REPORT TO COUNCIL
City of Sacramento

915 I Street, Sacramento, CA 95814-2604
www. CityofSacramento.org

CONSENT
October 11, 2005

Honorable Mayor and
Members of the City Council

Subject: Voluntary Agreement: California's Energy Pledge

Location/Council District: Citywide.

Recommendation:

Adopt a Resolution: 1) Committing the City's best efforts to reduce energy consumption by 20% by 2015 using cost- effective measures, 2) exploring the enrollment in demand response programs and reducing power usage during Flex Your Power NOW! Alerts, and 3) educating employees on how to save energy at work and at home.

Provide a Flex Your Power energy saving tip card to each employee in an upcoming pay statement (Attachment A).

Contact: Keith Roberts, Senior Engineer, (916) 808-4726; Bob Williamson, Supervising Architect, (916) 808-8430

Presenters: Not Applicable

Department: Department of General Services

Division: Facilities and Real Property Management

Organization No: 3283

Summary:

Flex Your Power, the statewide energy efficiency campaign, has requested that the City of Sacramento sign the California Energy Pledge (Exhibit A). The City already implements much of what is contained in the pledge and with concurrence from Flex Your Power, staff has reformatted the Energy Pledge into a Resolution. The City has saved nearly $1 million per year in electric energy costs and has reduced electricity use by over 14,000,000 kWh in 2004, using 1992 as a base year. Staff assessments indicate that the additional scope listed in the Energy Pledge can be easily implemented.

Committee/Commission Action: None.

Background Information:

The City of Sacramento has a longstanding history of improving the energy efficiency of its facilities. Over 110 projects have been completed over the last several years saving the City nearly $1 million per year in energy costs and reducing annual consumption of electricity by 14 million kWh (12%) in 2004, using 1992 as the base year. Some of the efforts that have recently been completed, or are under design or construction include:

- Completion of the New City Hall - 25% more efficient than required by State energy codes.
- City Council Resolution 2004-751 requiring future City buildings to achieve Leadership in Energy and Environmental design (LEED) Silver.
- Registration of three (3) City buildings under the LEED program (Mims-Hagginwood Community Center, New City Hall, Crocker Art Museum Expansion).
- Development of sustainability awareness posters by teaming with Sacramento Unified School District, Burbank High School and SMUD.
- Coordination with the above partners to develop animated public service announcements for 2006.
- Continuation of the City's Charter membership in the California Climate Action Registry.
- Completion of a lighting survey of 20 City buildings with installation of occupancy sensors to commence in the Fall in six of those buildings.
- Development of a contract to implement demand response (i.e. reduced energy load) in the Public Safety Administration Building.
- Installation of remotely-controlled demand response thermostats at Belle Cooledge Library.
- Application for a 2005 Flex Your Power award on behalf of the City, by the Department of General Services.
- Receipt of periodic updates via the Flex Your Power e-newswire to obtain up-to-date energy reports and information.

Flex Your Power, the statewide energy efficiency campaign has requested that the City of Sacramento sign the California Energy Pledge. The City already implements much of what is contained in the pledge. Staff assessments indicate that the additional scope can be easily implemented:

- The City is well on its way to achieving a 20% energy reduction by 2015
- The City does participate in SMUD's Voluntary Emergency Curtailment Program
- The City does have the ability to implement demand response in selected buildings and plans to expand to other buildings
- The sustainability posters that have been produced by Burbank High School will be used to improve public and employee awareness in 2005 and 2006
- The only pledge requirement remaining to be addressed is the requirement to reduce load during Flex Your Power NOW! Alerts. This would consist of one or both of the following; (1) providing e-mail alerts to staff to turn off unnecessary equipment during these alerts, (2) using the City energy management system to slightly reduce building loads during these alerts.

Flex Your Power has also provided an energy savings tip card. Staff recommends distributing this card to all City employees with an upcoming pay statement.

Financial Considerations:

The California Energy Pledge requests signers to implement cost-effective energy efficiency. This requirement may cause capital outlay costs of approximately $3 to $4 million dollars over the next 10 years to achieve the stated goal. However, if all projects are cost-effective, the long term savings will exceed the capital expenditures; typical energy savings is $2 to $4 for every dollar invested.

Environmental Considerations:

The actions taken based on this report will improve regional and global air quality, reduce demand on natural resources, and lower increased demands on City-owned infrastructure (water, sewer, roads, and solid waste).

Policy Considerations:

This policy consideration is consistent with the City's Smart Growth principles, the City Council's Strategic goal to achieve sustainability and livability, and the goals of reducing energy and water consumption, and continuing to implement energy efficiency measures for the City's systems and facilities.

Emerging Small Business Development (ESBD):

No goods or services are being purchased.

Respectfully Submitted by: _____
Cynthia Kranc
Facilities Manager

Approved by: _____
Reina J. Schwartz
Director, Department of General Services

Recommendation Approved:

Cassandra H.B. Jennings
ROBERT P. THOMAS
City Manager

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ATTACHMENT A

Flex Your Power Energy Tip Card

Save Energy at Home

The average household could cut one third to one half of its current energy bill by switching to energy-efficient appliances, heating and cooling equipment and lighting.

Replace the 4 light bulbs you use most often with compact fluorescent lamps (CFLs) and save up to $35 a year in energy costs.

Install a programmable thermostat and set it to 78°F on hot days and 68°F on cold days.

Retire older appliances and replace them with energy-efficient ENERGY STAR® models.

Weatherize your home. Install energy-efficient windows, seal and caulk leaky doors and install foam gaskets behind outlet covers.

Turn off lights in empty rooms. Take advantage of natural light whenever possible.

Keep the refrigerator full to help it stay cool, while using less energy.

Avoid using major appliances until after 7 p.m.

Unplug unnecessary appliances when not in use.

Turn off the tap when you brush your teeth or shave.

Water your garden or lawn in the early morning or evening.

For more ways to save energy, go to **www.FYPower.org**.

When energy demand is high, everyone needs to pitch in. When you hear, "Flex Your Power NOW!":

- Turn off unnecessary lights and equipment
- Adjust thermostat to 78°F on hot days
- Wait until after 7 p m to use major appliances

Flex your POWER NOW!

Funded by the California ratepayers under the auspices of the California Public Utilities Commission

Save Energy at Work

Lighting, office equipment, heating, cooling, and ventilation account for 90% of a typical office building's energy use. Lighting uses more than 40%, office equipment such as computers, printers and copiers use 23%, and heating, cooling and ventilation use 25% of all the electricity in an office building.

In general, thermostats should be set to maintain 78°F on hot summer days and 68°F on cool winter days, health and safety permitting.

Dress comfortably for the weather. Adjust your layers before adjusting the thermostat.

Keep windows and doors closed to prevent loss of cooled or heated air. Seasonally adjust blinds and coverings on windows that receive direct sunlight.

Turn off unnecessary lights. Maximize use of natural light whenever possible.

Minimize use of portable electric devices (e.g. microwaves, toaster ovens, electric heaters, or personal fans).

Turn off coffeemakers after use or by 10 a.m. Transfer coffee to an insulated container or reheat individual cups in the microwave.

Set all computers to "sleep" when not in active use.

Turn off printers and copiers when not in use and reduce the number of copiers and printers in regular operation.

Turn off office equipment, kitchen equipment and lights.

Shut down computers.

For more ways to save energy, go to **www.FYPower.org** and subscribe to **e-Newswire** – California's energy resource newsletter.

Flex your POWER

RESOLUTION NO.

Adopted by the Sacramento City Council

October 11, 2005

CALIFORNIA'S ENERGY PLEDGE

BACKGROUND

A. Flex Your Power, the statewide energy efficiency campaign, has requested the City of Sacramento to sign the California Energy Pledge (Exhibit A).

B. Energy efficiency saves money and is an environmentally sustainable means of enhancing energy reliability and economic prosperity in California.

C. Extended stretches of extremely hot weather, droughts, or transmission difficulties can cause energy shortages with resulting disruptions in business.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

Section 1. Energy Efficiency: We will make our best efforts to help the State of California achieve the goal of reducing energy use in non-residential buildings by 20 percent by 2015 (as called for in the Governor's Green Building Action Plan) through cost-effective measures that increase energy efficiency in our facilities.

Section 2. Conservation and Load Shifting: We will explore enrolling in demand response programs available through our utility. When electricity supplies are tight, we will voluntarily reduce demand when we hear a "Flex Your Power NOW!" alert. We will participate in Voluntary Load Reduction programs to further reduce energy use.

Section 3. Public Awareness: We will educate our employees on how to save energy at work and at home.

Section 4. Use of City's Name: Flex Your Power is authorized to use the City of Sacramento's name as a supporter in promoting this important initiative.

We are hopeful that our commitment will encourage other leaders to take comparable steps to ensure reliable, affordable energy and support the economic health of our region and California.

EXHIBIT A

California's Energy Pledge

WHEREAS: energy efficiency saves money and is an environmentally sustainable means of enhancing energy reliability and economic prosperity in California; and

WHEREAS: extended stretches of extremely hot weather, droughts, or transmission difficulties can cause energy shortages with resulting disruptions in business; now

THEREFORE: be it resolved;

- Energy Efficiency: We will make our best efforts to help the State of California achieve the goal of reducing energy use in non-residential buildings 20 percent by 2015 (as called for in the Governor's Green Building Action Plan) through cost-effective measures that increase energy efficiency in our facilities.
- Conservation and load shifting: We will explore enrolling in demand response programs available through our utility. When electricity supplies are tight, we will voluntarily reduce demand when we hear a Flex Your Power NOW! alert. We will participate in Voluntary Load Reduction programs to further reduce energy use
- Public Awareness: We will educate our employees on how to save energy at work and/or home.

We are hopeful that our commitment will encourage other leaders to take comparable steps to ensure reliable, affordable energy and support the economic health of our region and California. You are authorized to use my organization's name as a supporter in promoting this important initiative.

Signature: _____

Name (Print): _____

Title: _____

Company: _____

Email: _____

Phone: _____

Street Address: _____

City, State, Zip: _____

Please return California's Energy Pledge via
Fax: (415) 775-4159 or Email: success@FYPower.org