Agenda

Call to order / Roll call

Public Comment

Action to set the agenda and approve consent items
1. Chair Report (Discussion)
2. CEO Report (Discussion)
Personnel Update

• Interim CFO:
  – Tina Caratan starting on May 1

• Search firm hired for permanent CFO position

• New recruitments soon:
  – Energy Programs Associate
  – Distributed Energy Procurement
Data Management RFP Update

- PCE issued RFP for data management and call center services on March 30
- Proposals were due yesterday, April 25
- 5 proposals received and under review
- Recommendation to board in May or June
Public Relations Update

- Worked with Tom Mertens for Earth Day Op-ed and press releases
- Exploring additional PR assistance and expertise to help get the word out about PCE in op-ed’s and press releases, and with local programs launch
Ad Hoc Legislative Committee

- Ad hoc staff-directed committee to provide deeper dive into legislative bills / issues
- Doodle poll will go out to meet within next 2-3 weeks
- 5 board members expressed interest
- Others?
Other Highlights

- CalCCA directors at CAISO – April 16
  - Jeff Aalfs, Rick DeGolia, and Joe Wiedman attended for PCE

- Acterra’s “Party for the Planet” – April 19
  - Dave Pine honored for his leadership
  - Jeff Aalfs, Carole Groom, Rick DeGolia, Donna Colson, Pradeep Gupta, Catherine Carlton + PCE staff attended

- PCE Update to Redwood City Council – April 23

- Sustainable San Mateo Conference @ the New Living Expo – PCE presentation on April 28, 2-3 pm, San Mateo Event Center, Room 7
Upcoming Events

- SVLG’s Silicon Valley Energy and Sustainability Summit - May 24, Oracle
- Business of Local Energy Symposium - June 4-5, Sacramento
- Precourt Energy Institute’s Silicon Valley Energy Summit – June 21, Stanford
- CalCCA Annual Summit – Sept 5-6, Asilomar (Monterey, CA)
- PCE Board Retreat – Sept 22
- Groundbreaking for Wright Solar project – October 2018
3. Presentation by STEM Science Fair Award Recipients (Discussion)
STEM Fair Award Recipients

County of San Mateo Office of Education STEM Fair Awards Ceremony
The Power of Sun and Wind

By Charlotte Sullivan, 7th grade, Physics

Nesbit Middle School
STEM Fair Award Recipients

“I’ll Follow the Sun: Designing a Data-Driven Dual-Axis Solar Tracker”

By Georgia Hutchinson, 7th Grade, Engineering

Woodside Middle School
4. Citizens Advisory Committee Report (Discussion)
5. Marketing and Outreach Report (Discussion)
## Opt-outs by City

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<th>Eligible Accts</th>
<th>Total</th>
<th>TOTAL OPT OUT %</th>
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<tr>
<td>PORTOLA VALLEY INC</td>
<td>1,672</td>
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<td>SAN BRUNO INC</td>
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<td>MENLO PARK INC</td>
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<td><strong>Grand Total</strong></td>
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Continued Concern About Billing

# 1 Opt-Out Reason continues to be: Concerns about Rates and Billing

- Rate adjustments = slightly higher bills
- Not as high as would be with PG&E generation
- Climate credit in March/April
- Refer to video on “residential rates” page

Key message:

You have cleaner energy at lower rates.

Good time to send updates through City newsletters!
Look for language in this Friday’s board newsletter from Jan.
Outreach Small Grant Awardees

1. Acterra
2. El Concilio of San Mateo County
3. Pacifica Resource Center
4. Rebuilding Together Peninsula
5. Sound of Hope (Chinese language radio network)

Will be collaborating with PCE staff on outreach re: rates and billing over the next six months.
Outreach Volunteer Training

- Trained 19 new outreach volunteers
- 11 community college students
Earth Day Media


• **Press Release** - Highlighting GHG reductions from 15 ECO100 cities and the County

• **Other Media Mentions**: SF Examiner Op-Ed, Mass Transit Magazine

• **Earth Day Newsletter** – 200 readers received it from a friend
Outreach Update

- 30 community events in April
- Complete list of events in board packet
- Tabling + presentations = 2,400+ customers reached in person in 2018

Photo: Pacifica Resource Center
Welcome VISA to ECO100!

- VISA announced global commitment to 100% renewable energy earlier in 2018
- In Earth day blog post VISA announced they are powering their Foster City campus (4 buildings) with ECO100
- PCE coordinated with a press release
6. Regulatory and Legislative Report (Discussion)
Regulatory and Legislative Report
April 26, 2018

Joseph Wiedman
Director of Regulatory and Legislative Affairs
March/April Regulatory Activities

- CalCCA Opening Testimony in PCIA docket
March/April Regulatory Outreach

- AB 1110 Implementation Workshop
- CalCCA Tour/Meet & Greet at CAISO
- Ex Parte with Nidhi Thakar on virtual net metering
- Ex Parte with Joanna Gubman on Resource Adequacy
- Outreach to ORA, CRS, CAISO & AReM/DACC on Resource Adequacy
March/April Legislative Activities

- CalCCA activity:
  - AB 2208 (Aguiar-Curry) – Oppose
  - AB 2726 (Levine) – Oppose
  - SB 1912 (Rodriquez) – Issues addressed

- PCE activity:
  - AB 1745 (Ting) – Support
  - SB 1014 (Skinner) – Support
7. RFO Renewables Update (Discussion)
2018 Renewables & Storage Request for Offers
April 26, 2018
Agenda

- Request for Offers (RFO) Overview
- RFO Results Summary
- Shortlist
- Next Steps
RFO Overview

1. PRE-REGISTRATION

2. OFFERS DUE
   Offers were due Friday, February 9, 2018.

3. PCE EVALUATES OFFERS
   PCE evaluated each offer according to the Eligibility Criteria.

4. SHORT-LIST CANDIDATES NOTIFIED
   PCE notified short-listed candidates on Monday, April 9, 2018.

5. NEGOTIATIONS AND EXECUTION
   PCE will negotiate with short-listed candidates.
   Selected projects will go to PCE’s Board for approval.
Evaluation Criteria

**Quantitative**
- Market forward prices
- Value of capacity
- Value of energy storage, if applicable
- Proposed contract price

**Qualitative**
- Project viability
- Consistency with PCE mission & IRP
- Consistency with Workforce policy
- Consistency with Sustainable Vendor policy
- Environmental impacts and required mitigation
Summary of Offers

Solar Projects
- 113 Unique Offers\(^1\)
- Average Annual MWh: 287K = 7.6% of PCE load\(^2\)

Wind Projects
- 23 Unique Offers\(^3\)
- Average Annual MWh: 276K = 7.3% of PCE load\(^2\)

Other Projects
- 5 Unique Offers
- Average Annual MWh: 101K = 2.7% of PCE load\(^2\)

1. Includes solar + storage
2. PCE’s Annual load is 3,800,000 MWh
3. Includes wind + storage
*A darker color indicates a higher number of offers in that county.
*We combined biomass, geothermal and hydro because we didn’t receive enough offers in those categories for separate maps.
Shortlist Summary

Solar
- 4 Projects
- 450 MW
- New projects
- Long-term PPAs

Wind
- 2 Projects
- 180 MW
- New projects
- Long-term PPAs
Next Steps

• Shortlisted participants that were interested in moving forward with negotiations were required to submit the following items:
  – Shortlist deposit;
  – Additional, detailed information on their project; and
  – Redline of PCE’s pro forma power purchase agreement (PPA)

• We are evaluating this information against the criteria we listed earlier

• PCE is scheduling presentations by the short-listed participants to members of an ad hoc committee of the board

• PCE will begin negotiating the PPA terms with short-listed participants

• Projects that are selected for execution of a PPA will come to PCE’s board for review and approval
8. Local Energy Programs (Action)
1. Community Pilots
2. Electric Vehicle Program
3. Looking Ahead
Community Pilots

Engage Community
Community Pilots
• Board Direction
• Open proposals
• Pilots & Learning
• Rapid execution
• Projects max $75k
Community Pilots Schedule

**May**: Final program refinement

**June**: Announcement

**July/Aug**: Applications Due

**Aug**: Staff Screening and Scoring

**Sept**: Review by CAC and Selection by Board

**Q4**: Contracting and Projects Start
Electric Vehicle Program

Grow the baseline
Three Barriers to EV Adoption

- Awareness
- Upfront Cost
- Access to Charging

EV Context

- Transportation 57%
- GHGs
- CA EVs 400,000 EVs
- CA total 25M
- SM county EVs ~8,000
Low Awareness

- 5% considering EV
- Long sales cycle
- Direct experience & peer-to-peer
- Ride & drive campaign
Up-Front Cost

• Price premium
• Dealer competition for new vehicles
• Modest PCE incentive
Low-Income

- Do not buy new
- Charging access
- Used plug-in hybrids
- Larger rebates
- Link to used car financing
- More refinement
Access to Charging

- Half residents, no access (apts, condos)
- Complicated issues
- Technical assistance
- Groundwork
- City Codes
**EV Schedule**

**May:** Contracting Initial Partners, Outreach Plan, Refine Low-Income and Dealer Elements

**June:** Launch
- Ride & Drive events (Jun-Oct)
- Low-Income Incentive (12 mos)
- Apartment Technical Assistance (12 mos)

**July-Aug:**
- Dealer RFP and Selection

**Q4:** Dealer Promotion
Looking Ahead

Preparing for Impact
Looking Ahead: Conceptual

Phase 1 Electric Vehicles
- Ride & drive
- Dealer promo
- Low-income
- Apartment

Pilots
- Rapid projects
- Learning
- Identify partners and strategies
- Community engagement

Roadmapping
- Strategic assessment
- Align with County Energy Plan
- Scaled Initiatives

Phase 2 Program
- Scaled Initiatives
- EV – Expanded
- Pilot Expansion
- PV-Storage
- Building electrification

CY18 Q2/3 to CY2019
8.1 Authorize the first phase of the Local Energy Programs: Community Pilot Proposals, with funding up to $450,000 for fiscal year 2018-2019. (Action)
8.2 Authorize the first phase of an initial electric vehicle program for FY18-19 intended to increase EV awareness, drive sales, and begin to address key barriers with total funding of $745,000. (Action)
9. Update on Power Charge Indifference Adjustment (PCIA) (Discussion)
What is the PCIA?

Power Charge Indifference Adjustment (PCIA)

• A mechanism for recovering the costs of energy purchases committed to by an Investor Owned Utility (IOU) on behalf of its customers prior to those customers’ departure from IOU service

• Intended to recover “stranded costs” that are “unavoidable” and “attributable” to the departing load in order to preserve “ratepayer indifference”

• PCIA Amount = IOU’s Total Portfolio Costs – Market Value

• Market Value = Cost of Brown Power + Green Adder (renewable value, if any) + Capacity Adder
CPUC Proceeding Process

1) Scope

2) Fact

3) Law

4) Policy Decision
**PCIA Rulemaking (R.17-06-026)**

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<td>• April 23\textsuperscript{rd} – Rebuttal Testimony</td>
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<td></td>
<td>• May 7\textsuperscript{th}-11\textsuperscript{th} – Hearings</td>
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<td>• June 1\textsuperscript{st} – Opening Briefs</td>
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<tr>
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<td>• June 15\textsuperscript{th} – Reply Briefs</td>
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<td>• Late July – Proposed Decision</td>
</tr>
<tr>
<td></td>
<td>• Late August – Final Decision</td>
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CalCCA PCIA Testimony - Overview

- Securitization
- Buy-Down/Buy-Out
- Benchmark Reform
- Auction
1. **Securitization**
   - Focused on Utility Owned Generation (UOG)
   - ~$1.2 B in reduced costs for all PG&E ratepayers

2. **Buy-Down/Buy-Out**
   - Focused on existing, high-cost renewables contracts
   - Further reduces costs for all ratepayers
3. Benchmark Reform
   • Include values of:
     i. long-term capacity,
     ii. ancillary services, and
     iii. greenhouse gas-free resources
   • ~$500 M reduction in PG&E’s “above market” costs

4. Staggered Auction of IOU Portfolio
   • Requires IOUs to sell all renewable and GHG-free resources into a quarterly action where all Load-Serving Entities (LSEs) can bid
   • Clearing prices would establish the true market value to replace need for benchmarks
Potential Impact on PG&E’s Above Market Costs:

$2.2 Billion -> $512 Million
Before…

**Portfolio Allocation Mechanism (PAM)**
- Forcefully allocates *costs and attributes* of IOU portfolio resources onto CCAs
- Values these attributes in short-term manner only
- Violates CCA procurement autonomy
- Fails to minimize both above-market costs and IOUs’ total portfolio costs
Now…

**Green Allocation Mechanism (GAM)**
- Forcefully allocates *costs and attributes* of IOUs’ renewable and large hydro resources onto CCAs

**Portfolio Management Mechanism (PMM)**
- Forcefully allocates *costs* of gas/nuclear/energy storage IOU resources onto CCAs
- Values these attributes in short-term manner only
Next Steps

Remaining Schedule

- April 2\textsuperscript{nd} — Opening Testimony
- April 23\textsuperscript{rd} — Rebuttal Testimony
- **May 7\textsuperscript{th}-11\textsuperscript{th}** — Hearings

**Fact**

- June 1\textsuperscript{st} — Opening Briefs
- June 15\textsuperscript{th} — Reply Briefs

**Law**

- Late July — Proposed Decision
- Late August — Final Decision

**Policy**
10. EPA Green Power Partnership Update (Discussion)
11. Board Members’ Reports (Discussion)
Adjourn