 37 proposals received
• Up to 18 month-long projects
• Most projects started Q1/Q2 2019

Objectives:

• Identify high-potential projects that support PCE strategic objectives
• Increase community engagement
• Rapid execution with low administration
Selection criteria

• Accelerates GHG reductions and renewables
• Delivers community benefits (low income, workforce)
• Support’s PCE’s load serving needs
• Can be executed within PCE capacity and builds PCE capabilities
• Additional benefits (resilience, innovative, scalable & replicable, program gaps in region)
• Credentials and approach
## Selected Projects

<table>
<thead>
<tr>
<th>Awardee</th>
<th>Project</th>
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<tbody>
<tr>
<td>ARCA Recycling</td>
<td>Refrigerator Recycling Program</td>
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<tr>
<td>Ardenna</td>
<td>Peninsula Climate Comfort Pilot</td>
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<tr>
<td>Build it Green</td>
<td>Healthy Home Connect</td>
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<tr>
<td>CA Interfaith Power &amp; Light</td>
<td>Community Resiliency at Faith Institutions</td>
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<tr>
<td>Envoy Technologies</td>
<td>Disadvantaged Community Car Sharing Pilot</td>
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<td>SMCo Office of Sustainability</td>
<td>Municipal Green Fleets</td>
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Draft evaluation criteria

• GHG reduction
• Value to participant
• Equity participation
• Renewables alignment
• Scalability of project
  o Market potential
  o Programmatic gap in the region
  o PCE level of effort
• Informs PCE strategy
ARCA – Refrigerator Recycling Program

Overview

• Turnkey old refrigerator & freezer recycling
• Disposal adhering to strict EPA standards
• Captures high impact GHG sources
• Offers a $35 rebate per unit
• Up to 350 units
ARCA – Refrigerator Recycling Program

Update

• 121 refrigerators and freezers as of end of January
• 117 MT CO2 avoided

Next steps

• Undershooting target, ramping up marketing
Overview

• Comprehensive electrification of up to 5 homes
• In-depth technical and financial study
• Intended to establish business model for home electrification
• $3,000 rebate to participants
• Informs future programs
• Partners: Build it Green, Home Energy Analytics, Tom Kabat

Ardenna – Peninsula Climate Comfort Pilot
Ardenna – Peninsula Climate Comfort Pilot

Update
• 62 applicants
• 5 homes selected with for feasibility study
• Only 1 home moved forward with upgrades of space & water heating by requested time
  o Target was at least 3

Next steps
• Measure & Verification for one year
• Other homes may move forward but timing unclear
• Ardenna working on final report to summarize experience & lessons learned
Overview
• Provide healthy home upgrades & repairs to 10-16 low income homes in East Palo Alto and Daly City
• Homes with greatest need disqualified from energy assistance programs
• PCE gap funding enables remediations allowing disqualified homes to receive energy improvements
• Partners: El Concilio of San Mateo
Build It Green – Healthy Home Connect

Update
• Expected to support 14 homes
• 7 homes completed, 4 underway, 3 scheduled
• Build it Green acquired by Franklin Energy

Next steps
• Finalize homes
• Final report
Overview
• Work with local cities to develop green fleet plans
• Implement green fleet plan for County ops, put EV and e-bikes into service
SMCo OOS - Green Fleets

Update
• 14 local fleets provided data and expressed interest
• SMCo purchased Fusion Energi PHEV for Sheriff’s Office and 6 e-bikes for Parks Department

Next Steps
• Explore “EV First” policy
CA Interfaith Power & Light – Resiliency

Overview

• Engage the faith institutions to provide community solar + storage assets
• Increase resiliency by serving as community emergency hubs with clean backup power
• PCE funds provide for recruitment, design and securing additional resources for PV, storage and potentially EV charging
Update

• 4 congregations engaged to install solar plus storage
• 3 congregations reviewing solar plus storage bids for installation in 2020/2021
• 3 emergency preparedness meetings held (~40 ppl/ meeting) discussing resiliency and climate change
• Congregations creating disaster preparedness plans to implement during a shutoff or natural disaster

Next Steps

• Engage additional institutions to include in future solar plus storage projects
Overview
• Turnkey EV car sharing service in low-income apartment complex
• Evaluate potential for ongoing business model

Update
• Have not executed contract yet, issues with liability management
• Potential host site in East Palo Alto identified
## Draft Evaluation

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Next steps

• Evaluate and identify projects that we might continue future funding