



Powering Sunnyvale with Carbon-Free Electricity

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CEO

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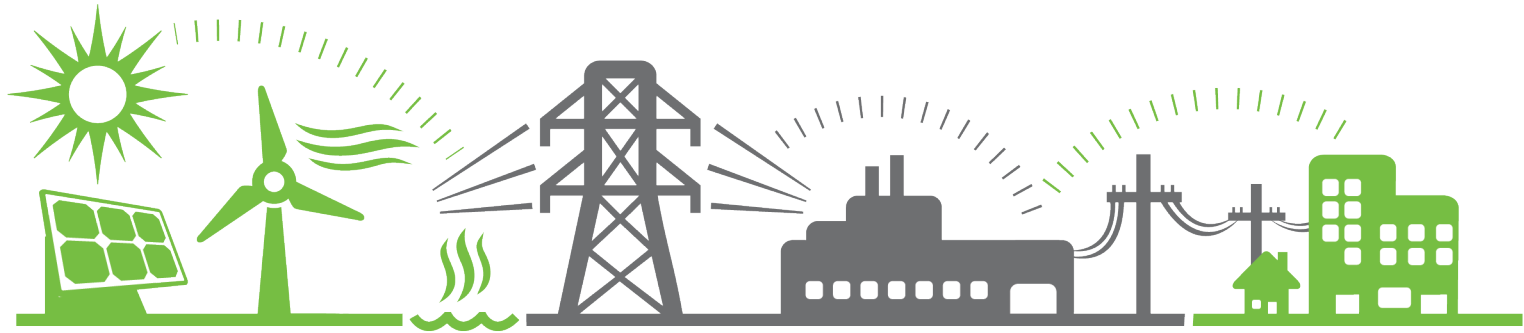


2017 – 2018 Achievements

- SVCE Overview
- Sunnyvale Customers
- GHG Savings
- Cost Savings
- SVCE Updates



How Does it Work?



SOURCE



SVCE

buying and
building energy
supplies

DELIVERY



PG&E

delivering energy,
repairing lines,
serving customers

CUSTOMER

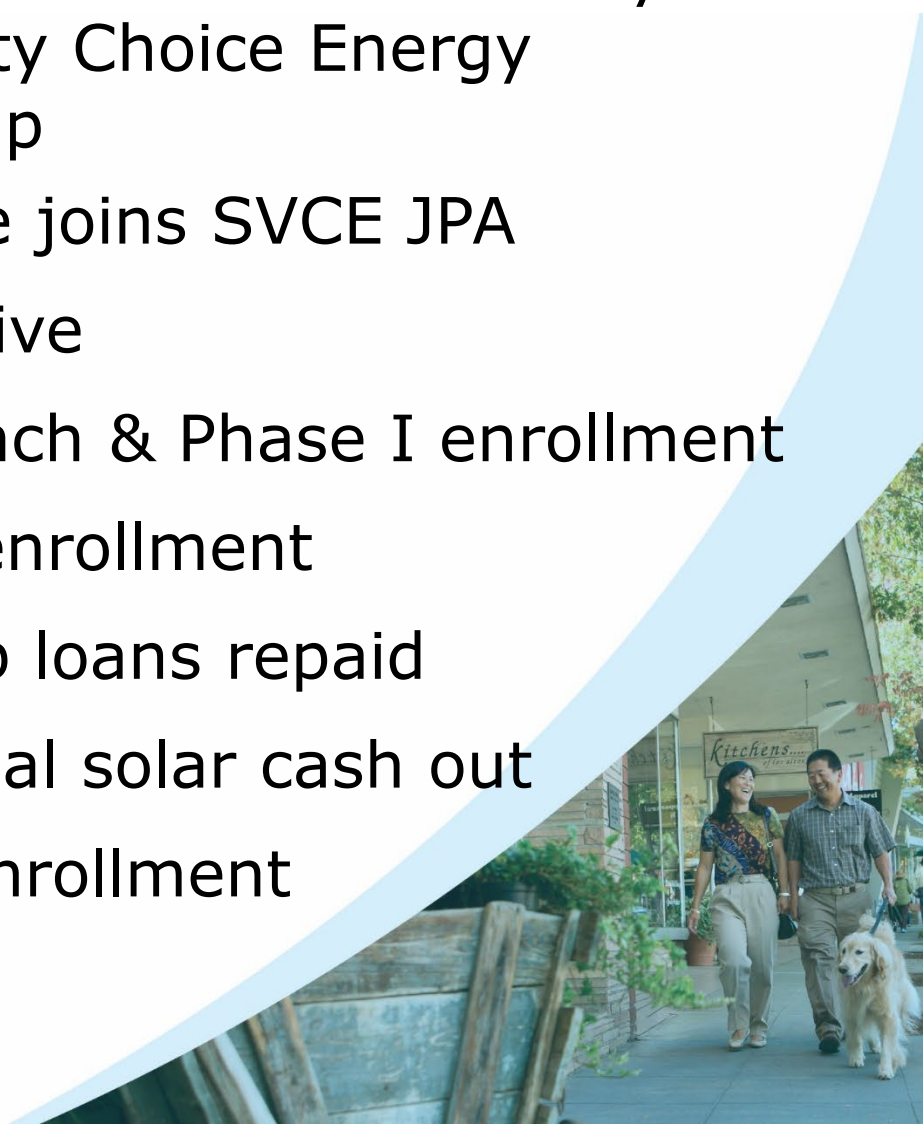


YOU

benefitting from
cleaner energy,
local control

Timeline

- | | |
|---------------|--------------------------------------------------------------------|
| February 2015 | Sunnyvale forms Silicon Valley Community Choice Energy Partnership |
| December 2015 | Sunnyvale joins SVCE JPA |
| March 2016 | JPA effective |
| April 2017 | SVCE launch & Phase I enrollment |
| July 2017 | Phase II enrollment |
| January 2018 | All startup loans repaid |
| April 2018 | First annual solar cash out |
| June 2018 | Milpitas enrollment |



Sunnyvale Customers

Customers

- **56,283** residential
- **4,511** commercial
- ~97% enrollment



GHG Savings



Community-wide carbon emission reductions for Sunnyvale

- Oct. 2017 – Sept. 2018: **347.7 million pounds**

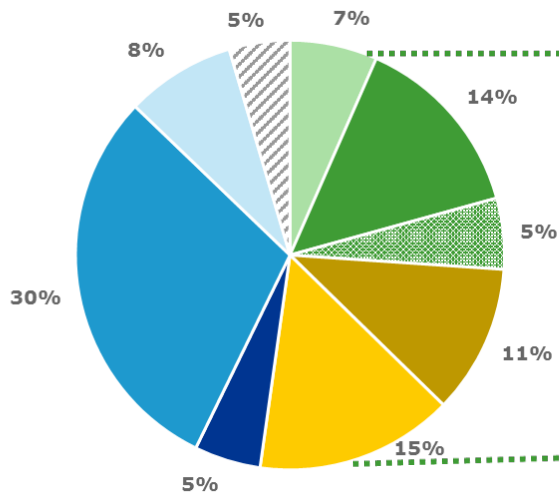


2018 SVCE territory-wide reductions for all 13 members

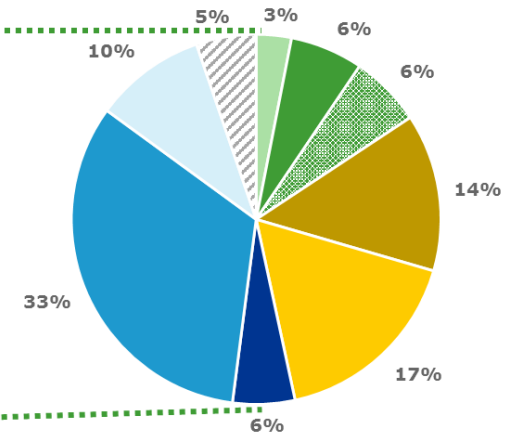
- 1.1 billion pounds

Total Emissions by Sector: 2015 vs. 2017

2015 Total Emissions by Subsector



2017 Total Emissions by Subsector



13% Overall Emissions Reduction

- Waste & Wastewater emissions not calculated. Estimated using typical per capita data for illustrative purposes.

Power Sources

- Annual Power Content Label for 2017 power mix mailed this fall.
- SVCE procured 55% renewable, and carbon free for GreenStart
- Met our 100% renewable commitment for GreenPrime
- Supplies come from sources throughout the Western Grid.

2017 POWER CONTENT LABEL			
Silicon Valley Clean Energy			
ENERGY RESOURCES	GreenPrime	GreenStart	2017 CA Power Mix**
Eligible Renewable	100%	55%	29%
Biomass & biowaste	0%	6%	2%
Geothermal	0%	1%	4%
Eligible hydroelectric	0%	2%	3%
Solar	20%	10%	10%
Wind	80%	36%	10%
Coal	0%	0%	4%
Large Hydroelectric	0%	45%	15%
Natural Gas	0%	0%	34%
Nuclear	0%	0%	9%
Other	0%	0%	<1%
Unspecified sources of power*	0%	0%	9%
TOTAL	100%	100%	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 sold to California consumers during the identified year.



Cost Savings

Sample Bill



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No: 1023456789-0
Statement Date: 03/07/2018
Due Date: 03/28/2018

Details of PG&E Electric Delivery Charges

01/30/2018 - 03/01/2018 (30 billing days)

Service For: 1234 MAIN STREET

Service Agreement ID: 5678910123

Rate Schedule: E1 X Residential Service

Service Information

Meter # 12345678910
Current Meter Reading 71,895
Prior Meter Reading 71,381
Total Usage 514.000000 kWh
Baseline Territory X
Heat Source Not Electric
Serial G
Rotating Outage Block 50

01/30/2018 - 03/01/2018

Your Tier Usage

1	2
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Tier 1 Allowance	327.00000 kWh (30 days x 10.9 kWh/day)	
Tier 1 Usage	327.00000 kWh @ \$0.21169	\$69.22
Tier 2 Usage	187.00000 kWh @ \$0.27993	\$52.35

Generation Credit	-55.41
Power Charge Indifference Adjustment	17.20
Franchise Fee Surcharge	0.28
Sunnyvale Utility Users Tax (2.000%)	1.67

Total PG&E Electric Delivery Charges \$85.31

2018 Vintaged Power Charge Indifference Adjustment



Residential Rate Comparison

GreenStart	Opt Out	GreenPrime
50% RENEWABLE ENERGY	33% RENEWABLE ENERGY	100% RENEWABLE ENERGY
\$56.09 PG&E ELECTRIC DELIVERY	\$56.09 PG&E ELECTRIC DELIVERY	\$56.09 PG&E ELECTRIC DELIVERY
\$30.29 ELECTRIC GENERATION	\$48.51 ELECTRIC GENERATION	\$33.89 ELECTRIC GENERATION
\$15.30 PG&E ADDED FEES	\$0 PG&E ADDED FEES	\$15.30 PG&E ADDED FEES
\$101.68 AVERAGE TOTAL COST	\$104.60 AVERAGE TOTAL COST	\$105.28 AVERAGE TOTAL COST

Sunnyvale Savings



Customer on-bill savings

- Oct. 2017 – Sept. 2018: **\$5,265,000**



2018 SVCE territory-wide savings for all customers

- \$20 million



Solar cash out

- \$23,507 paid to 97 Sunnyvale solar customers





What's Next

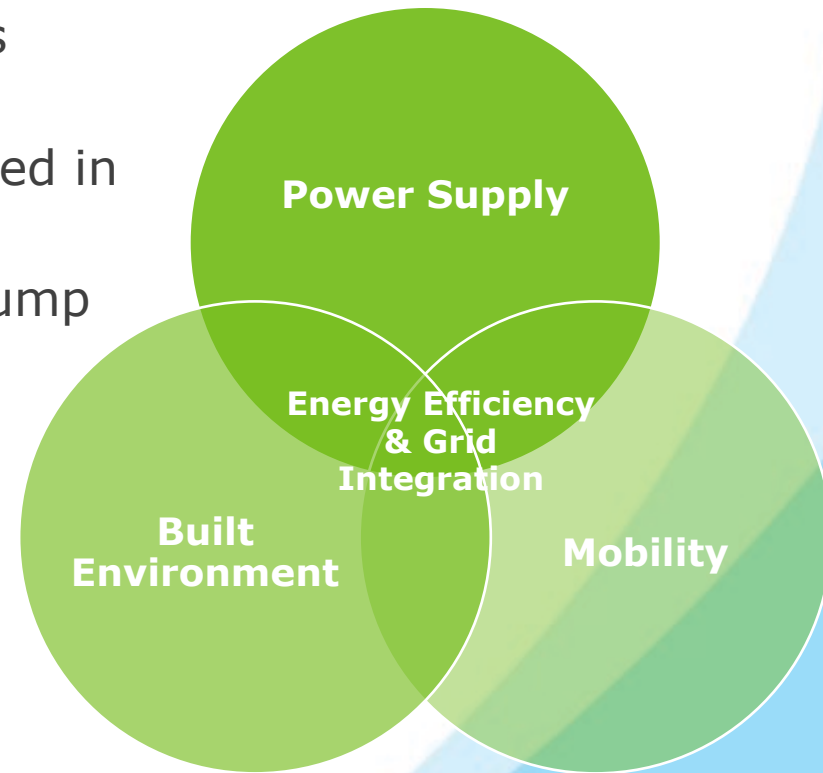
Recent News

- New Renewable Energy Projects:
 - 3 Long-term Power Purchase Agreements
 - 153 MW of Solar, combined with 47 MW of Storage in California
 - 200 MW wind farm in New Mexico



Customer Programs

- Customer Programs
 - Year-long stakeholder input process near completion
 - Programs roadmap to be released in December
 - Awarded BAAQMD grant for Heat Pump Water Heater program
- Strategy
 - Procure & maintain a sustainable, affordable and carbon-free power supply
 - Electrify everything
 - Promote energy efficiency and ensure successful grid integration



Contact Us



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