Davis’ Decarbonization Path toward Carbon Neutrality

Lucas Frerichs
Councilmember
City of Davis
Community Emissions Snapshot

- Goal is to reduce city emissions 28% below 1990 levels by 2020.
- Ultimate goal is 80% reduction below 1990 levels, Carbon Neutral by 2050
Path to Goal – Transportation

• EV Readiness Award 2015 (CEC)
  - Planning for community wide EV charging network

• EV Charging Grant
  - Infrastructure to support electrification of trans. sector

• Mode Share
  - Current bike mode share 23%
  - Plan to increase to 33% by 2035?

• Beyond Platinum
  - One of 5 Platinum communities in 2017

• Unitrans/Yolobus/Capitol Corridor
  - Continued support of shared transit
Focus on Efficiency and Renewables

- Davis Future Renewable Energy and Efficiency (FREE)
  - Plan for City to Achieve Net Zero Energy
- PVUSA Expansion (Currently 20MW)
  - Meet 10% of community electricity needs
- Community Choice Energy (CCE)
Introducing..... Valley Clean Energy
WHAT IS VALLEY CLEAN ENERGY?
WHO LEADS VALLEY CLEAN ENERGY?

VCEA’s board is comprised of locally elected leaders from our member jurisdictions.
WHAT ARE THE BENEFITS?

COMPETITIVE RATES
LOCAL CONTROL
SUSTAINABILITY
CUSTOMER CHOICE
HOW DOES IT WORK?

SOURCE
VCE

DELIVERY
PG&E

CUSTOMER
YOU
WHEN WILL SERVICE BEGIN?

- **MARCH**: Advertising Campaign Launch, Website Phase 2 Launch
- **JUNE 1**: Program Launch

**2018**
- JAN
- FEB
- MAR
- APR
- MAY
- JUN
- JUL
- AUG
- SEP
- OCT
- NOV
- DEC

**MARCH**
- **APRIL**: Notice 1
- **MAY**: Notice 2
- **JUNE**: Notice 3
- **JULY**: Notice 4
No, Valley Clean Energy sources the energy and PG&E continues to:

• Deliver electricity
• Maintain power lines
• Respond to new service requests and emergencies.
• Send you one consolidated bill
HOW DOES ENROLLMENT WORK?

In accordance with CA law, Valley Clean Energy is an “opt-out” program. All residents and businesses in Woodland, Davis and unincorporated Yolo County will be automatically enrolled in June 2018. Customers can choose to opt-out and return to PG&E at anytime.
WHAT ARE MY ENERGY OPTIONS?

**Standard Energy Option:**
- All customers automatically enrolled June 2018
- Competitive rates (2018 target rate is 2% below PG&E’s)
- Cleaner energy than PG&E (2018 target is 45% renewable)

**100% Clean Energy Option:**
- Customers can choose to opt up for slightly higher rate
- 100% clean energy
- Greatest reduction in greenhouse gas emissions
You’ll be automatically enrolled - there’s no additional paperwork.

You can earn credit based on the amount of electricity you generate to offset some or all charges you would normally pay for electricity.

Your credits will roll over.

Valley Clean Energy will purchase your excess power through our net metering program.
AN INNOVATIVE NEW PATH FOR CCEs?

VCE is first CCE in California to partner with a Publicly Owned Utility

VCE maintains autonomy and decision-making authority
SMUD is a contractor to VCE to provide program launch and operational services

Provides bundled services

- Technical and energy services, data management and call center services, wholesale energy services, credit support services, and business operations support

Provides best value to Valley Clean Energy

- Mission alignment, cost competitiveness, and extensive energy sector experience
OTHER REASONS FOR PARTNERSHIP?

SMUD’s expertise alleviates concerns from CCE skeptics:

Not Enough Local Expertise?

Anti- Labor? Contracting Out?

Comfort/History with SMUD
CCEs HAVE BEEN SUCCESSFUL ELSEWHERE

There are numerous other successful programs in California that have:

• Saved customers money
• Significantly reduced carbon emissions
• Invested in new, local renewable projects
• Created new jobs
HOW ABOUT THE FUTURE?

Creation of local programs tailored to our communities

Opportunity to build local renewable energy projects

Potential expansion to adjacent communities