CALIFORNIA ENERGY COMMISSION

www.energy.ca.gov/efficiency/partnership
Call (916) 654-4147

Energy Partnership Program

APPLY TODAY

FOR TECHNICAL ASSISTANCE

CITIES & COUNTIES

SPECIAL DISTRICTS

HOSPITALS & PUBLIC CARE

COLLEGES & UNIVERSITIES

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Revised October 2004

THE ENERGY PARTNERSHIP PROGRAM

ENERGY EFFICIENCY ASSISTANCE FOR PUBLIC AND NON-PROFIT FACILITIES

MAKE YOUR FACILITIES ENERGY EFFICIENT AND REAP BIG BENEFITS

Energy costs are typically three to ten percent of annual operating expenses. For the largest facilities, that can exceed $1 million per year! But you can control and lower energy costs without sacrificing employee comfort or compromising the quality of your operations. It is proven that implementing cost-effective energy efficiency projects reduces annual utility bills by an average of 20 percent, and the savings continue year after year. You spend less for a more comfortable facility, and you conserve increasingly finite and expensive energy resources. Everyone wins.

The Energy Partnership Program

Whether you are building a new facility, renovating an existing one, or want to reduce your energy bills, the Energy Partnership Program can help. This California Energy Commission program offers specific services to help you become more energy wise, such as identifying cost-effective energy projects to meet your needs and providing follow-on design and implementation assistance for these projects.

Here's how we can assist you

Existing Facilities

Use the Energy Partnership Program to target energy efficiency improvements of your existing facility. We can identify energy-related projects that should be implemented immediately as part of a comprehensive energy program. The Energy Partnership Program can also identify state loans and other financing mechanisms to get these projects installed.

Who is eligible?

- Cities
- Counties
- Special districts
- Public or non-profit hospitals
- Public or non-profit public care facilities
- Public or non-profit colleges/universitie

FOR EXISTING FACILITIES HERE IS WHAT WE CAN DO FOR YOU:

- ✓ **Conduct energy audits and prepare feasibility studies**
- ✓ **Review existing proposals and designs**
- ✓ **Develop equipment performance specifications**
- ✓ **Review equipment bid specifications**
- ✓ **Assist with contractor selection**
- ✓ **Assist with commissioning**

New Construction

Facilities built with energy efficient designs cost less to operate. That means continuous savings from the first day of operation! It is possible to reduce energy consumption significantly below that set by the state's minimum building efficiency standard (Title 24), particularly if you get the Energy Partnership Program involved early in the design phase.

HERE ARE SOME WAYS WE CAN HELP WITH NEW CONSTRUCTION:

- Provide design consultation
- Compare different technologies
- Review schematics and construction plans
- Provide equipment specification consultation
- Identify cost-effective, energy-saving measures
- Develop computer simulation models of your planned project
- elp select experienced professionals with energy efficiency expertise
- Assist with commissioning

Is there a cost to participat in the Energy Partnership Program?

The program has experienced engineering and architectural consultants who provid technical assistance. We provide up to $10,000 of our consultants' cost. For some applicants, this could cover **all the cost** for analyzing one or more facilities. With some cost sharing from you, the program can analyze multiple facilities or provide specialized studies/analysis. Once the projects are identified by the Energy Partnership Program, low interest rate loans are available from the Energy Commission to finance the recommendations.

THE ENERGY PARTNERSHIP PROGRAM

THE APPLICATION PROCESS

HOW DO I APPLY ?

1. **Application.** Complete the enclosed application. Note—On the Application, the word "Applicant" refers to the legal name of your local government, college, hospital, special district, or public care facility.

2. **Supplemental Information.** Provide copies of any relevant information about your project, such as past energy studies and preliminary plans or drawings. You must provide the latest 12 months of utility (energy) bills for each account pertaining to the facility(ies) for which you are requesting technical assistance. If fuels are not delivered on a regular schedule (propane, heating oil, etc.), please send invoices for the past two or three years. Also send a site map (a fire evacuation map is satisfactory) for each facility.

3. **Governing Board Resolution.** We must have a resolution from your governing board before your organization receives technical assistance.

4. **Mailing Instructions.** Mail your application and supplemental information to:

California Energy Commission
Energy Partnership Program
Public Programs Office
1516 Ninth Street, MS 42
Sacramento, CA 95814-5512

HOW WILL YOU EVALUATE MY APPLICATION?

The application must indicate how you plan to execute and fund recommended projects. Also, your Governing Board Resolution must demonstrate a strong commitment to implementing the Energy Partnership Program's cost-effective recommendations.

WHEN IS MY APPLICATION DUE?

The Energy Partnership Program is open continuously. There is no final filing date but program funds are limited. Filing promptly will increase your chances of receiving assistance.

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FOR MORE INFORMATION:

Visit the Energy Partnership Program Web Site at

www.energy.ca.gov/efficiency/partnership

or call the California Energy Commission (916) 654-4147

THE ENERGY PARTNERSHIP PROGRAM

THE PROCESS

APPLICATION

You provide information about your organization and the proposed project.

EVALUATION

Energy Commission staff reviews your application and verifies your commitment to implementing the Energy Partnership Program recommendations.

SITE VISIT (OPTIONAL)

Energy Commission staff meets with your project team to discuss the project, review plans, and tour your facilities.

SCOPE OF WORK

Based on the application and site visit, Energy Commission staff determines if the Energy Partnership Program can provide technical assistance. Energy Commission staff develops a scope of work detailing the technical assistance to be provided and discusses it with you.

ENERGY PARTNERSHIP PROGRAM SERVICES AGREEMENT

If your agency will be sharing the technical cost with us, a services agreement will be developed and signed by both agencies.

TECHNICAL ASSISTANCE SERVICES

The Energy Partnership Program provides the desired services identified in scope of work.

PROJECT REVIEW

Your agency reviews and comments on the Energy Partnership Program technical reports.

FINANCING SECURED (OPTIONAL)

Your agency secures financing to implement and complete the projects. Many projects qualify for loans from the Energy Commission.

INSTALLATION / CONSTRUCTION ASSISTANCE (IF REQUESTED)

The Energy Partnership Program consultants can help prepare preliminary equipment bid specifications, select contractors, review proposals and designs, and/or assist your contractors with project commissioning. During construction, Energy Commission staff can be available for consultation.

PROJECT COMPLETE

Energy Commission staff will be available for consultation after the project is completed. This is the start of lower annual energy costs and improved facilities.

How a Past Participant Has Benefited From the Energy Partnership Program

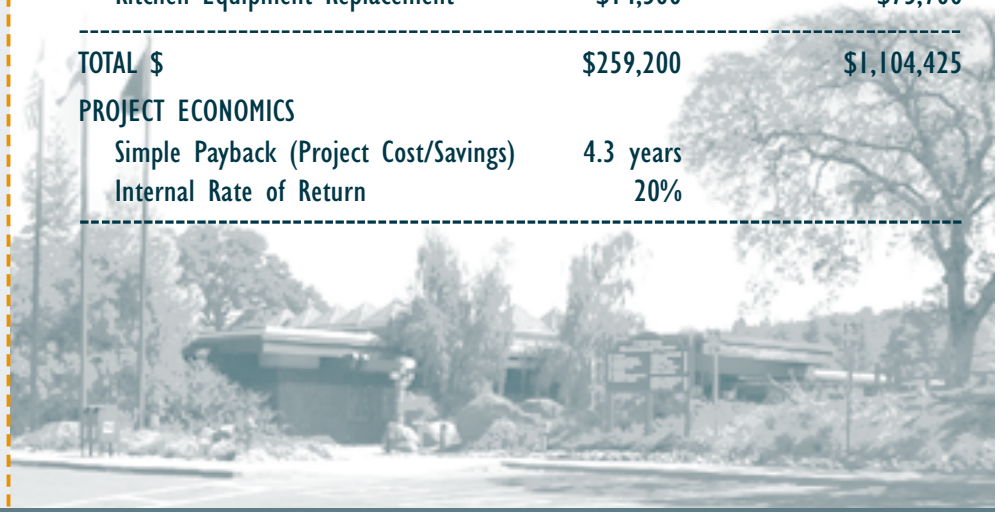
El Dorado County — Continuing Its Quest To Have Energy Efficient Facilities

By working with the Energy Partnership Program, El Dorado County has aggressively improved the energy efficiency of its facilities while lowering annual operating costs. In 1990, the County first applied to the program for technical help in making its heating system more energy efficient. In 1998, the County applied again to improve the energy efficiency of eight facilities covering over 186,000 square feet. An energy audit of these facilities identified lighting, heating, ventilating, and air conditioning projects that could cut energy costs by over 30%. These projects were financed with two state loans—one for $224,032 in 1998, and another for $800,000 in 2002. In 2004, the County again requested technical assistance for four more buildings totaling about 50,000 square feet. An audit of these facilities recommended improvements to the lighting and heating systems and building envelope.

The County's long involvement with the Energy Partnership Program has already saved them about $50,000 per year in lower energy bills and these savings will grow to over $260,000 once all projects are installed and operating. Thus, the County will recover its project investment of $1.1 million in about 4.3 years. That's a 20 percent return on investment. Jim Doolittle, county consultant, states "the County will continue its quest to make all facilities energy efficient and less costly to operate and the Commission's Energy Partnership and Loan Programs are key to making this a reality."

Energy Saving Projects Identified by the Energy Partnership Program and Funded with a State Loan

EL DORADO COUNTY PROJECTS	ANNUAL ENERGY COST SAVINGS	PROJECT COST
Lighting Improvements and Controls	$54,400	$215,005
Energy Efficient Propane Boiler	$103,000	$42,000
Energy Management System	$47,500	$294,000
Premium Efficiency Motors	$3,700	$27,700
Replace Electric Space Heaters	$1,700	$13,300
Air Handler Improvements	$31,000	$420,000
Package Unit Replacements	$2,500	$11,000
Building Envelope Improvements	$900	$5,720
Kitchen Equipment Replacement	$14,500	$75,700
TOTAL $	$259,200	$1,104,425
PROJECT ECONOMICS		
Simple Payback (Project Cost/Savings)	4.3 years	
Internal Rate of Return	20%	



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STATE OF CALIFORNIA ENERGY COMMISSION

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