

## **GAT Status Report of Activities to Date**

**December 15, 2005**

### **DEVELOPMENTS:**

*California commits to US EPA Energy Star Challenge.* California joined with more than half the states across the nation and the District of Columbia to support the US EPA Energy Star Challenge which calls for measures to improve their energy efficiency by 10 percent or more.

*California receives the Leonardo Academy 2005 Sustainability Recognition Award for existing buildings:* The State of California received the Green Building Owner of the Year Award, recognizing Governor Schwarzenegger's executive order committing to LEED implementation in state buildings.

*Preliminary results of Building Tune-ups show impressive savings:* Preliminary results are coming in for one of the three buildings in the PG&E Building Tune-up program. For the CPUC building in San Francisco, no/low cost measures have been identified for over 200,000 kWh savings – about 10% of their utility bill. Measures include actions such as cleaning chilled water coils, adjusting kitchen exhaust fan schedule, reducing outside air damper pressure, repairing airside economizer, etc. The payback from these measures is about 5 months.

*MOU with USGBC will provide LEED fee reductions:* For commitments to LEED certifications, USGBC will discount registration and certification fees based on volume and pre-approved and adopted policies and practices, discount LEED resources and education, provide dedicated project support, support public recognition of California efforts in this area.

*"California Gold" Carpet Standard will reduce emissions and improve recycling:* MM in final development mandating state carpet purchases meet draft American National Standard Sustainable Carpet Assessment Standard which establishes minimum requirements for material emissions, recycled content and manufacturer end-of-life recycling. This action culminates an extensive consensus process with multiple stakeholders including industry, government and professionals and represents a major accomplishment by the EPP task force and EPP workgroup of the Green Building Committee.

### **PUBLIC BUILDINGS:**

#### Green Buildings

- Six New Capital Outlay Projects budgeted and planned for LEED- Silver
- GOAR submitted for \$5.6Million in budget augmentations to incorporate LEED-Silver measures in 9 projects that were underway prior to the EO. One project removed from list due to major project budget issues. A second project removed

from GOAR in lieu of asking the agency to fund the LEED cost differential (\$150K).

- New Energy Star Leasing Policy adopted. Letters sent to over 1,600 Lessors announcing of Energy Star preference on renewal and new leases. Revised all lease announcements to announce state preference for Energy Star buildings.

#### Energy Efficiency

- Renewable technologies: Solar PV distributed generation projects are in final development which will install 2.3 Megawatts of generation at seven state facilities. Project plans for Patton State Hospital, Chuckawalla Valley State Prison, CSU Fullerton and Dominguez Hills are in review for code compliance
- Benchmarking:
  - CEC identified USEPA Energy Star benchmarking system as the interim benchmarking tool (Sept 05)
  - DGS completed manual benchmarking of 50 buildings over 50,000 sf
  - State agencies requested to complete benchmarking spreadsheet for 250 buildings over 50,000 sf and to enter data into USEPA Energy Star Portfolio Manager – ECD April 1, 2006
- Retro-Commissioning:
  - CEC development of commissioning guidelines – ECD:
  - DGS identified 10 buildings for Utility-sponsored building tune-up programs. 4 projects underway in CY05 program, remaining projects to be proposed in CY06 program.
  - SCSA letter Sept 13 to agency secretaries asking for the identification of buildings that can be RCx this coming year.
    - Follow up meetings held with undersecretaries to confirm commitments
    - Presentations to BT&H facility managers and to departmental directors outlining RCx program and requesting identification of buildings for CY06 program.
    - GAT Identified 20 candidate non-DGS managed buildings in addition to 10 DGS buildings for CY06 RCx program.
  - DGS met with SMUD to outline a tiered program focused on state buildings in SMUD territory: benchmarking, RCx, and retrofit incentives. Follow on meetings being scheduled to outline CY06 program and funding commitment.
  - DGS submitted BCP requesting \$5Million to initiate RCx and LEED-EB in state buildings.
  - RFQ for Teale Data Center completed, responses scored, negotiations in process for award of RCx contract. Funding request submitted to DOF by Teale for approval.
- Energy Star and Environmentally Preferable Purchasing
  - New Strategic Sourcing Contracts for office equipment employ Energy Star standards.
  - New lamp contract mandates purchasing of low mercury fluorescent tubes.

- EPP Best Practices Manual will provide guidance on how to select, specify and purchase EP products. The manual will be published electronically on the GreenCalifornia web site by the end of December 2005.
- The California Gold Carpet Standard is ready for implementation and establishes minimum requirements for material emissions, recycled content and manufacturer end-of life recycling.

#### Financing and Execution

- Financing and delivery mechanisms using LCC methodology to facilitate energy and resource efficiency projects.
- Mechanisms to encourage and incentivize energy efficiency projects

#### New School Construction

- CHPS Guidelines adopted to enable schools to be energy and resource efficient
- DSA providing design consultive services to school districts on use of CHPS guidelines

### **COMMERCIAL AND INSTITUTIONAL BUILDINGS**

#### CPUC Ratepayer-Supported Efficiency Programs

On Sept 22, the California Public Utilities Commission (PUC) authorized energy efficiency plans and \$2 billion in funding for 2006-2008 for the state's utilities, reaffirming that cost-effective energy efficiency is the state's first line of defense against power shortages. With this decision funding for the Governor's Green Building Initiative will increase to \$230 million per year - a 36 percent increase in annual funding for climate change efforts. These programs will place California as the most aggressive nation-state in the world in reducing energy usage and reducing the harmful emissions linked to global climate change.

#### CEC Building Benchmarking and Commissioning

CEC issued a report in Sept outlining the plan, timetable and recommendations for benchmarking California Commercial Buildings.

#### AB 549 Report

Completed

### CalPers/STRS actions

Both CalPers and STRS have announced significant program efforts to promote Green Buildings

### Real Estate Industry Leadership Council

The RILC has undertaken initiatives to explore improving the effectiveness of utility incentive programs in the commercial sector, develop an outreach proposal in conjunction with Flex Your Power, and a tool to serve as a preliminary audit of commercial buildings.