



Assembly Natural Resources Committee
Nancy Skinner, Chair

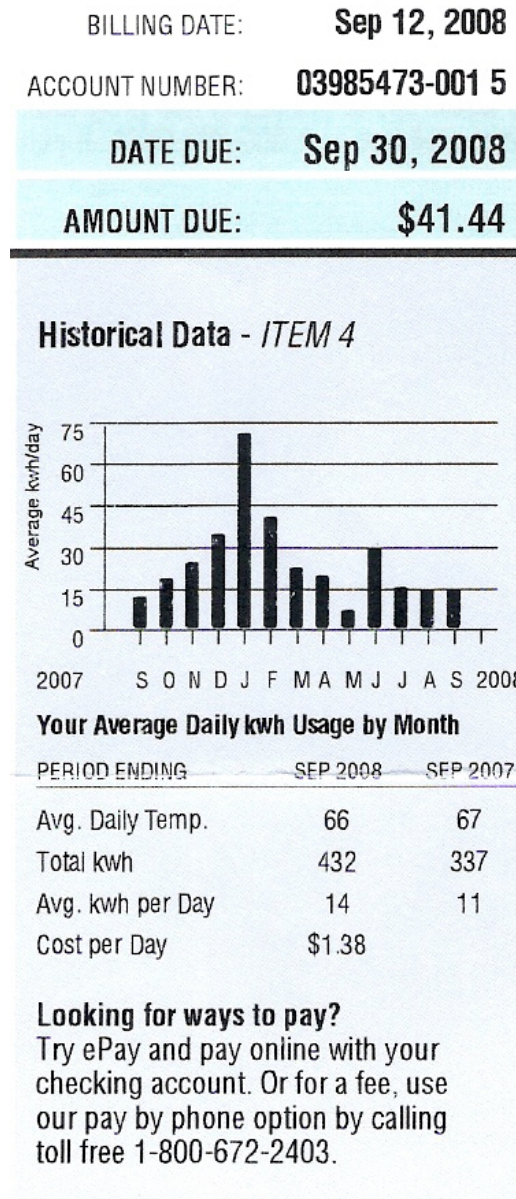
1:30 p.m. – Room 447 State Capitol

Informational Hearing
AB 32 – California Global
Warming Solutions Act of 2006



'Henry—It's the thermostat police!'

We
need to
know
more
about
what
we're
using.



If we
can get
this kind
of
information,
we can
figure
things
out !

Even Better....



- “Smart Meters”
- Projected to cut use 5%
- Interactive – controlling max loads
- Google / Lucid “dashboards”
- Opens the door for more attractive rates
- By the way, what rate do I have now ?
- Can I save \$\$ NOW with a different rate ?
- Will my utility help ?

Google.....

- **ENERGY STAR for Small Business**

This leads to the answers about where to save energy in your business and what to do once you know that.

- **Characterization and Analysis of Small Business Energy Costs**

How to compare your business against other kinds of operations and how much does a business like yours use on average ?

- **California Incentives for Renewables and Efficiency**

Is there any financial help available? Does my utility offer rebates or other incentives to use less energy ? (Wait a minute...they sell the stuff...why would they want to do that ??)

Small Business to America's Rescue?



Small Business Plug-in Hybrid Diesel Work Truck
2010 ?

Can these vehicles help with Demand Response?



On Bill Financing (OBF), is a utility based method of providing seamless 0% financing through the monthly power bill for small business energy efficiency improvements.

- Project costs financed by Utility Partner
- Usually 0% financing to Customer
- Allows the purchase of energy efficiency to be the same as the purchase of energy – verified savings is crucial!

OBF” provides more small businesses with the opportunity to address energy costs as a "controllable", thus helping the bottom line.



On Bill Financing arrives in CA!

Beginning with 2009-11 cycle, all IOUs will have been ordered by the CPUC to develop On Bill Financing for **small businesses**.

Sempra (SDG&E & SoCalGas) will continue their non-residential OBF (also includes multi-family) 5 years max loan term - max \$100K loan per meter – 0% interest – OBF used as an “overlay tool” on all incentivized applications including Local Govt and Third Party programs.

- SCE will modify it's current successful OBF Pilot Program to generally follow the Sempra model in 2009 – limited to 100kW max small business customers
- PG&E is still in planning process for Non-residential OBF
- As of October 5th, 2008, over \$2M in OBF loans have yet been approved in by SDG&E/SoCalGas. SCE has reached 3M kWh saved goal for Pilot.

Side by Side Comparison



Default Loan Term

Project Cost:	Material costs	\$9,204.20
	Labor costs	\$6,571.03
	Project Subtotal	\$15,775.23
	Tax (CT 6%)	\$946.51
	Total Cost	\$16,721.74
	Approved UI Incentive	\$7,886.52
	Net Total Cost	\$8,835.22
	Monthly Payment (16)	\$552.20
	-> Annual Energy Savings	42,301 kWh
Estimated: ->	Annual Dollar Savings	\$6,927 = \$577.25/monthly
(may include adjustments) ->	Pay Back	1.2 years

Cash Positive \$25.05

Loan Extension – 36 months

Project Cost:	Material costs	\$9,204.20
	Labor costs	\$6,571.03
	Project Subtotal	\$15,775.23
	Tax (CT 6%)	\$946.51
	Total Cost	\$16,721.74
	Approved UI Incentive	\$7,886.52
	Net Total Cost	\$8,835.22
	Monthly Payment (36)	\$245.42

-> Annual Energy Savings 42,301 kWh

Estimated: -> Annual Dollar Savings **\$6,927 = \$577.25/monthly**

(may include
adjustments) ->

Pay Back 1.2 years

Cash Positive \$331.83

GOING GREEN

AB 811 offers agencies route to finance energy upgrades

Monday, October 6, 2008

BY [JEFF QUACKENBUSH](#) STAFF REPORTER

SANTA ROSA – Sonoma County governments have aggressive goals and strategies for curbing gases blamed for climate change, and they now have a new tool for enticing owners of existing commercial and residential structures into reducing emissions via energy-efficient upgrades.

Assembly Bill 811, signed in July, gives cities and counties authority to create benefit assessment districts in which property owners can decide to “finance” energy upgrades. Owners would enter a “loan” contract with a local government and pay it back via an item on their property-tax bills that would be passed from one owner to the next over 10 or 20 years. It would be senior to any other debt.

Sonoma County is one of the first governments statewide to pursue such districts.



- Small Business California
- Statewide non-partisan small business advocacy organization
- www.smallbusinesscalifornia.org
- Core Issue Areas:
 - [Healthcare](#) [Workers compensation](#) [Workforce development](#) [Government regulation](#) [Energy](#) [Access to capital](#)
- Hank Ryan, Executive Director, EPA Grant Program Manager
Cell: 510-459-9683 Email: hryan@smallbusinesscalifornia.org
- SB-Cal will be working throughout California through mid 2009 using EPA grant funds to foster successful OBF program development and customer and food service distributor investments in energy efficient food service equipment.
- Mr. Ryan also serves as an Intervener in the CPUC Energy Efficiency Rulemaking Proceedings representing California small businesses on behalf of the Small Business California