

**ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET**



**PROGRAM: HOME ENERGY SAVINGS PROGRAM**

**SECTOR: RESIDENTIAL**

**PURPOSE:** Acquire cost-effective electric and gas savings by providing energy efficiency services and incentives for existing residential dwellings. Initiate program enhancements to include new and expanded efficiency measures and services.

**STRATEGY:**

- Offer incentives for a wide variety of efficiency measures focusing on single-family, multi-family and manufactured homes.
- Redesign of gas furnace incentive redesign and market transformation strategy started in Fall 2004; will mature in 2005 with measures available to homeowners in 1Q05
- Offer Nexus online home energy analyzer, consumer marketing and targeted promotion through bill stuffers and other techniques to create awareness of new measures and benefits available.
- Coordinate with Oregon Department of Energy to offer Compact Fluorescent Light Bulbs (CFLs) through the State Home Oil Weatherization (SHOW) Program.
- Contributes to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Planned new single-family incentives include:
  - Add air sealing to weatherization incentives offered for windows and insulation (cost within contract budget).
  - Add \$100 to all electric home ceiling insulation incentives (cost \$60,000).
  - Add a duct testing incentive (cost \$90,000).
- Planned multi-family new incentives include:
  - Add \$5 window incentive (cost \$1,500,000).
- Planned mobile home new incentives include:
  - Add duct sealing, CFLs, & heat pump cost \$240,000).
- Continue to offer home energy reviews and details on cash incentives available for installing weatherization measures, including installation of up to 10 CFLs in each home.

**TARGETED OUTCOMES:**

2005		2004	
Energy Savings Range	2.5-3.3 aMW (21,632-28,843 MWh); \$3.9- 2.9 mil/aMW; \$0.024-0.018/kWh, levelized	Energy Savings	2.2 aMW (19,000 MWh); \$3.5 mil/aMW
Benefit/Cost	1.7 – 2.3		
Energy Savings Range	714,453-952,605 therms; \$5.7-4.3/therm; \$0.29-0.22/therm, levelized	Energy Savings	720,000 therms; \$4.6/therm
Benefit/Cost	2.7 – 3.6		
Budget	\$13.1 million	Budget	\$10.0 million

**APPROVED BUDGETS AND TARGETS:**

**ACTUALS—INCEPTION TO 9-30-04:**

\$M	aMW	Therms
\$15.1	4.5	1,227,000
\$10.2	2.7	992,356

**KEY MILESTONES**

Date	Milestone Description
Oct 02	Program approved.
1Q05	Major measure enhancements offered.

(see budget on reverse side of page)

## ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET

**PROGRAM: UTILITY TRANSITION PROGRAM** **SECTOR: ALL**

**PURPOSE:**

Acquire electric savings during Energy Trust startup resulting in a seamless transfer of energy efficiency services from historically operated utility energy efficiency programs to Energy Trust programs. This provided a mechanism to offer services and to spend public purpose revenues collected during the period of Energy Trust programs development and ramp-up.

**STRATEGY:**

- Fund standard utility program offerings through 2003. (Strategic plan goals 1, 4, 5)
- Wind-down programs in 2004 and sunset transition agreement by March 2005

**GOALS FOR 2005:**

- Conduct program evaluations for projects completed in 2004
- Provide wrap-up services through March 2005, on long lead-time on commercial new and existing projects in PGE service territory

**TARGETED OUTCOMES:**

<b>2005</b>		<b>2004</b>	
Energy Savings Range	Residential NA	Energy Savings	Residential 0.0006 aMW (4.8 MWh); \$0.0 mil/aMW
Budget	NA	Budget	\$0.0 million
Energy Savings Range	Commercial 1.2 aMW (10,512 MWh); \$0.22 mil/aMW; \$0.0019 kWh, leveled	Energy Savings	Commercial 3.1 aMW (27,000 MWh); \$0.74 mil/aMW
Budget	\$0.26 million	Budget	\$2.3 million
Energy Savings Range	Commercial New Construction NA	Energy Savings	Industrial 0.70 aMW (6,200 MWh); \$0.57 mil/aMW
Budget (Evaluation)	\$0.065 million	Budget	\$0.40 million

**APPROVED BUDGETS AND TARGETS:  
ACTUALS—INCEPTION TO 9-30-04:**

	\$M	aMW
	\$3.9	2.0 (PGE)
<b>RESIDENTIAL</b>	\$3.1	1.36
<b>COMMERCIAL</b>	\$17.5	11.0
<b>INDUSTRIAL</b>	\$7.9	6.56

**KEY MILESTONES**

Date	Milestone Description
<b>Q1 02</b>	<b>Ongoing utility programs funded by Energy Trust</b>
<b>Q1 04</b>	<b>Wind-down transition programs</b>
<b>Q1 05</b>	<b>Sunset supplemental transition contract with PGE</b>

(See budget on reverse side of page)

## ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET

**PROGRAM:** SOLAR WATER HEATING PROGRAM      **SECTOR:** RESIDENTIAL, COMMERCIAL

**PURPOSE:** Acquire cost effective electric and gas savings for residential and commercial markets where water heating is a significant energy load, and work toward long-term market transformation for solar water heating.

**STRATEGY:**

- Shift program focus to opportunities in new construction markets. Continue to accept applications for retrofit projects.
- Perform additional market research, and consider program redesign.
- Promote a healthy solar thermal industry by supporting business development efforts and technical training.
- Contribute to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Double the number of installations over 2004
  - 104 new systems; 17 carryover; 27,000 therms, 258,000 kWh.
- Program structure:
  - Offer incentives to builders and designers through Efficient New Homes and New Building Efficiency programs.
  - Raise gas incentive 50% as allowed by cost/benefit analysis, resulting in improved parity between gas and electric incentives, and increased acceptance among NW Natural customers.
  - Issue competitive RFP for new residential system designs to offer to Energy Star builders.
  - Continue to accept trade ally-initiated projects that conform to Bright Way standards.
  - As warranted, implement recommendations from program evaluation.
- Marketing:
  - Encourage Efficient New Homes and New Building Efficiency programs to promote solar thermal in new construction.
  - Co-market with Eugene Water and Electric Board (EWEB) to reach gas customers.
  - Encourage effective marketing by the solar thermal industry to target commercial audiences.
  - Support ODOE's development and publication of a Solar Water Heating consumer information guide.
  - Conduct market assessment study to determine future program potential. If favorable, consider program redesign for launch in 2006.

**TARGETED OUTCOMES:**

<b>2005</b>	<u>Residential</u>	<b>2004</b>	<u>Residential</u>
Energy Savings	0.008-0.011 aMW (72-96 MWh); \$22.3-16.7 mil/aMW; \$0.17-0.13/kWh levelized 11,136-14,848 therms; \$16.3-12.3 /therm; \$1.5-1.1/therm levelized	Energy Savings	0.021 aMW (181 MWh); \$4.4 mil/aMW 30,000 therms; \$1.29/therm
Benefit/Cost	1.1*	Budget	\$0.13 million
Budget	\$0.37 million		<u>Commercial</u>
Energy Savings	0.012-0.016 aMW (103-137 MWh); \$14.3-10.7 mil/aMW; \$0.11-0.08/kWh levelized 6,980-9,307 therms; \$19-14.2/therm; \$1.4-1.1/therm levelized	Energy Savings	0.066 aMW (582 MWh); \$0.39 mil/aMW 53,000 therms; \$2.53/therm
Benefit/Cost	0.74*	Budget	\$0.16 million
Budget	\$0.31 million		

\* = Utility BCR after 8 years, market transformation program

**APPROVED BUDGETS AND TARGETS:**

**ACTUALS—INCEPTION TO 9-30-04:**

	\$M	aMW	Therms
	\$ 0.49 million	0.087	83,000
Residential	\$0.078	0.002	4,162
Commercial	\$0.054	0.0	5,777

**KEY MILESTONES**

- |             |                              |
|-------------|------------------------------|
| <b>Date</b> | <b>Milestone Description</b> |
|-------------|------------------------------|
- 1Q05 --Request for proposals for new residential SWH system package.
  - 2Q05 --Targeted marketing to commercial solar water heating audience and new construction industry.
  - 3Q05 --Begin program evaluation with results presented to board by December 2005.

(See budget on reverse side of page)

**ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET**



**PROGRAM: PRODUCTION EFFICIENCY PROGRAM** **SECTOR: INDUSTRIAL**

**PURPOSE:** Acquire cost-effective electric savings through technical assistance and expanded financial incentives for high-efficiency design and equipment in existing and new industrial processes and facilities. (Industrial gas rate customers are ineligible for program services and incentives).

**STRATEGY:**

- Continue to target key decision makers of existing industrial process projects, including owners and Chief Financial Officers.
- Deliver program to owners, plant engineers and design process engineers through the Program Delivery Contractors (PDCs) assigned to key sectors.
- Increase program participation and savings volume by offering 2 cent/kWh kicker incentive for those measures with a payback of less than 18 months.
- Expand eligible participants and projects to allow more than one large-scale project (>\$500K) per site per year and increase attractiveness to business owners, while achieving program value through large-scale savings.
- Contribute to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Expand service delivery and market penetration in the following areas:
  - Irrigation program offering a nozzle exchange and pumping efficiency enhancements.
  - Coordinate activities with the new Building Operations & Commissioning program.
- Explore new strategies targeting the underserved smaller industrial market utilizing program allies.
- Monitor 2 cent/kWh incentive offer to assess effect upon future budget and savings acquisition.
- Continue cooperative marketing by both the Energy Trust and the Program Management Contractor (PMC).
- Monitor project commitment level relative to utility funding territory and adjust PDC marketing to balance revenue project funding. The program is on track with anticipated projects to deliver the 2005 target.

**TARGETED OUTCOMES:**

2005		2004	
Energy Savings Range	19.5-22.0 aMW (170,836-192,555 MWh); \$1.2- 1.1 mil/aMW; \$0.016-0.014/kWh, levelized	Energy Savings	17.9 aMW (157,000 MWh); \$0.60 mil/aMW
Benefit/Cost	3.4 – 3.8		
Budget	\$22.8 million	Budget	\$10.9 million

**APPROVED BUDGETS AND TARGETS:  
ACTUALS—INCEPTION TO 9-30-04:**

	\$	aMW
	\$42.6	32.0
	\$7.6	3.2

**KEY MILESTONES**

- | Date      | Milestone Description        |
|-----------|------------------------------|
| • Apr 03  | --Program approved.          |
| • Mar 05  | --Re-compete PMC contract.   |
| • Sept 05 | --New PMC contract in place. |

(see budget on reverse side of page)

## ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET

**PROGRAM:** NEW BUILDING EFFICIENCY PROGRAM **SECTOR:** COMMERCIAL, INDUSTRIAL

**PURPOSE:** Acquire cost-effective electric and gas long-term savings through technical assistance and expanded financial incentives for high-efficiency design and equipment in commercial and industrial new construction and major renovation projects.

**STRATEGY:**

- Target decision makers in commercial and industrial new construction projects and major renovations of existing buildings.
- Deliver program directly to owners and developers by utilizing Program Management Contractors (PMCs) and a statewide comprehensive network of trade allies, leveraging existing market relationships and professional service channels.
- Create outreach program utilizing direct calls and emails, referrals, mass emails, cold calls, news releases, direct mailings, case studies, advertisements in trade publications, program seminars, sponsorships of events and organizations, web site, articles, bill inserts and partnerships with related organizations.
- Contribute to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Offer a Leadership in Energy and Environmental Design (LEED) track based on sq ft and LEED certification level.
- Explore offering free design software (e.g. SkyCalc, eQUEST, GreenBuilding Studio) with up-to-date weather data and building codes to promote energy effective design, daylighting and natural ventilation.
- Add more equipment to the standard track incentive list (e.g. rooftop units, reach-in coolers and refrigerators, appliances, commercial food service equipment).
- Align High-Performance Track and LEED Track with Business Energy Tax Credit (BETC) applications to ensure the program forms meet BETC requirements.
- Explore offering standard incentives for technical/design assistance and commissioning oversight assistance based on square footage of project.
- Obtain incentive commitments for projects in existing SBI 149 schools in coordination with Oregon Department of Energy (cost \$250,000).
- Integrate Green Investment Fund project with program activities (cost \$150,000).

**TARGETED OUTCOMES:**

2005		2004	
Energy Savings Range	0.53-0.71 aMW (4,673-6,231 MWh); \$4.7- 3.5 mil/aMW; \$0.037-0.027/kWh, levelized	Energy Savings	1.8 aMW (16,000 MWh); \$1.2 mil/aMW
Benefit/Cost	1.2 – 1.5		
Energy Savings Range	55,125-73,500 therms; \$5.4 – 4.0/therm; \$0.37-0.28/therm, levelized	Energy Savings	35,000 therms; \$15.0/therm
Benefit/Cost	1.3 – 1.7		
Budget	\$2.7 million	Budget	\$2.7 million

APPROVED BUDGETS AND TARGETS:	\$M	aMW	Therms
<b>ACTUALS—INCEPTION TO 9-30-04:</b>	\$ 5.1	3.8	0
	\$1.4	0.07	24,707

**KEY MILESTONES**

Date	Milestone Description
Apr 03	--Program approved.
July 05	--Contract rebid/renew.

(see budget on reverse side of page)

## ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET

**PROGRAM:** MARKET TRANSFORMATION NORTHWEST ENERGY EFFICIENCY ALLIANCE (the Alliance) **SECTOR:** ALL

**PURPOSE:** Fund and leverage the Alliance regional market transformation initiatives in residential, commercial and industrial market sectors and acquire cost-effective savings in these market sectors while creating sustainable and efficient purchasing patterns among consumers.

**STRATEGY:**

- Leverage Energy Trust and Alliance programs with to increase delivery support and program incentive offerings.
- Coordinate marketing efforts with the Alliance energy efficiency programs currently a focus of Energy Trust programs (e.g. high efficiency computer power supplies).
- Demonstrate cost, savings and value of combined heat and power (CHP) reliability benefits through monitoring, analysis, and case studies.
- Coordinate CHP efforts with Alliance hospitals initiatives and other programs.
- Contribute to Strategic Plan goals 1, 4, 5

**GOALS FOR 2005:**

- Coordinate 30 or more Energy Trust program operations with Alliance initiatives to maximize overall program performance and effectiveness.
- Participate in exploration of possibilities either broaden the mission for the Alliance or create another regional coordination mechanism to address opportunities beyond the Alliance’s scope or budget (e.g. other power conversion devices, regional “golden carrot” for heat pump water heaters).
- Contract for two CHP installations, one with a reciprocating engine and one with microturbine, including economic analysis of CHP value of reliability based on first project results (cost \$100,000).

**TARGETED OUTCOMES:**

<b>2005</b>	<u>Residential</u>	<b>2004</b>	<u>Residential</u>
Energy Savings Range	1.60 aMW (14,320 MWh); \$0.60 mil/aMW; \$0.00075 kWh, levelized	Energy Savings	2.5 aMW (22,000 MWh); \$0.38 mil/aMW
Budget	\$0.94 million	Budget	\$0.95 million
	<u>Commercial</u>		<u>Commercial</u>
Energy Savings Range	0.98 aMW (8,592 MWh); \$1.8 mil/aMW; \$0.017 kWh, levelized	Energy Savings	0.50 aMW (4400 MWh); \$3.4 mil/aMW
Budget	\$1.7 million	Budget	\$1.7 million
	<u>Industrial</u>		<u>Industrial</u>
Energy Savings Range	0.65 aMW (5,728 MWh); \$1.4 mil/aMW; \$0.018 kWh, levelized	Energy Savings	0.31 aMW (2,700 MWh); \$2.2 mil/aMW
Budget	\$0.86 million	Budget	\$0.69 million

**APPROVED BUDGETS AND TARGETS:**

**ACTUALS—INCEPTION TO 9-30-04:**

	\$M	aMW
	\$30.0*	0
Residential	\$2.6	10.6
Commercial	\$4.0	1.7
Industrial	\$1.4	.79

\* must add 2002-2004 (est. \$8.1M) actual expenditures to the \$21.9M which is for 2005-2010

**KEY MILESTONES**

**Date                      Milestone Description**

(See budget on reverse side of page)

**ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET**

**PROGRAM: LED TRAFFIC SIGNAL (LIGHT EMITTING DIODE) PROGRAM    SECTOR: COMMERCIAL**

**PURPOSE:** To promote energy efficiency savings in Oregon’s traffic signal system and acquire cost-effective electric savings in the traffic signal markets by offering financial incentives to high-efficiency LED equipment.

**STRATEGY:**

- Target decision makers in municipal traffic signal projects, including signal system operators and traffic engineers.
- Deliver program directly to signal system operators and traffic engineers by Program Management Contractors (PMCs) to leverage existing market relationships.
- Utilize marketing tools such as direct calls and emails, referrals, mass emails, cold calls, news releases, direct mailings and case studies to reach likely participants.
- Contribute to Strategic Plan goal 1.

**GOALS FOR 2005:**

- Phase out incentive offers for retrofits of existing incandescent green signals to LEDs.
- Expand standard incentives for LED traffic signals to include:
  - Incentives for retrofits of existing incandescent flashing yellow signals to LEDs; and
  - Incentives for retrofits of existing incandescent pedestrian crossing signals to LEDs.
- Explore funding outdoor LED lighting such as landscape, signage, architectural, etc.
- Explore offering incentives for new green, yellow and red LED signals.

**TARGETED OUTCOMES:**

<b>2005</b>		<b>2004</b>	
Energy Savings Range	0.21-0.28 aMW (1,828-2,437 MWh); \$1.3-0.97 mil/aMW; \$0.024-0.018/kWh, levelized	Energy Savings	0.2 aMW (1,760 MWh); \$0.95 mil/aMW
Benefit/Cost	2.1 – 2.7		
Budget	\$0.26 million	Budget	\$0.18 million

**APPROVED BUDGETS AND TARGETS:**

	\$	aMW
<b>ACTUALS—INCEPTION TO 9-30-04:</b>	\$0.76	0.37
	\$0.49	0.38

**KEY MILESTONES**

<b>Date</b>	<b>Milestone Description</b>
Jul 03	--Program approved.
Jul 05	--Contract re-authorization.

(see budget on reverse side of page)

## ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET



**PROGRAM: EFFICIENT NEW HOMES PROGRAM** **SECTOR: RESIDENTIAL**

**PURPOSE:** Provide the residential new home market with services and expanded incentives to achieve electric and gas savings with focus on EPA ENERGY STAR® regional specifications, reaching home buyers, builders, multifamily developers, and manufactured home manufacturers.

**STRATEGY:**

- Increase demand for efficient new homes that meet ENERGY STAR Northwest Builder Option Package (BOP) specifications by creating top-of-mind public awareness of “ENERGY STAR” rated home benefits.
- Build delivery support by encouraging participation of builders, developers, contractors, realtors, industry associations and manufacturers.
- Engage greater manufacturer participation to increase availability of products in the market at competitive prices (e.g. lighting, window, insulation, heating ventilation and air conditioning (HVAC) equipment manufacturers).
- Coordinate efforts with the Alliance to complement program approaches and activities.
- Coordinate efforts with Earth Advantage to create consistent messaging for ENERGY STAR and energy efficient homes.
- Contribute to Strategic Plan goals 1, 3, 4, 5.

**GOALS FOR 2005:**

- Develop additional cost-effective builder incentives to attract initial participation such as:
  - Add incentives for 100% compact fluorescent light bulb (CFL) installation by builders.
  - Add incentive for ENERGY STAR clothes washer in coordination with Efficient Home Products standard offer.
- Provide performance testing and duct sealing training and incentives for HVAC installers.
- Offer equipment incentives to performance testers to provide them with the diagnostic tools necessary to participate.
- Provide on-site training in building diagnostics and proper equipment installation to participating builders.
- Leverage the model home support provided through the Alliance ENERGY STAR Homes Northwest project.
- Conduct 4-6 low rise multifamily demonstrations to determine a cost effective approach to this sector.
- Fund a pilot under the National Energy Star Multifamily high-rise (cost \$450,000).
- Promote and offer incentives to manufacturers of Northwest Energy Efficient Manufactured Homes (NEEM) form homes sited in Energy Trust service territory (cost \$500,000).
- Develop a homeowners guide to maximize savings in ENERGY STAR new homes.
- Train realtors on ENERGY STAR home benefits.

**TARGETED OUTCOMES:**

<b>2005</b>		<b>2004</b>	
Energy Savings Range	0.42-0.55 aMW (3,639-4,852 MWh); \$6.8- 5.1 mil/aMW; \$0.038-.028/kWh, levelized	Energy Savings	0.23 aMW (2,000 MWh); \$7.0 mil/aMW
Benefit/Cost	1.2 – 1.6		
Energy Savings Range	163,125-217,500 therms; \$10.4-7.8/therm; \$0.57-0.42/therm, levelized	Energy Savings	97,000 therms; \$7.1/therm
Benefit/Cost	1.8 – 2.4		
Budget	\$4.3 million	Budget	\$2.3 million

<b>APPROVED BUDGETS AND TARGETS:</b>	\$M	aMW	Therms
<b>ACTUALS—INCEPTION TO 9-30-04:</b>	\$5.0	0.7	290,000
	\$0.67	0.0	164

**KEY MILESTONES**

Date	Milestone Description
Oct 03	--Program approved.
June 04	--Program launch.
Jan 05	--Manufactured home Northwest Energy Efficient Manufactured homes launch.

(see budget on reverse side of page)



**ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET**

**PROGRAM: EFFICIENT HOME PRODUCTS PROGRAM**

**SECTOR: RESIDENTIAL**

**PURPOSE:** Overcome market barriers to the purchase of energy efficient products and achieve electric and gas savings through product incentives, consumer awareness and education, focusing on Environmental Protection Agency (EPA) ENERGY STAR® label and corresponding benefits of products and services that display it.

**STRATEGY:**

- Achieve long-term viability for efficient home products in the residential sector.
- Drive overall ENERGY STAR brand messaging to sustain and increase market penetration of qualified products and consumer awareness of the ENERGY STAR label.
- Offer cooperative marketing dollars to retail trade allies, including appliance and lighting retailers, to reinforce and increase participation in Energy Trust sponsored incentive promotions.
- Contribute to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Recycle inefficient refrigerators by offering incentives to homeowners.
- Establish a year-round incentive promoting ultra-high efficiency clothes washers for 1.8+ Modified Energy Factor (MEF) machines, including manufacturer matches, (cost \$411,000).
- Evaluate a higher efficiency dishwasher incentive to dovetail with the Oregon State tax credit 0.62 efficiency factor (cost \$40,000).
- Provide marketing, education, sales training and tools that fortify ENERGY STAR brand awareness among consumers and program allies.
- Expand Lights for Learning school fundraiser to an additional 10 schools (maximum cost of \$49,000).
- Support both lighting and appliance retail trade ally efforts to promote efficient home products to their customers.
- Leverage ENERGY STAR marketing funds for Energy Trust trade allies through cooperation with the NW Alliance's Consumer Products Initiative.
- Provide free box of four compact fluorescent light bulbs (CFLs) to each customer completing the Nexus online home energy analyzer (cost \$257,000).

**TARGETED OUTCOMES:**

<b>2005</b>		<b>2004</b>	
Energy Savings Range	1.1-1.4 aMW (9,321 - 12,428 MWh); \$2.2 – 1.6 mil/aMW; \$0.026-0.019/kWh, levelized	Energy Savings	0.19 aMW (1,700 MWh); \$4.9 mil/aMW
Benefit/Cost	1.4 – 1.9		
Energy Savings Range	20,531–27,375 therms; \$12.6-9.5/therm; \$0.67-0.50/therm, levelized	Energy Savings	46,000 therms; \$3.3/therm
Benefit/Cost	0.9 – 1.2		
Budget	\$2.6 million	Budget	\$1.1 million

**APPROVED BUDGETS AND TARGETS:**

**ACTUALS—INCEPTION TO 9-30-04:**

	\$M	aMW	Therms
<b>APPROVED BUDGETS AND TARGETS:</b>	\$2.9	0.85	3,000,000
<b>ACTUALS—INCEPTION TO 9-30-04:</b>	\$0.84	0.29	39,415

**KEY MILESTONES**

Date	Milestone Description
• Oct 03	--Program approved.
• Mar 04	--Program launch.
• Jan 05	--Offer year-round dishwasher incentive.
• Feb 05	--Offer Nexus compact fluorescent light bulb (CFL) fulfillment initiative.
• Oct 05	--Expand Lights for Learning school fundraiser.

(see budget on reverse side of page)

**ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET**



**PROGRAM: BUILDING EFFICIENCY PROGRAM                      SECTOR: COMMERCIAL**

**PURPOSE:** Provide technical assistance and attractive financial opportunities to existing commercial facilities that acquire long-term cost-effective energy efficiency electric savings and more opportunities for gas from high-efficiency design and equipment.

**STRATEGY:**

- Continue to deliver program services directly to the target market of existing commercial business owners, institutions and governmental entities.
- Build on the successful state-wide comprehensive Trade Ally Network of installation and technical assistance contractors to further deliver program services to the public.
- Target decision makers of existing commercial renovation project including owners and installation contractors.
- Utilize the Program Management Contractors to market the program coordination efforts with the Energy Trust.
- Expand service delivery and market penetration in the underserved smaller commercial businesses.
- Deliver specialized outreach & incentives for lighting and HVAC projects.
- Contributes to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Initiate new direct-install dishwasher pre-rinse spray valves effort to food service market sector resulting in increased gas energy savings and fund expenditures.
- Create initiatives for commercial rooftop units and gas heating equipment resulting in greater Heating Ventilation and Air Conditioning (HVAC) penetration.
- Integrate packaged refrigeration measures for convenience and grocery stores in coordination with the Alliance's program efforts.
- "Interface" with the new Building Operations & Commissioning program.

**TARGETED OUTCOMES:**

<b>2005</b>		<b>2004</b>	
Energy Savings Range	2.8-3.7 aMW (24,165-32,220 MWh); \$2.1-1.5 mil/aMW; \$0.019-0.015/kWh, levelized	Energy Savings	2.17 aMW (19,000 MWh); \$2.0 mil/aMW
Benefit/Cost	2.6 – 3.5		
Energy Savings Range	282,600-376,800 therms; \$3.4-.25/therm; \$0.30-0.22/therm, levelized	Energy Savings	430,000 therms; \$1.7/therm
Benefit/Cost	2.1 – 2.7		
Budget	\$6.4 million	Budget	\$5.1 million

	\$M	aMW	Therms
<b>APPROVED BUDGETS AND TARGETS:</b>	\$8.6	4.2	450,000
<b>ACTUALS—INCEPTION TO 9-30-04:</b>	\$7.2	3.9	37,716

**KEY MILESTONES**

<b>Date</b>	<b>Milestone Description</b>
• Aug 02	--Program approved.
• Jan 05	--Current PMC contract is extended through September 2005.
• Mar 05	--Solicit program re-compete request for proposals (RFP).
• Dec 05	--Conduct annual program evaluations, report evaluation results to Board by December 2005.

(see budget on reverse side of page)



**ENERGY EFFICIENCY 2005 FINAL APPROVED BUDGET**

**PROGRAM: EFFICIENT FACILITY OPERATIONS PROGRAM**

**SECTOR: COMMERCIAL**

**PURPOSE:** Acquire cost-effective electric and gas savings by creating initiatives for participants to integrate energy efficiency into their daily business operations.

**STRATEGY:**

- Create initiatives to include Building Performance Services (BPS), Building Operator Certificate (BOC), compressed air technologies, and building benchmarking.
- Improve operations and maintenance of existing commercial and industrial facilities by engaging senior management through BPS and provide O&M training to facility operators through BOC.
- Energy Trust staff will coordinate complementary services offered through other Energy Trust Programs.
- Segment the commercial market by size to create specialized outreach and service delivery that address customer needs and requirements.
- Utilize Energy Star portfolio manager or similar facility benchmarking tool to prioritize customers and to maximize energy savings. This software tool allows users to compare their facility's energy usage to a regional average for that type of building.
- Contribute to Strategic Plan goals 1, 3, 4, 5

**GOALS FOR 2005:**

- Program launch and conduct outreach.
- Develop a "qualified program ally" network to deliver program services (cost \$65K).
- Integrate the Alliance's Building Performance Services pilot into program.
- Sign ten large facilities to program—two have indicated willingness to participate (cost \$308K).
- Develop a prescriptive compressed air initiative targeting the small to mid-sized industrial sector.

**TARGETED OUTCOMES:**

**2005**

Energy Savings Range 0.37- 0.49 aMW (3,251-4,335 MWh); \$1.8- 1.3/aMW;  
 \$0.065- 0.048/kWh, levelized  
 Benefit/Cost 2.0 – 2.7  
 Energy Savings Range 61,725- 82,300 therms; \$3.1-2.3/therm; \$0.40-  
 0.30/therm, levelized  
 Benefit/Cost 3.4 – 4.5  
 Budget \$0.82 million

**2004**

Energy Savings 0.33 aMW (2,900 MWh); \$0.40  
 mil/aMW  
 Energy Savings 21,000 therms; \$7.33/therm  
 Budget \$0.28 million

**APPROVED BUDGETS AND TARGETS\*:**

	\$M	aMW	Therms
APPROVED BUDGETS AND TARGETS*:	\$0.28	0	0
ACTUALS—INCEPTION TO 9-30-04:	\$0.018	0	0

\*= Alliance pilot initiated in 2004. No staff resources. Postponed program launch.

**KEY MILESTONES**

- | Date     | Milestone Description                   |
|----------|---|
| • Dec 03 | --Program approved.                     |
| • Jan 04 | --Staffing constraint postponed launch. |
| • Apr 05 | ---Launch program.                      |

(see budget on reverse side of page)