Silicon Valley Clean Energy Authority

Report to the
Board of Directors
by Pisenti & Brinker LLP
February 12, 2020
Introduction...

Pisenti & Brinker –
- Founded in 1965
- Approximately 80 employees
- Perform work for many governmental entities, including several CCAs

Brett Bradford, CPA
- Audit Partner
- 16 years in public accounting and performing audits of governmental and other entities

Beth Samit, CPA, CGMA
- Senior Audit Manager
- 18 years in public accounting and performing audits of governmental and other entities
Audit of the year ended September 30, 2019 and 2018 Financial Statements

Relative Roles & Responsibilities

**Management** is responsible for preparing the Financial Statements and establishing a system of internal control

**Auditor** is responsible for auditing the Financial Statements
- Considering risks of material misstatement in the Financial Statements – Inherent risk
- Considering internal controls relevant to the Financial Statements – Control risk
- Performing tests of year-end balances based on risk assessment
- Evaluating adequacy of disclosures
Audit results:

Audit is complete and we reported:

- Unmodified opinion – Based on our audit, the financial statements are materially accurate.
- No significant deficiencies or material weaknesses in internal control identified.
Risk Assessment for the year audited

Our audit approach is risk-based. Risk assessment procedures include:

◦ Gaining understanding of the entity’s operating characteristics, practices, and procedures.
◦ Comparing to our knowledge of similar entities, industry and professional guidance.
◦ Reviewing procedures and controls surrounding significant transaction cycles and business processes
Risk Assessment for the year audited

Review of procedures and controls surrounding significant transaction cycles and business processes:

◦ Obtain SVCE’s description of controls and processes.
◦ Evaluate the **design** of controls within the context of the entities activities.
◦ Evaluate the **implementation** of controls by performing walk-throughs:
  ◦ Interview of staff
  ◦ Observe performance of control
  ◦ Inspect documentation demonstrating control performed
Audit Procedures

Significant areas of focus

- Revenue recognition
  - Accounts receivable and accrued revenue
    - Test a sample of customer billings
  - Relate total cash received during the year to revenue
  - Look at cash received subsequent to year-end and relate to A/R
  - Evaluate the adequacy of the allowance for uncollectible accounts
- Cut-off
  - Review revenue recognition through year-end and method for determining (accrued revenue)
Audit Procedures

◦ Cash – Existence
  ◦ Confirmations sent to bank

◦ Accrued cost of electricity
  ◦ Review subsequent bills from electricity providers and cash payments
  ◦ Perform analytical procedures

◦ Notes payable
  ◦ Confirmation regarding unused line of credit and letters of credit

◦ Financial Statement Note Disclosures – Complete and without bias
Required Board Communications

The significant accounting policies adopted by SVCE throughout the periods audited appeared appropriate and consistently applied.

No alternative treatments of accounting principles for material items in the financial statements were discussed with management.
Required Board Communications

Other Required Communications with those charged with governance:

We did not propose any adjustments to the financial statements.

We did not identify any significant or unusual transactions or applications of accounting principles where a lack of authoritative guidance exists.
Required Board Communications

There were no disagreements with management concerning the scope of our audits, the application of accounting principles, or the basis for management’s judgments on any significant matters.
Required Board Communications

We did not encounter any difficulties in dealing with management during the performance of our audit.
Questions?

Brett Bradford: 707-577-1582
Beth Samit:  707-577-1538
Strategic Planning & Work Plan

- **June 2019**: Board approved Strategic Plan
- **Sep. 2019**: Board sets CEO Priorities
- **Sep. 2019**: Board approved FY2020 Budget
- **Jan. 2020**: SVCE Staff Work Plan for 2020
- **2020**: Q3 2020 – Update Strategic Plan and FY2021 Priorities
- **Sep. 2020**: FY2021 Budget Adoption
- **Sep. 2020**: CEO Evaluation
Work Plan

- All staff
  - January 2020
  - Hakone Gardens, January 2020
- Aligned with Strategic Plan and CEO Priorities
- Adapted to Changing Conditions
Our Mission

Reduce dependence on fossil fuels by providing carbon free, affordable and reliable electricity and innovation programs for the SVCE community

Goals

Workplace
Customer and Community
Decarbonization and Grid Innovation Programs
Finance & Fiscal Responsibility
Regulatory & Legislative
Power Supply
Information Technology

PRESENTATION

Item 3
### CHANGING LANDSCAPE

<table>
<thead>
<tr>
<th>Current State</th>
<th>VS</th>
<th>Future State (Vision)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Building up cash reserves. Remain competitive with pricing</td>
<td>Achieve a credit rating in 2020 Manage PCIA volatility</td>
<td></td>
</tr>
<tr>
<td>02 Created Programs department and adopted Programs Roadmap</td>
<td>Bend the Carbon Curve</td>
<td></td>
</tr>
<tr>
<td>03 Procure Carbon-Free electricity</td>
<td>Balance procurement of RPS resources IRP Central buyer legislation</td>
<td></td>
</tr>
<tr>
<td>04 SB 237 passes. Direct Access cap is raised.</td>
<td>Implement customized rate options to compete with ESP’s Acceptance of lower margins</td>
<td></td>
</tr>
<tr>
<td>05 PG&amp;E Bankruptcy</td>
<td>SVCE will have to adapt to the final outcome</td>
<td></td>
</tr>
</tbody>
</table>
1. Negotiating and present to the Board additional renewable power contracts and increase RPS via long-term contracts to 40%

2. Develop/present for Board adoption a long-term integrated resource plan (IRP) to meet CPUC compliance obligations

3. Obtain SVCE’s first credit rating from Moody’s

4. Implement Direct Access C&I customer non-standard pricing arrangements with as many of our top 10 customers as is practical

5. Be actively engaged and include the Board in the legislative and regulatory arenas

6. Evaluate power purchase prepay for renewable power contracts and present options

7. Create a much shorter Strategic Plan document for Board adoption

8. Implement Decarbonization Programs as approved in plans, including the HPWH, Virtual Power Plant, Innovation OnRamp, Reach Code and Mobility programs throughout the year. Report progress every quarter

9. Invest in strengthening workplace culture and policies

10. Review and recommend best practices for (a) Board-CEO delegations of authority and Board meeting agenda management (b) Board Member orientation and succession, given several Board members will be leaving end of 2020
Clean Energy Procurement

Monica Padilla, Director of Power Resources
February 12, 2020
Meeting Goals

1. Meeting our Mission
2. Changes and Challenges
3. Clean Energy Goals & Procurement Efforts
4. PG&E Portfolio Allocations
5. Integrated Resource Plan Update
6. Upcoming Board Actions
SVCE Mission Statement

Reduce dependence on fossil fuels by

- providing carbon free,
- affordable and
- reliable electricity and
- innovative programs for the SVCE community
~90% of our Cost is Power Supply

$318.2 MM

Energy Revenues
267k Accounts, 3.9 million MWh’s and 4% discount to PG&E

$245.3 MM

Energy Costs
>90% hedged for fiscal year

$72.9 MM

Contribution Margin
Margin to fund operating expenses, programs, capital and debt service
Meet Our Mission – Adapt & Rebalance

• Opportunities to make a difference in lowering cost are rare, we should utilize the few tools available and not over-constrain ourselves

Buying Clean Electricity is 90% of our expenses & mostly mandatory

• Cost & Risk has increased

Programs are 2% of our expense & discretionary

• But, has the greatest potential to bend the carbon curve downward

Buying Clean Electricity is 90% of our expenses & mostly mandatory

• Cost & Risk has increased

Programs are 2% of our expense & discretionary

• But, has the greatest potential to bend the carbon curve downward
Since Formation SVCE Risk Landscape has Shifted

<table>
<thead>
<tr>
<th>Key Challenge or Risk</th>
<th>Past</th>
<th>Current/Future</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Clean Energy</td>
<td>Abundant, Cheap and Easy</td>
<td>Scarcity, Expensive and Challenging</td>
</tr>
<tr>
<td>2. Reliability</td>
<td>Plenty, obligations “simple” and short-term</td>
<td>Scarcity, obligations more complex and longer-term</td>
</tr>
<tr>
<td>3. SVCE Margins</td>
<td>Relatively low PCIA and enough margin to build reserves</td>
<td>Increasing &amp; volatile PCIA, decreased PG&amp;E generation rates $\Rightarrow$ decreasing SVCE margin</td>
</tr>
</tbody>
</table>
Since Formation SVCE Risk Landscape has Shifted

<table>
<thead>
<tr>
<th>Key Challenge or Risk</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Clean Energy</td>
<td>Increasing ~$20 M per year</td>
</tr>
<tr>
<td>2. Reliability</td>
<td>Increasing ~$10 M per year</td>
</tr>
<tr>
<td>3. SVCE Margins Available for Local Investment</td>
<td>PG&amp;E Gen Rate decreasing, PCIA increasing this year ~70% and expected to stay high for next 3 years before decreasing</td>
</tr>
</tbody>
</table>
Clean Energy Goals & Progress
Clean Energy Commitments

**GreenPrime**
- 100% RPS-eligible resources (100% Carbon free)
- 3% of Customers
- Premium adder $0.008/kWh

**GreenStart**
- Default Product
- 100% Carbon-free
- Mix of RPS-eligible & Large Hydroelectric
- 97% of Customers
- Discount to PG&E

---

### 2018 POWER CONTENT LABEL

Silicon Valley Clean Energy

www.svcleanenergy.org

<table>
<thead>
<tr>
<th>ENERGY RESOURCES</th>
<th>GreenPrime</th>
<th>GreenStart</th>
<th>2018 CA Power Mix**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible Renewable</td>
<td>100%</td>
<td>55%</td>
<td>31%</td>
</tr>
<tr>
<td>Biomass &amp; Biowaste</td>
<td>0%</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Geothermal</td>
<td>0%</td>
<td>8%</td>
<td>5%</td>
</tr>
<tr>
<td>Eligible Hydroelectric</td>
<td>0%</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>Solar</td>
<td>23%</td>
<td>12%</td>
<td>11%</td>
</tr>
<tr>
<td>Wind</td>
<td>77%</td>
<td>31%</td>
<td>11%</td>
</tr>
<tr>
<td>Coal</td>
<td>0%</td>
<td>0%</td>
<td>3%</td>
</tr>
<tr>
<td>Large Hydroelectric</td>
<td>0%</td>
<td>46%</td>
<td>11%</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>0%</td>
<td>0%</td>
<td>35%</td>
</tr>
<tr>
<td>Nuclear</td>
<td>0%</td>
<td>0%</td>
<td>9%</td>
</tr>
<tr>
<td>Other</td>
<td>0%</td>
<td>0%</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Unspecified sources of power*</td>
<td>0%</td>
<td>0%</td>
<td>11%</td>
</tr>
</tbody>
</table>

**TOTAL**

100%

---

* "Unspecified sources of power* means electricity from transactions that are not traceable to specific generation sources.

** Percentages are estimated annually by the California Energy Commission based on the electricity generated in California and net imports as reported to the Quarterly Fuel and Energy Report database and the Power Source Disclosure program.
Challenges in Meeting Clean Goals

Increased competition for Short-Term clean energy resources –

- *Renewable Portfolio Standard (RPS)*
- *Large hydroelectric – Pacific Northwest*

Risks associated with Long-term Resources

- *Development Delays*
- *Termination*
- *Execution*
- *Performance*
- *Stranded Assets*

Changes in Load

Legislative & Regulatory Risk
### Clean Energy Goals - Next 25 Years

**What’s Needed**

**SVCE: 100% Carbon-free**
- 50% RPS
- 50% Non-renewable CF

**California Mandate:**
- No Carbon-free requirement
- 40% RPS

**SVCE: 100% Carbon-free**
- 60% RPS
- 40% Non-renewable CF

**California Mandate:**
- No Carbon-free requirement
- 60% RPS

**SVCE: 100% Carbon-neutral**
- 60% RPS
- 40% Non-renewable CF

**California Mandate:**
- 100% Carbon-neutral
- 60% RPS

**How We Get There**

**Planning**
*Integrated Resource Plan every two years*

**Evaluate**

**Procuring**
*On-going RFP every 1-2 years*
Next 10 Years: Clean Energy Needs (2021-2030)

- Cumulative 10-year Load: 42,000 GWh

Commitments to date:
- RPS Power Purchase Agreements
- Short-term RPS
- Short-term Large Hydroelectric

Cumulative Clean NOP:
- 30,000 GWh
- 70% of Load

RPS NOP to Meet Policy:
- 11,320 GWh
Next 10 Years Open Position Assuming Board Approves PPA’s Under Negotiation

SVCE Clean Energy Net Open Position (NOP) - Expected Case 2021-2030

- **Clean Energy NOP**
- **RPS PPAs Under Negotiation**
- **Large Hydro Purchased**
- **Executed RPS PPAs**

**Long-term RPS PPAs Under Negotiation:**
- RE Slate Upsizing
- PG&E LT Purchase
- 1 New Geothermal
- 4 New Solar + Storage

**50% Cumulative Clean NOP**
- 2,500 GWh – Clean RPS
- 18,600 GWh – Clean Energy
PG&E Allocation Update
1. CPUC directed optimization of the IOU’s supply portfolios
   1. RPS (PCC1)
   2. Carbon-free (non-RPS): large hydro & nuclear
   3. Resource Adequacy
2. Board discussion December 2019
3. For 2020 - Staff Presented merits of taking allocations
   1. Large Hydroelectricity
   2. Short-term Nuclear
4. Alternatives to save money while achieving Clean Energy goals
5. Board Direction: *Only consider taking the nuclear allocation in 2020 if we can sell it to another LSE and not have it on our Power Content Label*
10-Year Clean Energy Needs If We Accept Allocations

SVCE Clean Energy Net Open Position (NOP) - with PG&E RPS and Large Hydro Allocations

- **PG&E RPS Allocation 10 years**
  - ~20% of Load (maximum)
  - Cumulative 8,142 GWh

- **Large Hydro Allocation 10 years**
  - ~12% of Load
  - Cumulative 4,870 GWh

**Cumulative Clean NOP:**
- 8,600 GWh
- 20% of Load

**Legend:**
- Red: Clean Energy NOP
- Blue: PG&E Large Hydro Allocation
- Yellow: PG&E RPS Allocation
- Green: RPS PPAs Under Negotiation
- Black: Large Hydro Purchased
- Gray: Executed RPS PPAs

**Cumulative GWH**
Integrated Resource Plan Update
Board Direction on Integrated Resource Plan (IRP)

10 Year IRP (2020 IRP) – 2021 to 2030

- RPS, GHG and Reliability to be balanced with Affordability

Board direction on IRP modeling in October 2019

- Exceed RPS mandate ~50% through 2026 and 60% by 2030
- Consider PG&E Allocations
- Shopping Cart of Resources – Portfolios
- Consider Geothermal & BioX Resources with a strategy to neutralize GHG

Plan for how to close Clean Energy Net Open Position!
IRP Modeling and Development Update

1. Developed Portfolios (shopping carts)

2. Consultant Support:
   - Portfolio Modeling: Ascend Analytics
   - Distributed Energy Resource & Load Scenarios: E3
   - Report & CPUC Conformance: MRW (report) consultants

3. Key Metrics Dashboard: Carbon-free, Reliability and Affordability

4. Illustrative Power Content Labels (2023, 2026 and 2024)
Alternative Portfolios to Meet Clean Energy Goals

1. Solar PV
2. Solar + Storage
3. Wind
4. Large Hydro

**Base Case**

5. Geothermal
6. Distributed Energy Resources

PG&E Allocations

| A | None |
| B | RPS Large Hydro RA |
| C | RPS Large Hydro RA Nuclear |

**1. Solar PV**

2. Solar + Storage
3. Wind
4. Large Hydro

**#2A**

5. Geothermal
6. Distributed Energy Resources

**#3A**

7. BioX

**#2B**

RA

**#3B**

Nuclear

**#2C**

RA

**#3C**
# Illustrative IRP Dashboard

## Ability to meet objective:

- doesn’t meet  
+ + meets  
+ + + best meets

<table>
<thead>
<tr>
<th>Portfolio</th>
<th>Grid Reliability</th>
<th>Carbon-free Annually</th>
<th>Carbon-free 24x7</th>
<th>Affordability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Case – solar, solar plus storage, wind and large hydro</td>
<td>-</td>
<td>++</td>
<td>-</td>
<td>++</td>
</tr>
<tr>
<td>Portfolio 2A – w/DER &amp; Geo</td>
<td>++</td>
<td>++</td>
<td>++</td>
<td>-</td>
</tr>
<tr>
<td>Portfolio #2 – w/DER, Geo and RPS, hydro and nuclear allocation</td>
<td>++</td>
<td>++</td>
<td>+++</td>
<td>+++</td>
</tr>
</tbody>
</table>

**IRP modeling will quantify how each portfolio meets objectives**
Next Steps
<table>
<thead>
<tr>
<th>Month</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 2020</td>
<td>1. Clean Energy &amp; IRP Update (informational)</td>
</tr>
<tr>
<td></td>
<td>2. Approve Resolution for RE Slate Amended &amp; Restated PPA</td>
</tr>
<tr>
<td></td>
<td>3. Approve Resolution for PG&amp;E Long-term RPS Confirmation</td>
</tr>
<tr>
<td>Mar 2020</td>
<td>4. Approve Second Geothermal Project PPA (tentative)</td>
</tr>
<tr>
<td>Apr 2020</td>
<td>6. IRP Results and Recommended DRAFT IRP</td>
</tr>
<tr>
<td></td>
<td>7. Approve 1 New Solar plus Storage PPA</td>
</tr>
<tr>
<td>May 2020</td>
<td>9. Approve 2020 IRP for CPUC Submittal</td>
</tr>
<tr>
<td></td>
<td>10. Approve 2 New Solar plus Storage PPAs</td>
</tr>
<tr>
<td>June 2020</td>
<td>11. Approve 1 New Solar plus Storage PPA</td>
</tr>
<tr>
<td></td>
<td>12. Approve Western Area Power Administration Large Hydro Contract</td>
</tr>
</tbody>
</table>
Questions?
Power Supply Procurement:
1. RE Slate Amended & Restated PPA
2. PG&E Long-term Bundled RPS

Monica Padilla, Director of Power Resources
February 12, 2020
1. Resolution No. 2020-04: Amended and Restated Power Purchase Agreement (PPA) with RE Slate 1, LLC., (“Slate”) to increase the solar and battery storage capacity and extend the PPA term. Power delivery term: June 30, 2021 to June 29, 2038, in an amount not to exceed $198,500,000.

- And -

1. Resolution No. 2020-05: If shortlisted, a Confirmation Agreement under Pacific Gas and Electric (PG&E) and SVCE Master Power Purchase and Sale Agreement for Long-term RPS Bundled Energy. Power delivery term: January 2021 to December 31, 2030, in an amount not to exceed $13,500,000.
1. RE Slate Amended & Restated PPA

1. October 2018: Board approved original RE Slate
2. CAISO & CPUC identify projected reliability shortfall in 2021
   • Natural gas plant shutdowns
   • Increased solar and wind development
   • New Net Peak – 4:00 to 9:00 pm
3. CPUC 2018 Mandated Procurement for Incremental Resource Adequacy of 3,300 MW
   • 50% by August 2021; 75% August 2022; 100% August 2023
   • SVCE’s share:
     • 2021 = 33.6 MW
     • 2022 = 50.4 MW
     • 2023 = 67.2 MW
1. February 15, 2020 – need to indicate if we intend to “self-procure”
2. Default to central buyer for minimum of ten years in term
## 1. RE Slate Original vs. Amended & Restated PPA

<table>
<thead>
<tr>
<th></th>
<th>Existing PPA</th>
<th>Amended &amp; Restated PPA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product</strong></td>
<td>Bucket 1 (PCC1) Renewable Energy, solar plus storage</td>
<td>Same</td>
</tr>
<tr>
<td><strong>Delivery Term</strong></td>
<td>15 years (June 30, 2021 through June 29, 2036)</td>
<td>17 years (June 30, 2021 through June 29, 2038)</td>
</tr>
<tr>
<td><strong>Contract Capacity</strong></td>
<td>Solar: 82.5 MW</td>
<td>Solar: 93 MW</td>
</tr>
<tr>
<td></td>
<td>Battery: 24.75 MW</td>
<td>Battery: 46.5 MW</td>
</tr>
<tr>
<td><strong>Expected Annual Energy</strong></td>
<td>230,000 average MWh</td>
<td>257,900 average MWh</td>
</tr>
<tr>
<td><strong>Percentage of Retail Load Served</strong></td>
<td>5.8%</td>
<td>6.4%</td>
</tr>
<tr>
<td><strong>Contract Price Structure</strong></td>
<td>Solar: Fixed price per MWh</td>
<td>Same price</td>
</tr>
<tr>
<td></td>
<td>Battery: Fixed price per kW-month</td>
<td></td>
</tr>
<tr>
<td><strong>Contract Not to Exceed Amount</strong></td>
<td>$141,000,000</td>
<td>$198,500,000</td>
</tr>
</tbody>
</table>
1. RE Slate Summary & Recommendation

1. Upsizing of battery will enable SVCE to “self procure” for its Incremental RA mandate
2. Provides greater project value overall
3. Helps meet RPS annual goals and long-term procurement mandates
4. Price is competitive

Request Board Approve:

Resolution No. 2020-04: Amended and Restated Power Purchase Agreement (PPA) with RE Slate 1, LLC., (“Slate”) to increase the solar and battery storage capacity and extend the PPA term. Power delivery term: June 30, 2021 to June 29, 2038, in an amount not to exceed $198,500,000.
2. PG&E Long-term Bundled Energy RPS – PCC1

1. November 2019: PG&E Issued Solicitation to sell RPS Resources:
   - PCC1 Existing Solar
   - Minimum ten years starting in early 2021
   - Fixed price or energy at index plus premium for RPS (i.e. REC $/MWh)

2. December 2019: SVCE submitted a non-binding offer to buy:
   - 125,000 MWh per year (3% of load)
   - Index plus REC
   - Ten years

3. Board authorized CEO to execute Confirmations with suppliers under Master Agreement, including PG&E:
   - Maximum 60 months in term
   - Subject to Energy Risk Management Policy
   - Greater than 60 months in term requires Board-approval

4. SVCE is waiting to hear if offer was accepted
2. PG&E Summary & Recommendation

1. Helps meet RPS annual goals and long-term procurement mandates
2. No development risk
3. Credit risk minimized through contract and price terms
4. Price is competitive relative to short-term purchases

Request Board Approve:

Resolution No. 2020-05: If shortlisted, a Confirmation Agreement under Pacific Gas and Electric (PG&E) and SVCE Master Power Purchase and Sale Agreement for Long-term RPS Bundled Energy. Power delivery term: January 2021 to December 31, 2030, in an amount not to exceed $13,500,000.
1. Resolution No. 2020-04: Amended and Restated Power Purchase Agreement (PPA) with RE Slate 1, LLC., (“Slate”) to increase the solar and battery storage capacity and extend the PPA term. Power delivery term: June 30, 2021 to June 29, 2038, in an amount not to exceed $198,500,000.

- And -

1. Resolution No. 2020-05: If shortlisted, a Confirmation Agreement under Pacific Gas and Electric (PG&E) and SVCE Master Power Purchase and Sale Agreement for Long-term RPS Bundled Energy. Power delivery term: January 2021 to December 31, 2030, in an amount not to exceed $13,500,000.
Decarb Strategy & Programs Roadmap Update

Board of Directors Meeting
Feb 12, 2020
Purpose

- SVCE Board approved the Decarb Roadmap in Dec 2018
- Roadmap includes policy for annual reporting & review, starting Jan 2020
- This is the first annual update
Outline

1. Highlights of 2019
2. Proposed Changes to Roadmap
Outline

1. Highlights of 2019
2. Proposed Changes to Roadmap
Staffing

Core programs staff* as of Dec 2018:

*Please note all SVCE staff make critical contributions to program design, development and implementation. These are specifically staff who devote at least half of their time on programs work.
Staffing

Core programs staff* with 2019 additions:

*Please note all SVCE staff make critical contributions to program design, development and implementation. These are specifically staff who devote at least half of their time on programs work.
Key Third Party Partners for Program Admin Support

- **Center for Sustainable Energy**
  - Innovation Onramp admin

- **SMUD**
  - General program admin across portfolio

- **ADM**
  - Evaluation, measurement & verification
Highlighted Progress

- All member agencies engaged in the **Reach Code Effort** for better building and EV charging codes – multiple in process of review & adoption
- **EV Infrastructure Joint Action Plan** adopted by Board
- $33M in CEC funding for **Peninsula-Silicon Valley CALeVIP Project** for EVSE incentives
- **FutureFit HPWH Program** launched & fully reserved – next steps underway
- **All-Electric Showcase Award** winners profiled in a website gallery and other education & outreach materials
- Two application rounds of **Innovation Onramp** complete, and multiple innovative pilot programs launched
- Sponsored SunCode Hackathon & Stanford Cleantech Challenge through **Innovation Partners** to catalyze innovation for decarbonization
- **Community Outreach Grants** launched for reaching hard-to-reach customers

...and more!
2018 GHG Update

Buildings and transportation emissions by subsector for 2015, 2017, and 2018
Outline

1. Highlights of 2019
2. Proposed Changes to Roadmap
Proposed Changes to Roadmap

Staff propose two changes:

1. Adjust comprehensive update frequency to “as needed” (anticipated every 2-3 years)
   - Continue annual GHG inventory updates
   - Continue monthly & quarterly programs reporting

2. Adopt two additional 2020 priorities
2020 Priorities

Power Supply

Energy Efficiency & Grid Integration

Built Environment

Mobility

Current Priorities Plus:
• Building Decarb Joint Action Plan
• Resilience for Community Facilities

Cross-Sector:
No Change to Current Priorities

No Change to Current Priorities

Legend:
New Program

Please see hand-out for summary of all adopted programs
New 2020 Programs

• **Building Decarb Joint Action Plan**: Create an SVCE-wide building decarb joint action plan with member agencies to prioritize future incentives, permitting, code & rates and other activities

• **Resilience at Community Facilities**: Work with member agencies to analyze and develop a program to support resilience at community facilities
Budget Allocation Adjustments

• Staff propose the following funding allocation adjustments

<table>
<thead>
<tr>
<th>Program</th>
<th>Budget Allocation Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Decarb Joint Action Plan</td>
<td>$150k (programs reserve)</td>
</tr>
<tr>
<td>Resilience at Community Facilities</td>
<td>$150k (programs reserve)</td>
</tr>
<tr>
<td>Streamlining Community-Wide Electrification</td>
<td>$200k (programs reserve)</td>
</tr>
<tr>
<td>Customer Resource Center</td>
<td>$500k for FY2021-FY2022</td>
</tr>
</tbody>
</table>

Legend:
Approved Program
New Program
Staff Proposal

Staff recommends the Board approve Resolution No.2020-06 to adopt the revised SVCE Decarb Strategy & Programs Roadmap, program briefs, and the following budget allocation adjustments.

<table>
<thead>
<tr>
<th>Program</th>
<th>Budget Allocation Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Decarb Joint Action Plan</td>
<td>$150k (programs reserve)</td>
</tr>
<tr>
<td>Resilience at Community Facilities</td>
<td>$150k (programs reserve)</td>
</tr>
<tr>
<td>Streamlining Community-Wide Electrification</td>
<td>$200k (programs reserve)</td>
</tr>
<tr>
<td>Customer Resource Center</td>
<td>$500k for FY2021-FY2022</td>
</tr>
</tbody>
</table>
Additional Relevant Activities

• Streamlining programs reporting
  o Development of web dashboard/portal (feedback from community)

• DER/electrification 2030 potential assessment
  o Informs GHG modeling and impact assessment for next programs update

• Program-level evaluation underway/planned
  o FutureFit HPWH
  o Reach Code Effort
  o EV Infrastructure programs
  o Community Outreach Grants
  o Customer Resource Center
  o UtilityAPI flagship pilot
2020 Priorities

Power Supply
- C&I Clean Power Offerings
- Integrated Resource Plan
- Retail Rates Assessment
- Local Renewables
- Reach Codes
- All-Electric Showcase Grants
- FutureFit HPWH
- Streamlining Community-wide Electrification
- Workforce Development
- Building Decarb Joint Action Plan
- Resilience for Community Facilities

Energy Efficiency & Grid Integration

Built Environment

Mobility

Cross-Sector:
- Innovation Partners
- Innovation Onramp
- Customer Resource Center
- Virtual Power Plant
- Non-SVCE Efficiency Programs
- Priority Zone DC Fast Charging
- Multi-Unit Residential Charging Technical Assistance
- Small and Medium Workplace Charging Rebates
- Fleet Electrification Grants
- Silicon Valley Transportation Electrification Clearinghouse
- Regional EV Leadership Recognition

Legend:
- Approved
- New

Please see hand-out for summary of all adopted programs