CITY OF
HAYWARD
HEART OF THE BAY

CITY COUNCIL SUSTAINABILITY COMMITTEE MEETING

Hayward City Hall – Conference Room 2A
777 B Street, Hayward, CA 94541-5007

Mission Statement:
Make Hayward a more sustainable community in order to ameliorate negative impacts of climate change, conserve natural resources and promote a clean environment.

May 6, 2009
4:30 p.m. – 6:00 p.m.

AGENDA

I. Call to Order

II. Roll Call

III. Public Comments: *(Note: For matters not otherwise listed on the agenda. The Committee welcomes public comments under this section, but is prohibited by State Law from discussing items not listed on the agenda. Items brought up under this section will be taken under consideration and referred to staff for follow-up as appropriate. Speakers will be limited to 5 minutes each; organizations represented by more than one speaker are limited to 5 minutes per organization. All public comments are limited to this time period on the Agenda.)*

IV. Approval of Minutes of April 1, 2009

V. Community Choice Aggregation, Part 2
- Michael Campbell, Director of the Community Choice Aggregation, San Francisco Public Utilities Commission
  Overview, Benefits and Risks of Community Choice Aggregation

- David Rubin, Director of Service Analysis, Pacific Gas & Electric

VI. General Announcements and Information Items from Staff

VII. Committee Referrals and Announcements

VIII. Next Meeting: Wednesday, June 3, 2009
Update on Energy Efficiency and Conservation Block Grant Funds

IX. Adjournment

Assistance will be provided to those requiring accommodations for disabilities in compliance with the Americans with Disabilities Act of 1990. Please request the accommodation at least 48 hours in advance of the meeting by contacting Katy Ramirez at 510/583-4234 or by calling the TDD line for those with speech and hearing disabilities at 510/247-3340.

CITY COUNCIL SUSTAINABILITY COMMITTEE MEETING
Hayward City Hall – Conference Room 2A
777 B Street, Hayward, CA 94541-5007

April 1, 2009
4:30 p.m. – 6:00 p.m.

MEETING MINUTES

I. Call to Order – Meeting called to order at 4:33 p.m.

II. Roll Call

Members:

- Michael Sweeney, Mayor
- Olden Henson, Council Member
- Bill Quirk, Council Member (via telephone from 7253 Nohili Street, Honolulu, HI)
- Julie McKillop, Planning Commissioner (Absent)
- Al Mendall, Planning Commissioner
- Marvin Peixoto, Planning Commissioner
- Doug Grandt, KHCG Task Force

Staff:

- Council Member Halliday
- Council Member Zermeno
- Fran David, Assistant City Manager
- David Rizk, Director of Development Services
- Robert Bauman, Director of Public Works
- Richard Patenaude, Planning Manager
- Erik Pearson, Senior Planner
- Arlynne J. Camire, Associate Planner
- Katy Ramirez, Development Services Dept. Adminstrative Secretary

Others:

- Paul Fenn, Founder and CEO, Local Power, Inc.
- Andy Wilson, CAP
- Ernest Pacheco, CAP
- Suzanne Barba, League of Women Voters of the East Bay
- Audrey LePell, Citizens Against Pollution
- Robert Kalls, Hayward Community Action Network
- Rob Simpson

III. Public Comments

Andy Wilson thanked the Committee for scheduling a discussion on Community Choice Aggregation (CCA), and also thanked Ernie Pacheco for encouraging the development of a CCA.

IV. Approval of Minutes of March 4, 2009 - Minutes approved.

V. Community Choice Aggregation
Arlynne J. Camire, Associate Planner
Paul Fenn, Founder and CEO, Local Power, Inc.

Associate Planner Camire gave a brief overview of Community Choice Aggregation (CCA), how it may be an option to help meet the greenhouse gas emissions reduction targets of the Climate Action Plan, and introduced Paul Fenn, Founder and CEO, of Local Power, Inc.

Mr. Fenn provided the Committee with background information about his company and then provided descriptions of the various CCA projects that he worked on in different cities and states. He followed-up with a PowerPoint presentation explaining the CCA law, process, and locations that have adopted CCA to meet their electricity needs.

There were several questions from the Committee during and after the presentation that were addressed by Mr. Fenn and staff.

Mayor Sweeney thanked Mr. Fenn for attending the meeting and for his thorough PowerPoint presentation.

VI. General Announcements and Information Items from Staff:

Development Services Director Rizk announced that enclosed with the agenda packet was a Newsweek article about the need to develop new technologies in order to successfully reduce greenhouse gas emissions to targeted levels.

VII. Committee Referrals and Announcements – None.

Committee Member Grandt announced that he had been in communication with Congressman Pete Stark regarding "Save our Climate" activities and asked if anyone is interested in meeting with Congressman Stark to discuss his proposed Save our Climate Act. Mayor Sweeney asked for printed information to be distributed to the Committee and a meeting date. Committee Member Grandt said he will gather all the information to provide the Committee at a later date.

Council Member Henson suggested that Environmentally Preferable Purchasing Policies be added to a future agenda. Mayor Sweeney noted that the CSC schedule is full and asked staff to review the current topics and bring a list to the next meeting.

The Mayor reminded the Committee that Community Choice Aggregation, Part 2, is scheduled for the next meeting in May.

IV. Next Meeting: Wednesday, May 6, 2009
Community Choice Aggregation, Part 2

VIII. Adjournment – Meeting adjourned at 5:56 p.m.

Power Enterprise

Community Choice Aggregation

Background Info
May 6, 2009

Mike Campbell
CCA Director
San Francisco Public Utilities Commission

What is CCA

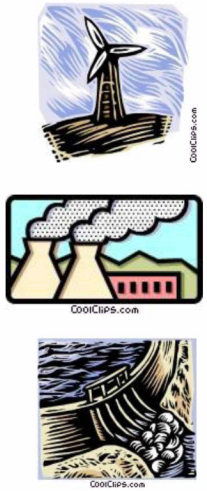
- CCA is a program through which local governments may:
  - Procure electric power and
  - Sell that power and energy services like conservation and demand response to businesses and residents within their jurisdictions.
- PG&E will continue to provide power distribution and billing services.
- CCA customers will be mutual customers of the City and PG&E.

CCA Established by State Law

- Authorized by AB 117 (Migden, Sept. 2002); key provisions:
  - Provides opportunity for municipalities to provide electricity direct to customers
  - CCA must offer service to all residential customers
  - Local utility must cooperate and provide transmission, generation, and billing services
  - CCA to file Implementation Plan with CPUC
  - CPUC certifies Plan
  - Customers may elect to not participate (opt-out)

CCA Model Divides Responsibilities

Bundled Service – Customer Relies on PG&E for all Services



Generation

CCA provides power to customers

Transmission

Distribution

End use customer

PG&E would provide energy delivery and billing services for CCA customers

CCA Role as a Power Provider

- Procure energy – build or buy generation
- Determine resource portfolio mix
- Set generation rates
- Provide customer information
- Provide power related services like energy efficiency, demand response, and facilitation of distributed generation
- Provide competitive alternatives for non-CCA customers
- Conduct on-going Opt-Out processing

Line Item On Utility Bill

ELECTRIC ACCOUNT DETAIL

Service ID # : [redacted]
Rate Schedule : E1 TB Residential Service
Billing Days : 29 days

Serial	Rotating Outage Blk	Meter #	Prior Meter Read	Current Meter Read	Difference	Meter Constant	Usage
M	10P	9G9841	61,360	62,146	786	1	786 Kwh

Charges

01/13/2005 - 02/10/2005

Electric Charges				$124.94
Baseline Quantity	295.80000 Kwh			
Baseline Usage	295.80000 Kwh	@	$0.11430	
101-130% of Baseline	88.74000 Kwh	@	$0.12989	
131-200% of Baseline	207.06000 Kwh	@	$0.17821	
201-300% of Baseline	194.40000 Kwh	@	$0.21964	
Charges				$124.94

The net charges shown above include the following component(s). Please see definitions on Page 2 of the bill.

Generation	$49.98
Transmission	10.67
Distribution	40.14
Public Purpose Programs	4.56
Nuclear Decommissioning	0.27
DWR Bond Charge	3.88
Ongoing CTC	4.50
Energy Cost Recovery Amount	4.89

Taxes

Energy Commission Tax $0.18

TOTAL CHARGES $125.12

CCA's Portion of Bill

Cost Responsibility Surcharge (CRS) would be a line item included here

Cost of Energy From Various Sources

Technology	Generation Cost (cents per kwh)
Conventional Combined Cycle	8.8 cents/kwh
Conventional Simple Cycle	31.3
Hydroelectric – in conduit	4.8
Nuclear	7.3
Geothermal	6.7
Ocean – Wave	61.2
Solar – Large Central Station Thermal	11.6 to 31.2
Solar – Photovoltaic	25
Wind (optimal – high wind speeds)	6.1

Listed costs for intermittent sources such as wind and solar do not include the costs of the additional resources needed to "fill in" when intermittent unit not producing

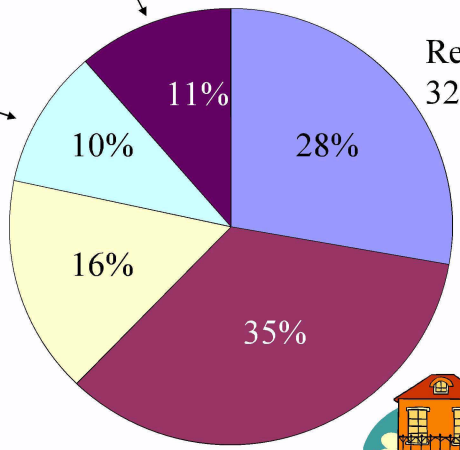
Source: California Energy Commission June 2007 Report: Comparative Costs of California Central Station Electricity Generation Technologies. Costs include all available subsidies, and are based on municipal financing costs.

San Francisco Energy Demand by Sector

Municipal

Direct Access
600 Accounts

Residential
326,000 Accounts



Large Commercial
Industrial
800 Accounts

Commercial
34,000
Accounts

OUTSIDE SAN FRANCISCO

SF International Airport

(Served by SFPUC)
300 GWh/year

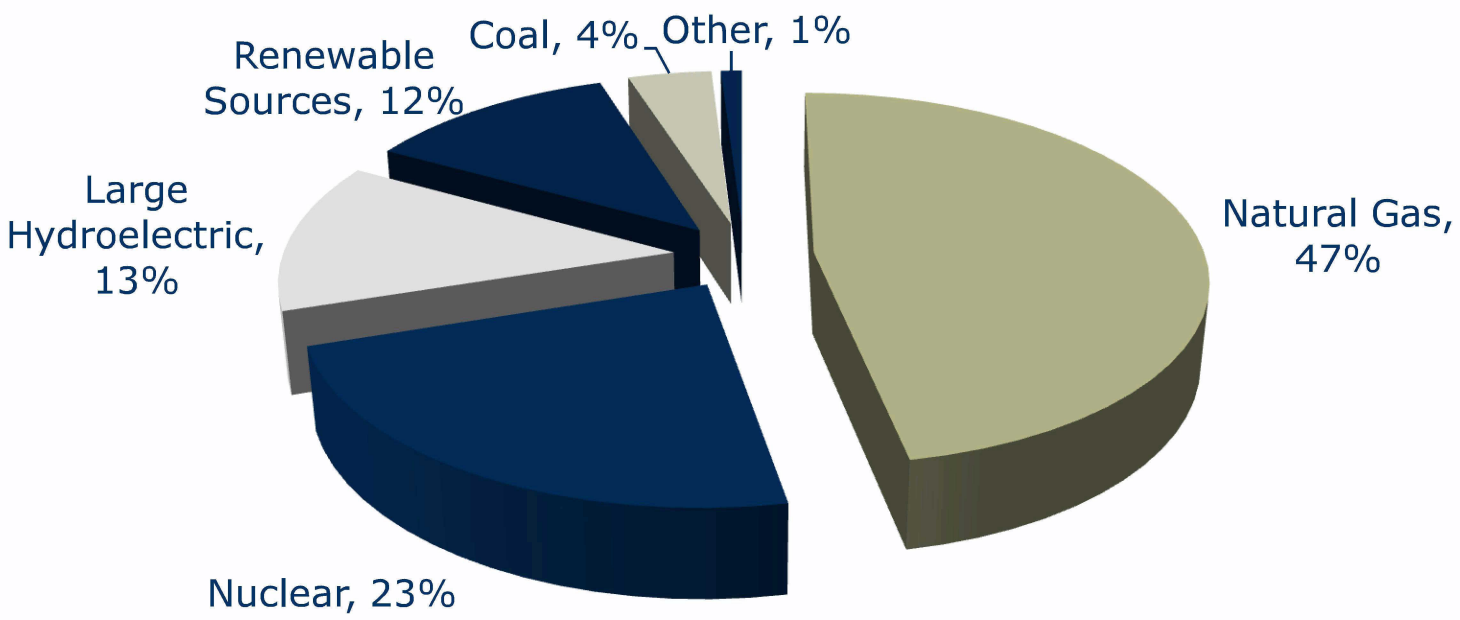
Total Annual Usage: 5,400,000 MWH

Typical Hetchy Annual Usable Output: 1,423,000 MWH

Source: SFPUC -- Power Enterprise Long Term Plan

Generation output based on 2007-2008 operating period

PG&E's Current Energy Portfolio Mix



Source: http://www.pgecorp.com/corp_responsibility/reports/2007/environment/energy-future.html