



Pacific Gas and Electric
www.pge.com/benchmarking

Leveraging Energy Performance

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PG&E's View . . .

- Benchmarking is a great idea that we will need to support
- Therefore, how do we get the most out of it
 - For our customers
 - To assist in selling our programs
 - And do so efficiently and at low cost



Policy Drivers for E* BMK in CA

- Governor's Office and S-20-04
- California Energy Commission
- California Public Utilities Commission
- California Legislature and AB 1103
- *What will your state do?*

Creating An
ENERGY STAR
Portfolio Manager
Account



& Signing Up For
PG&E's Automated
Benchmarking
Service



BMK: Integral to Customer and Segment Planning

- BMK in some form is part of most customer segments
- BMK: an entry point into our transactional (rebate and audit) programs
- Required for most audits
- Required for RCx
- Required for “More Than a Million”
- Used in “contests” in SF (and likely elsewhere)



Process Overview

- Customer/owner “enters” the building on the E* site
- Customer signs up for ABS
- Customer “selects” PG&E as the utility
- Customer signs release (electronic)
- Monthly energy and cost data goes in (back to 2003 and forward in perpetuity)



PG&E's Automated Benchmarking Service

What It Is

- No need to find and enter energy meter info manually
- We provide it to your Portfolio Manager account directly

How It Works

- Sign up for Automated Benchmarking Services in Portfolio Manager
- Meter data since 2003 uploaded, updated monthly



Step 16: Data Release Authorization

Terms of Use

Authorization for Pacific Gas & Electric to transfer data to your account

Terms of Use

In the U.S. Environmental Protection Agency's (EPA) national energy performance benchmarking program, an element of the ENERGY STAR program. I understand, on behalf of Customer, that the EPA requires information about Customer's facility (which Customer will provide directly to the EPA), and also Customer's monthly energy usage data and other data as may be required by Portfolio Manager in order to calculate Customer's benchmarking score and other energy information that will

Agreement* I agree to my provider's Terms of Use

Important Privacy Information

By authorizing this energy service provider, you are agreeing to provide them with access to edit and view data within your account. This energy service provider will only be able to access the buildings that they add directly into your account or the buildings and/or meters that you have explicitly assigned to them. You can de-authorize an energy service provider at any time by adjusting the automated benchmarking settings in your Portfolio Manager account.

<< BACK

CONTINUE >>

→ Check “I agree” box and continue

Data Release Authorization Access Level

What level of access do you want to give your Energy Service Provider (ESP), Pacific Gas & Electric?

- Level of Access *
- Add new buildings in my portfolio
 - Add new buildings and update existing buildings in my portfolio

<< BACK

CONTINUE >>

→ Select “Add new buildings and update existing buildings in my portfolio”

Step 20: After ABS uploads meter data

Edit Energy Use: [Edit Previous 2 Entries](#)

[Add Meter Entries](#)

| Remove Entry | Start Date (MM/DD/YYYY) | End Date (MM/DD/YYYY) | Energy Use (therms) | Cost - US Dollars (optional) | Last Updated |
|--------------------------|-------------------------|-----------------------|---------------------|------------------------------|----------------------------------|
| <input type="checkbox"/> | 12/30/2008 | 01/30/2009 | 23.00 | \$ 32.00 | 02/16/2009 by PACIFICGASELECTRIC |

→ Billing data available from 2003, updated monthly

| Facility Name | Current Rating (1-100) | Change from Baseline: Adjusted Energy Use (%) | Total Floor Space (Sq. Ft.) | Energy Use Alerts | Current Energy Period Ending Date |
|---------------------------------|------------------------|---|-----------------------------|---------------------|-----------------------------------|
| Sample Facility | 56 | N/A | 15,000 | Data > 120 days old | 07/31/2008 |

[Download](#) in Excel

Result 1 of 1

→ ENERGY STAR score, EUI/yr and GHG/yr available



Implementation Points

- From a cost and IT perspective – it was a big advantage to have a separate, nightly batch, web-enabled Customer Information Database
 - Isolates from billing system (reduced security issues)
 - Easier working environment
- Significant training effort underway
 - Excellent way to get in front of customers
 - Well-received and appreciated
- Looking forward to additional enhancements to Portfolio Manager from EPA
- PG&E willing to share it's Information Systems Security questionnaire and EPA's Portfolio Manager responses. Contact me (or Keith Forsman, KEF1@pge.com 415.973.2380)

Thank You!

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