Community Choice:

The Most Powerful Way for Communities to Reduce Greenhouse Gas Emissions

Ann Hancock
Center for Climate Protection
Community Choice – More GHG↓ than all other measures combined

2020 GHG Reductions (MTCO2e/yr)

- Optimize Vehicular Traffic
- Sustainable Circulation and Improve Mobility - Land Use
- Reduce Off-Road Eq Emissions
- Reduce Landfilled Waste
- Decrease Water Consumption
- Sustainable Energy Portfolio
- Decrease Energy Consumption
- Open Space and Urban Forestry
What is Community Choice?

A Hybrid Approach

RENEWABLE ENERGY
Electric Generation

SAME SERVICE AS ALWAYS
Electric Delivery

YOUR COMMUNITY CHOICE
A Greener Electric Option

CC

IOU

Customer
Bill looks the same

Energy Statement

Account No: 1234567890-1
Statement Date: 10/01/2013
Due Date: 10/22/2013

Service For:
MARY SMITH
1234 STREET AVENUE
SAN RAFAEL, CA 94904

Questions about your bill?
24 hours per day, 7 days per week
Phone: 1-866-743-0335
www.pge.com/MyEnergy

Local Office Address
750 LINDARO STREET, STE 160
SAN RAFAEL, CA 94901

Your Account Summary

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount Due on Previous Statement</td>
<td>$62.85</td>
</tr>
<tr>
<td>Payments Received Since Last Statement</td>
<td>$62.85</td>
</tr>
<tr>
<td>Previous Unpaid Balance</td>
<td>$0.00</td>
</tr>
<tr>
<td>Current PG&amp;E Electric Delivery Charges</td>
<td>$39.32</td>
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<tr>
<td>MCE Electric Generation Charges</td>
<td>$42.61</td>
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<tr>
<td>Current Gas Charges</td>
<td>$27.20</td>
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<tr>
<td>Total Amount Due</td>
<td>$109.33</td>
</tr>
</tbody>
</table>

Total Amount Due: $109.33

Monthly Billing History

<table>
<thead>
<tr>
<th>Year</th>
<th>Electric</th>
<th>Gas</th>
</tr>
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<tbody>
<tr>
<td>2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td></td>
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</tbody>
</table>

Daily Usage Comparison

<table>
<thead>
<tr>
<th>Year</th>
<th>Last Period</th>
<th>Current Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td></td>
<td></td>
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</tbody>
</table>

Important Messages

Your charges on this page are separated into delivery charges from PG&E and generation or procurement charges from an energy provider other than PG&E. These two charges are for different services and are not duplicate charges.

**Electric power line safety** PG&E cares about your safety. Be aware of your surroundings and keep yourself, tools, equipment and antennas at least 10 feet away from overhead power lines. If you see an electric power line fall to the ground, keep yourself and others away, call 9-1-1 and then PG&E at 1-800-743-5000.
Why is CC so powerful?

• Greener power, lower GHGs
• Lower rates
• Local economic boost ($6M)
• More choice & competition
• Access to policy-makers (voice)
• Innovation platform
Community Choice – Innovation platform

We Are Here - CENTRALIZED GRID
- Linear
- Non-Renewable Dependant
- Closed Loop
- Inefficient

We Need To Be Here - SMART GRID
- Integrated
- Renewable
- Distributed
- Community Scaled
- Efficient
Collaboration & Universal Support

Government

Business

Community
Local leadership – a crucial piece
Community support also crucial
We did it - together!
Impact of Sonoma Clean Power on CA
Accelerating CC Activity Statewide

- Alameda
- Contra Costa
- Humboldt
- Los Angeles
- Monterey
- Napa
- San Benito
- San Luis Obispo

- San Mateo
- Santa Barbara
- Santa Clara
- Santa Cruz
- San Diego
- Solano
- Yolo
We have to stay vigilant.

NO2145.org

PROTECT COMMUNITY CLEAN ENERGY

STOP UTILITY MONOPOLIES

SUPPORT CHOICE
Comparing models
Example: City of Los Altos

<table>
<thead>
<tr>
<th>Attribute</th>
<th>DIY CCA</th>
<th>Public Partner CCA - ASAP</th>
<th>Public Partner CCA - Later</th>
<th>Commercial Partner CCA</th>
<th>PG&amp;E Green Option</th>
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</thead>
<tbody>
<tr>
<td>Potential GHG Reduction Impact</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Speed of Implementation</td>
<td>○</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Potential for Customer Cost Savings</td>
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<td>○</td>
<td>●</td>
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<tr>
<td>Cost Efficiency to Implement</td>
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<td>○</td>
<td>●</td>
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</tr>
<tr>
<td>Degree of City Influence/Control</td>
<td>●</td>
<td>○</td>
<td>○</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Market Precedent/Experience/Predictability</td>
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<td>○</td>
<td>○</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Potential for Other Customer Benefits/Programs</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>○</td>
</tr>
</tbody>
</table>

Higher ● Intermediate ○ Lower ○
Building Blocks of Climate Response

1. Reducing greenhouse gas emissions
2. Protecting clean air and water supply: forests, rivers, groundwater
3. Protecting natural systems
4. Protecting human systems
5. Safety measures, disaster prevention
6. Emergency services

Addressing causes

Addressing symptoms

Short-term effectiveness

Long-term effectiveness

Concept: Sara Moore.
Who are we?
How do we see ourselves?
You are the one.
Center for Climate Protection

www.climateprotection.org

(707) 525-1665 x112

Ann Hancock, ann@climateprotection.org

Big vision, bold action