

PG&E 2004-05 Energy Efficiency Programs

Santa Clara County
Finance & Government Operations Committee
Septemebr 2,2004

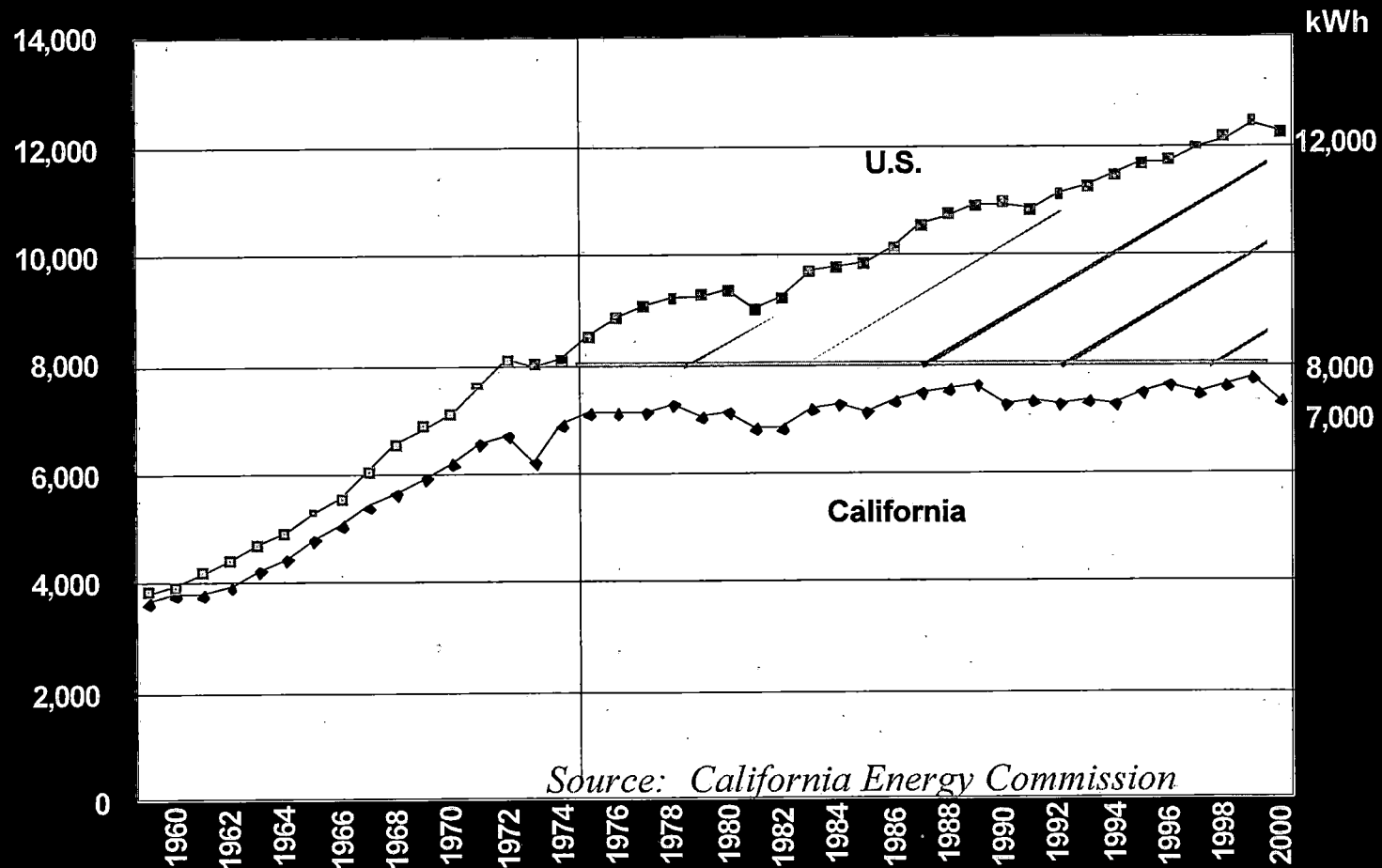
Ben Mehta

PG&E Energy Efficiency Manager
10900 N.Blaney Ave, Cupertino



CA kWh per capita vs. national average

Total Electricity Use, per capita, 1960 - 2001



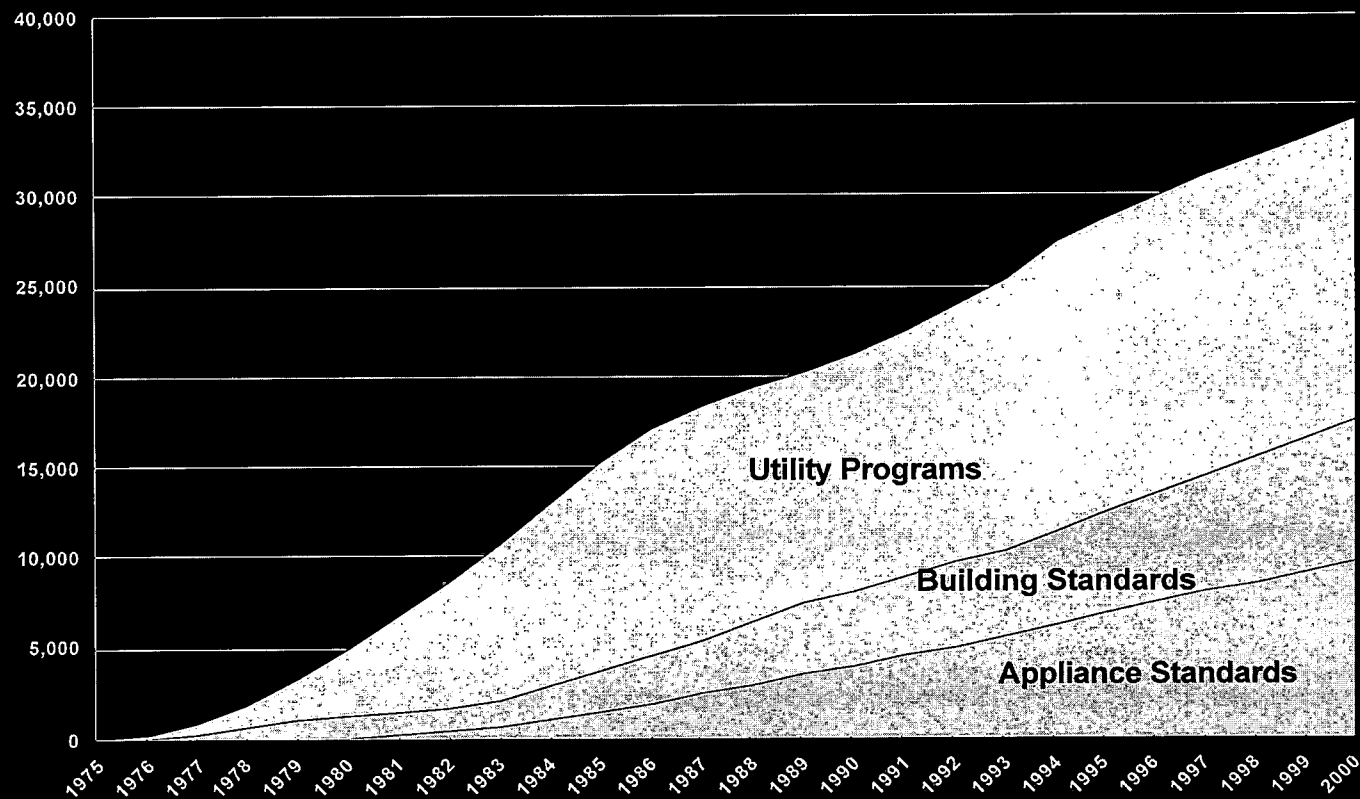
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Where does the savings come from?

GWH Impacts from Programs Begun Prior to 2001



Source: California Energy Commission

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Business Energy Efficiency Incentives Programs

- Standard Performance Contract for accounts greater than 500 kW demand (Retrofit)
- Express Efficiency for accounts smaller than 500 kW demand (Prescriptive Retrofit)
- Savings by Design (New Construction)
- Energy Audits for large and small facilities

2004 and 2005 Budget

- Business Programs \$ 73.4
- Partnerships \$ 39.8

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Partnership Budgets

(Two Years, \$ in Millions)

Partnership	Budget
City of Bakersfield/Kern County	\$3.90
City of Fresno	\$3.00
City of Stockton	\$2.20
City of West Sacramento	\$0.40
East Bay Energy Partnership	\$5.40
El Dorado County	\$1.20
Silicon Valley Energy Partnership	\$1.90
UC/CSU/IOU Energy Partnership	\$5.50
San Francisco Peak Energy Program	\$16.30
Total	\$39.80

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County of Santa Clara Energy Efficiency Efforts

- Many Express Efficiency Projects from 1991 thru Now
- Express Efficiency 2001 Rebate
\$ 235,000 for saving 3.4 Million kwh
and 1,195 kw demand reduction
- This is equivalent to reducing 1,958
tons of carbon dioxide per year

2001 LED Traffic Lights

- Earned LED rebate of \$312,400
- Retrofitted 2,820 LED lamps and reduced 1.3 million kwh electricity consumption and 146 kw demand
- This is equivalent to annual 732 Tons Carbon dioxide emission reduction

2003 Chevron Energy Solutions

- Chevron audited County facilities in three groups
- SPC applications incentives assigned to Chevron
- Three group SPC applications for a total of \$56,700 are approved
- PG&E will review Chevron report for additional opportunities

Future Opportunities

- Bench marking all County facilities and prioritize actions for retrofit opportunities and cost reductions
- “FREE” products under the Express Efficiency pilot from Sept 1 thru Dec 31, 2004 for eligible accounts
- Compact Fluorescent Lamps, LED Exit signs, Programmable Thermostats
- Vending Machine Controllers for additional cost of about \$50 each after the \$90 rebate
- Customer will install these products in 30 days

QUESTIONS ?

- PG&E Account Representative is Dino Pecoraro (DAPA@pge.com)
- PG&E Energy Efficiency Coordinator is Ben Mehta (MRBN@pge.com)
- PG&E Government Relations contact is Darren Deffner (DDDi@pge.com)