Statewide and Local Government Partnerships

1. **Projected Program Budget**: Target budget not to exceed $200 million for 2006-2008

2. **Projected Program Impacts**: Target: First year savings over 2006-2008 at least 87 MW, 471 GWh, and 8 million therms

3. **Program Cost Effectiveness**: The TRC target for the LGPs is 1.50.

4. **Program Descriptors**
   
   Market Sector: Crosscutting  
   Program Classification: Local  
   Program Status: Existing

Each of the statewide and local government partnerships (Partnerships) is outlined in individual Section 4-Program Descriptors that follow Section 13. Please see these attached descriptions for an outline of market sectors, program classifications, and status for each program as well as a general program overview. The following Sections 5 through 13 apply to the Partnerships as a whole.

With this program summary, PG&E is responding to the recommendations of the Peer Review Group Assessment for additional program detail and elaboration of strategies and approaches for the Partnership. PG&E is also committed to working with PRG/PAG throughout the development of detailed implementation plans.

5. **Program Statement**

PG&E has actively embraced partnerships with local and state governments in energy efficiency programs in recent years. These efforts have been innovative and successful and have led to significant energy savings in local government, schools, colleges, and universities throughout PG&E’s service area. In addition to the savings obtained, these partnerships have created a new paradigm for energy management in many of these jurisdictions and organizations, which has established the infrastructure necessary for long-term, permanent energy savings.

The 2006-2008 partnership portfolio consists of 17 local government partnerships (LGP) and three statewide government partnerships (SGP). The LGP participants are made up from cities, groups of cities, counties, and other local jurisdictions within PG&E’s service area. The effort is innovative in design and comprehensive in scope such that each individual LGP becomes a part of the larger whole. Although each LGP is independent, they have many common elements and will strive for continuous improvement and sharing of best practices that add to overall Partnership efficiencies and ultimately to its success.

The three SGPs consist of a renewed UC/CSU/IOU Partnership and two new partnerships: the California Community College (CCC)/IOU Partnership and the California Department
of Corrections and Rehabilitations (CDC) / IOU Partnership. PG&E will actively coordinate with the three other investor-owned utilities (IOU’s) in California for the management of SGP. The collaborative relations forged between the UC and CSU University System and the four IOUs during the 2004-2005 UC/CSU/IOU Partnership was a large part of that efforts success and will be continued and leveraged for the new cycle.

PG&E’s objectives for the Partnerships include:

- Garnering greater energy savings than would otherwise be possible through traditional demand-side management (DSM) programs;
- Extending the reach and effectiveness of PG&E’s market integrated DSM programs;
- Positioning the Partnerships to be strategic partners that help PG&E reach additional customers and impact their energy decisions;
- Take advantage of existing government infrastructure to effectively implement programs and projects; and
- Engage the Partnerships to deliver energy savings and demand reduction both through Partnership activities and as channels for PG&E’s other energy efficiency and demand reduction programs.

Local and State Government objectives for the Partnerships include:

- Gaining the ability to provide specialized energy efficiency offerings to their local communities and for their own municipal facilities;
- Informing their local communities about the wide variety of energy efficiency and demand reduction offerings available to them and encouraging participation; and
- Testing innovative technologies and practices.

A more thorough discussion of Partnership goals and objectives is contained in Section 9.

PG&E is combining the Partnership model with a market integrated approach to energy efficiency planning for the 2006-2008 Partnerships. Major markets served include large commercial, industrial, retail, hospitality, medical facilities, mass market, schools, colleges, universities. Each LGP will focus on the markets that offer the greatest opportunity for energy savings in their jurisdiction. A market-based approach is optimal because local governments are in the best position to understand the needs of local industries, business, and institutions. This approach will blend the benefits of common efforts and strategies from a larger market integrated demand side management (DSM) strategy with the local knowledge of markets and barriers to traditional energy efficiency programs.

Once the specific blend of markets and strategies has been determined for each LGP, specific budgets and energy goals will be developed. Those LGPs targeting Large
Commercial will be at least as cost effective as the aggregate Large Commercial market segment TRC, while those targeting the Mass Market will be held to the Mass Market TRC level. The target TRC for each LGP will be a blend of the TRCs for each of the market segments funding the LGP, and the TRC of all the LGPs will be at least 1.50.

6. Program Rationale

The LGPs are innovative, market-based, local and statewide energy efficiency efforts for local governments, other jurisdictions, the UC and CSU systems, the Community Colleges, and the state Department of Corrections institutions served by PG&E. The Partnerships capitalize on the vast resources and expertise of these organizations and PG&E to ensure successful and cost-effective efforts that meet the objectives of the California Public Utilities Commission (Commission) and its desire to create partnerships between local governments and the IOUs as described in Decision 05-01-055, the goals of the state Energy Action Plan to optimize energy conservation and resource efficiency, and the Governor’s Green Building Action Plan goals by assisting municipalities in the retrofit and retro-commissioning of existing buildings. The partnerships are also designed to focus on projects that serve as alternatives to supply-side resource options, to pursue the most cost-effective energy efficiency options first, and meet the call for deploying new products and services.

The partnerships are especially valuable to smaller local governments or jurisdictions that do not have the resources or expertise to plan and implement comprehensive energy programs. These partnerships, in many ways, provide the only avenue for sophisticated or innovative energy planning in many jurisdictions. The ability to share best practices and replicate successful elements in other areas helps even the largest, more energy-savvy jurisdictions.

Approximately 40 LGPs abstracts were considered by PG&E for the 2006-2008 cycle, clearly demonstrating the demand for these services. PG&E established teams to evaluate each of these abstracts and considered the following criteria before selecting the very best of many good proposals for inclusion in the portfolio: clear statements of the LGP’s goals; measurable, cost-effective energy savings; innovation; market segments served; partner roles and qualifications; coordination of delivery channels; strategies to create customer equity while maximizing energy savings; potential for DSM integration; and, leverage with other organizations – all indices of success.

Similarly, the success of the 2004-2005 UC/CSU/IOU Partnership demonstrates that there is great potential for energy savings at other similar statewide educational campuses and large institutions, such as correctional facilities. This is the rationale for the CCC/IOU and CDCR/IOU Partnerships, where similar organizations and resources exist.

The market-sector, Partnership approach also lends itself to better coordination with PG&E’s new paradigm, market integrated DSM (MI DSM). This need to match customers’ needs, local programs, and statewide strategies has been an ongoing challenge.
Market Integrated Demand Side Management  
Statewide and Local Government Partnerships

for the Public Goods Charge (PGC) funded energy programs. MI DSM offers a way to cut through the confusion and provide a more comprehensive solution to energy efficiency adaptation.

Previous PG&E Energy Efficiency Partnerships have been very successful. Seven LGPs from 2004-2005 will be renewed and ten new partnerships will be added. The UC/CSU/IOU Partnership will be renewed, with two new statewide programs for the CCC and CDCR added. This demonstrates the success and broad adaptability of the Partnerships concepts.

7. Program Outcomes

With the 2006-2008 Partnerships, PG&E will expand its 2004-2005 efforts with LGPs. The LGPs will be strategic partners that will help PG&E reach customers and impact the customers’ energy savings decisions.

The Partnerships will work to accomplish immediate, long-term peak energy and demand savings and establish a permanent framework for sustainable, long-term, comprehensive energy management programs for the LGPs and for the statewide UC/CSU/CCC/CDCR Partnerships. The desired outcome is the widespread dissemination of information, greater efficiencies in program delivery, sharing of best practices and educational tools, a leveraging of local markets and customer knowledge, and an infrastructure for the permanent adoption of processes at the local government level. A paradigm shift is desired at the local energy manager level (and in the case of the UC/CSU, CCC, and CDCR partnerships, the statewide level) for energy planning and decision making.

8. Program Strategy

PG&E believes considerable energy savings and demand reduction goals will emanate from multiyear collaborative partnerships between local governments and PG&E as well as state government and IOUs. These collaborations will leverage the strengths of local and state governments and PG&E to carry the message about demand side management and savings to government constituents who are also PG&E customers.

PG&E’s current program includes both local and statewide Partnerships with local government entities, State of California government entities and the IOUs. The 2006-2008 Partnerships will build on the experiences and successes of the 2004-2005 programs. Like the 2004-2005 programs, the 2006-2008 Partnerships will apply various elements, operating locally for LGPs and on a statewide, integrated basis for the UC/CSU/CCC/CDC Partnerships. They will provide immediate energy savings and set the foundation for long-term efforts focused on sustainability and best practices.

Current PG&E Partnerships which will be continued in for 2006-2008 are as follows:
<table>
<thead>
<tr>
<th>Partnership</th>
<th>Local or Statewide</th>
<th>Major Market Sectors Covered Under Partnerships</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Francisco Peak Energy Program (SFPEP)</td>
<td>Local</td>
<td>Mass Markets, Large Commercial, Hospitality, and Retail.</td>
</tr>
<tr>
<td>East Bay Energy Partnership (EBEP)</td>
<td>Local</td>
<td>Mass Markets, Large Commercial [Government Facilities], Industrial [Government Facilities], Retail, and Hospitality</td>
</tr>
<tr>
<td>Silicon Valley Energy Program (SVEP)</td>
<td>Local</td>
<td>Mass Markets, Large Commercial [Government Facilities], Industrial Process [Government Facilities], Hospitality and Retail</td>
</tr>
</tbody>
</table>

The following new Partnerships will be added in 2006-2008:

<table>
<thead>
<tr>
<th>Partnership</th>
<th>Local or Statewide</th>
<th>Major Market Sectors Covered Under Partnerships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Madera Energy Alliance (MEA)</td>
<td>Local</td>
<td>Mass Markets &amp; Large Commercial [Government Facilities]</td>
</tr>
<tr>
<td>Merced/Atwater Energy Partnership (MAEP)</td>
<td>Local</td>
<td>Mass Markets</td>
</tr>
<tr>
<td>San Joaquin Energy Intelligence Quotient (SJEIQ)</td>
<td>Local</td>
<td>Mass Markets, Large Commercial [Government Facilities], Industrial Process [Government Facilities], Hospitality and Retail</td>
</tr>
<tr>
<td>Santa Barbara County Partnership (SBCP) (with SCE and SCG)</td>
<td>Local</td>
<td>To Be Determined</td>
</tr>
<tr>
<td>Silicon Valley Leadership Group (SVLG)</td>
<td>Local</td>
<td>Large Commercial, High Tech and Industrial Process</td>
</tr>
<tr>
<td>Sonoma Energy Partnership Program (SEPP)</td>
<td>Local</td>
<td>Large Commercial, Large Commercial [Government Facilities], Industrial Process, Industrial Process [Government Facilities], High Tech, Ag and Food Processing, Retail, Medical, and Schools</td>
</tr>
<tr>
<td>California Community Colleges (CCC/IOU) Partnership</td>
<td>Statewide</td>
<td>Large Commercial [Government Facilities], High Tech [Government Facilities], Schools, Colleges, and Universities</td>
</tr>
</tbody>
</table>
Market Integrated Demand Side Management
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California Department of Corrections and
Rehabilitations (CDCR/IOU) Partnership
Statewide
Large Commercial (Government Facilities), Medical
(Government Facilities), and Industrial Process
(Government Facilities).

Local Government Energy Action Resources
Local
Various

Brief profiles for each of the above Partnerships are presented in later sections.

The primary implementing strategies of both the LGPs and SGPs are listed below in detail. Strategies listed below are not all inclusive but are presented to provide an idea regarding the extent and focus of these strategies. In addition, many of the partnerships have creative and effective offerings tailored to the unique needs of their markets and customer base. A sampling of these partnership niche efforts are listed below as well.

Primary Statewide Government/IOU Partnership Strategies

Supporting the Governor’s Green Building Initiative by leveraging of Statewide Government/IOU Partnerships
To assist the California state government achieve its aggressive energy conservation and energy efficiency goals set fourth in the Governor’s Green Building Executive Order S-20-04 (Order) and to help meet the Commission’s long-term energy targets, PG&E is fully committed to work in partnership with the California Department of Corrections and Rehabilitations (CDCR), University of California (UC), California State University (CSC), California Community Colleges (CCC), and IOUs to help these state government entities achieve greater energy savings and peak demand reduction that would not otherwise be accomplished.

These state government/IOU partnerships will build upon the 2004-2005 UC/CSU/IOU Partnerships by providing a portfolio of energy savings and management offerings that are carefully aligned with specific needs of state government and in keeping with PG&E’s Market Integrated DSM model. The state government/IOU partnerships will cut across a number of market segments, including commercial, high technology, medical, industrial, colleges and universities. Where possible and practicable, competitively bid third party services will be skillfully integrated with those offered by the IOUs to increase state government/IOU partnerships effectiveness by combining state-of-the art innovation with utility experience.

The state government/IOU partnerships will make available to eligible state government entities a simplified entry portal into a tailored array of Market Integrated DSM services and financial incentives such as:

- **Co-Funding of Energy Efficiency, Load Management and Renewable Generation Project Costs** – designed to encourage and help offset state government capital investments in integrated energy savings and demand reduction projects, such as
facility retrofits, new construction, monitoring based commissioning (MBCx), self-generation and demand response;

- **Design Consultation and Energy Analysis** - to encourage a comprehensive approach towards energy efficiency, in both building design and operations to optimize energy and environmental performance of new facility construction and extensive rehabilitation projects. Will leverage the university systems and community colleges new construction funding (approximately $19 billion) to achieve increased energy savings and minimize lost opportunities;

- **Governor's Green Building Initiative Executive Order Compliance Assistance and LEED Certification** – that will include design assistance and management consultation to formulate strategies and action plans that will help state government partners comply with the Order and become LEED Certified. Additionally, building energy usage benchmarking tools and services will be available to assess efficiency relative to similar facilities and to help identify potential retrofit and building retro-commissioning, or operational change opportunities that will save energy;

- **Operations and Maintenance Best Practices Training and Certification** – that will include building commissioning training and case-study demonstration projects, a customized building operator certification program for building operators, as well as similar training and education activates;

- **Co-sponsorship of Vocational Education and Training Program** for students and/or working technicians in the trade – to develop and fund a curriculum for energy management technicians, including such things as refrigeration/HVAC service and installation, duct testing and sealing training, energy code requirements and compliance, lighting retrofits, others; and

- **Design, co-funding, promotion and evaluation of emerging technology demonstration projects** to showcase promising technologies.

PG&E believes these state government/IOU partnerships can be positioned as flagships that contribute substantial cost effective energy savings to its energy efficiency portfolio objectives and models for achieving energy efficiency resources that others will want to emulate.

*Energy Efficiency Retrofits*

Energy efficiency retrofit projects will provide cost-effective energy savings during the 2006-2008 program implementation period. Many jurisdictions and the campuses have an existing and extensive inventory of potential cost-effective energy saving measures as well as many new projects developed as part of the 2004-2005 program cycle. This inventory will be reviewed and finalized during the initial stages of the partnership to finalize an implementation plan and schedule. For renewed partnerships, projects that were started in the previous cycle will be completed. Most of the measures installed will be common energy efficiency measures eligible for payment under PG&E’s deemed and calculated savings
offerings. Some measures may be unique to the LGP partnerships. In addition, the incentive payments provided under the LGP may cover the full installed costs of projects.

**Monitoring Based Commissioning (MBCx)**
Pioneered with the UC/CSU/IOU Partnership in 2004-2006, the MBCx element is a unique approach to obtaining savings that combines the expertise of the various facility management staff, additional utility and subcontractor expertise, and the installation of energy monitoring and metering equipment at a building’s sub-meter and system level. Until the establishment of this element in the 2004-2005 cycle for the UC/CSU/IOU partnership, almost every retro-commissioning program has consisted of a one-time review of building operations, installation of equipment control measures, one or two training workshops, and possibly development of commissioning documents. The approach of this portion of the partnership is far different. It includes the usual first step, a review of building operations and installation of equipment. However, it goes beyond the typical project to date in three aspects.

First, the organizations that participate will install sufficient equipment to insure an extensive and comprehensive built-in measurement and verification capability. Second, this element will be combined with energy efficiency education and training to become a continuous commissioning effort that becomes institutionalized at each participating institution. In this way, savings will be sustained well beyond those from the more typical and limited retro-commissioning. Third, the component will use the participating organizations’ facilities management staff or outside experts to identify new cost-effective retrofit opportunities efficiently and at low cost.

The Monitoring Based Commissioning projects implemented in the UC/CSU/IOU Partnership during the 2004-2005 cycle have been thoroughly reviewed and evaluated for effectiveness; best-practices have been documented and processes will be streamlined for MBCx activities during the 2006-2008 cycle.

**Education and Training**
The education and training element will provide locally based energy efficiency, demand reduction, technology, and energy efficient design education and training. The primary vehicles for training and dissemination of information will be a series of training sessions and workshops (covering such topics as new construction, building operator training, energy efficient retrofits, retro-commissioning, and monitoring based commissioning) to be held locally for the LGPs and in northern and southern California for the statewide partnerships. Course offerings, curriculum and content will be developed in consultation with each partnership team and will draw on the extensive training curriculum available at the IOU’s energy centers, partner facilities, and state agencies.

**New Construction Assistance**
Primarily focused on the CCC/IOU Partnership, the New Construction Assistance element of the program will assist the California community colleges as they embark on a major construction cycle associated with bond funding as approved by Proposition 39. There are many demands on the budgets associated with these projects, and it is likely that the buildings will be built to Title-24 minimum standards for energy efficiency without input from the IOUs that exceeds that available through general new construction programs. The needs of the CCC are both specific and vast and this element capitalizes on a unique window of opportunity to optimize the efficiency of millions of square feet of new building stock that will be added in the State of California over the next five years.

New Construction Assistance will include design review, development of design guidelines and equipment specification standards, and incentives for the incremental cost of energy efficiency measures in new construction projects. It will provide a uniform, statewide approach that will offer the CCC consistency and ease-of-access not available from standard efforts like Savings by Design. It will directly focus on the CCC system’s needs in implement the Governor’s Green Building Initiative Executive order and LEED certification.

Although targeted to the CCC program, the New Construction Assistance element can be deployed to LGPs or other statewide participants that have a significant new construction element.

Work is ongoing to refine the program elements and consider sub-elements to best meet the needs of the LGP, statewide participants, and utility partners. Additional detail will be provided with the program implementation plan submittal.

**Residential and Small Business Direct Install**
PG&E will select a prime contractor to provide direct installation of energy efficiency measures in residential households and multifamily dwellings. PG&E will work with its local government partners and prime contractor to enlist local subcontractors to install measures. Local government partners will select areas to be targeted, which are expected to be in economic development areas or areas where English is not the primary language. Direct install elements are generally more expensive than rebate or informational offerings so direct install will be limited in terms of participation and budgets.

**Specialized Marketing and Outreach**
PG&E has had great success with the Bakersfield and Kern County Energy Watch by using local radio and television, display tables at home improvement centers, and display tables and booths at the county fair, street fairs, business conferences and other local events to promote Energy Watch services as well as statewide energy efficiency Offerings. This marketing and outreach approach may be used in other LGPs as needed.

**Codes and Standards**
PG&E’s Partnerships may include training classes on codes and standards targeting code officials and local builders and developers. Some local jurisdictions are interested in
implementing residential or commercial energy conservation ordinances. PG&E will provide technical support and analysis as well as sample ordinances to those jurisdictions.

Home buyers
Some LGPs will provide specialized services to home buyers which may include an energy audit of the recently purchased home and free energy efficiency measures such as compact fluorescent lamps (CFLs).

Energy Audits and Technical Services
Residential and business energy audits may be offered to residents and businesses in participating local jurisdictions. Technical services will be offered to both government facilities and to larger commercial/industrial customers within targeted geographical or economic development zones where needed to allow those customers to move forward with energy efficiency investments.

The following are conceptual highlights of Program Strategies from several of the LGP participants for 2006-2008:

**ABAG Local Government Energy Partnership (LGEP)**
The ABAG Facility Services will provide the technical and delivery assistance to member agencies that currently are barriers to many jurisdictions that would like to implement energy projects. This was an extremely successful element from the 2004-2005 cycle and assisted many local governments with energy efficiency projects. A new element for 2006-2008 will be a re-commissioning offering for municipal facilities. Through 2004-2005, the LGEP team found a significant number of cases where municipal facilities were performing below their potential and could benefit from a re-commissioning process. Working with PG&E and the experience gained from the UC/CSU/IOU Partnership Program, this LGP will develop a re-commissioning or monitoring based commissioning (MBCx) process for improving and optimizing building operation. In order to ensure persistence of recommissioning savings, LGEP will add a software-based utility accounting management tool that will allow the LGEP team to track the comprehensive results from the re-commissioning as well as other LGEP energy efficiency and cogeneration.

The PG&E program management team will work with LGEP to bring in the best practices from the very successful 2004-2005 UC/CSU/IOU Partnership MBCx element.

**Community Energy Services - ABAG Local Government Energy Partnership (LGEP)**
Another successful element from 2004-2005, the LGEP team will continue to help local governments develop energy policies and offerings to generate community-wide energy savings. LGEP assisted several communities with sustainable energy plans and the development of energy elements for general plans in the last cycle. LGEP will also provide workshops on energy topics relevant to local government decision-makers and facility staff.

**B.E.S.T. – East Bay Energy Partnership (EBEP)**
Returning from 2004-2005, B.E.S.T. is an innovative incentive offering specifically designed to overcome market barriers and achieve market penetration of energy efficient equipment in small and very small businesses (100 kW or less). The B.E.S.T. element offers a turnkey approach that is designed to minimize customer hassle and transaction costs. The primary focus of this incentive is to maximize the implementation of cost-effective high-efficiency lighting measures while also providing small commercial customers with the opportunity for comprehensive retrofits including refrigeration, HVAC and customized measures. Modifications to the 2006-2008 program will include reduction in the number of on-site audits and increasing the customer size limit for refrigeration measures to 500 kW.

**Building Tune-Up (BTU) - East Bay Energy Partnership (EBEP)**
The building tune-up (BTU) provides cost-effective, lasting energy and demand savings through re-commissioning or monitoring based commissioning (MBCx) of existing nonresidential buildings. The BTU and MBCx services will consist of identifying and implementing changes in building controls, HVAC systems, and related systems to reduce energy use while maintaining comfort and health objectives. Furthermore, it provides a value-added energy management plan, which outlines additional cost-effective retrofit opportunities, beyond the low- and no-cost options associated with the core MBCx element. Finally, the MBCx maximizes the installation of all appropriate cost-effective measures by providing an independent, in-depth assessment of opportunities coupled with consistent customer support throughout the entire project development and installation process.

The PG&E program management team will work with EBEP to apply the best practices from the very successful 2004-2005 UC/CSU/IOU Partnership MBCx element to this LGP effort.

**Education Partnership with the Pacific Energy Center (PEC) - Silicon Valley Energy Partnership (SVEP)**
The SVEP will continue the successful 2004-2005 partnership between PG&E’s Pacific Energy Center (PEC) and the City of San José Green Building program. SVEP will conduct courses, to be held in San José, planned through the PEC. The South Bay location provides convenient access to students located in south Bay Area cities and Monterey County. PG&E and the SVEP will work together to implement the courses, developing workshop content, recruiting speakers and conducting marketing and implementation activities. The PEC will advertise courses through the calendar and track enrollment. The SVEP will provide the class site and all local coordination services.

**Climate Action Plans (CAP) – Silicon Valley Integrated Energy Partnership (Silicon Valley Leadership Group)**
The Silicon Valley Leadership Group, working with the Sustainable Silicon Valley (SSV) organization, will help develop plans for participating SSV members to meet their goals and agreements with SSV for Green House Gas (GHG) reduction. SSV has set a regional CO2 reduction target of 20 percent of 1990 levels by 2010. Participants commit to their
own targets to help meet the regional goal. These goals will be formalized in a Climate Action Plan (CAP) and linked to a specific element, third party or PG&E-offered energy efficiency and demand response projects to achieve the goals.

**Marin Public Facilities Energy Management Team (MarinEMT) – Marin County Energy Partnership (MCEP)**
The Marin County Energy Partnership (MCEP) will continue and expand its successful Marin Public Facilities Energy Management Team (MarinEMT) from 2004-2005, and add a new community-wide partnership element leveraging the PG&E and third party energy efficiency offering. The MarinEMT concept is premised on delivering cost-effective, comprehensive and persistent energy savings through aggregation of smaller local governments, schools and other public agencies that have been difficult to reach with traditional programs. This element provides continuity in the implementation of energy efficiency measures through continued technical, financial, management and administrative assistance, and support for peer networking, team building and staff training. MarinEMT will also focus on operations and maintenance, procurement and vendor training. For new participants, MarinEMT will also provide initial assessments, facility benchmarking and audits, set up energy accounting, identify initial and longer term opportunities, and training.

**Community-Wide Energy Efficiency - Marin County Energy Partnership (MCEP)**
The Community-Wide Energy Efficiency element will leverage Marin County’s current Green Building, Green Business, and other public outreach channels to increase participation of existing PG&E and PG&E’s third party programs. MCEP works closely with the Marin Small Business Energy Assistance program and will collaborate to target more Marin businesses and increase the percentage of energy efficiency projects installed. MCEP will work with Marin County’s water districts to coordinate and integrate water conservation programs reducing overall program costs and increasing energy savings through water conservation. In addition, a residential realtor component will help to educate the real estate industry about energy efficiency and associated cost savings for customers. This offering will help Marin County work with realtors toward the eventual adoption of Time of Sale Residential Conservation Ordinance within the next three years.

**9. Program Objectives**

Many goals are exclusive to each partner, but accomplishing individual goals also achieve the over-arching vision for the partnership effort. The achievement of immediate, long-term energy and peak demand savings and the establishment of a permanent framework for a sustainable, long-term energy management programs for the LGPs and for the statewide UC/CSU, CCC, and CDC Partnerships.

A description of the goals objectives are as follows:

**PG&E Objectives**
• To garner greater energy savings than would otherwise be possible through traditional DSM programs. This could be achieved through a mass market approach located within economic development zones, rented or leased spaces, rural areas or areas where the primary language may be other than English, city, county and state governments that occupy and operate public facilities. This would also apply to special utility districts and large institutions such as state college and university systems, community colleges, and school districts.

• To extend the reach and effectiveness of PG&E’s DSM programs by using local government organizations, communication and outreach channels to achieve broad penetration of energy efficiency services in the local community. In addition, program co-sponsoring of education and training for customers and working technicians in the refrigeration/HVAC service and installation trades, duct testing and sealing, energy code requirements and compliance, lighting retrofits, and others.

• Position LGPs to be strategic partners that help PG&E reach additional customers and impact their energy decisions. Engage the LGPs to deliver energy savings and demand reduction both through partnership activities and as channels for PG&E’s other energy efficiency and demand reduction programs.

Local Government Objectives

• The ability to provide comprehensive energy efficiency programs to their local communities and for their municipal facilities;

• Inform their local communities about a wide variety of energy efficiency and demand reduction programs available to them and encourage participation; and

• To test innovative programs.

Statewide Government Objectives (UC/CSU, CCC, and CDC)

• Immediate, cost-effective energy and demand savings. Retrofit projects will be efficiently implemented to meet or exceed all savings goals as outlined in the program economics.

• Improved energy efficient operations and maintenance practices. Campus and facility energy managers and other staff will be trained on initial and continuous commissioning and will receive tools to reduce energy consumption and peak demand through energy information at the building systems level.

• Facility staff and energy managers trained to identify and implement energy efficiency opportunities. Programs will address training of energy managers, building operators, project managers and other staff in use of a best practices methodology for identifying and implementing energy efficiency.
• Help achieve objectives of the Governor’s Green Building Initiative. These state government/IOU partnerships will provide a portfolio of energy savings and management offerings that are carefully aligned with specific needs of state government and in keeping with PG&E’s market integrated DSM model.

10. Program Implementation

The 2006-2008 Partnerships will utilize and build upon the implementation strategies employed in the 2004-2005 UC/CSU/IOU Energy Efficiency Partnerships, as well as apply the more successful strategies from the LGP programs from the last cycle.

Several of the implementation strategies currently planned are discussed below. A more detailed description of these implementations tasks will be provided to the PRG as PG&E works with its partners to develop specific program implementation plan for each partnership. The partnership descriptions shown below will be modified as needed to reflect availability of services from existing third party programs and other offerings. The existing Building Tune-up or Wastewater Optimization elements, for example, might be available through the PG&E service area during 2006-2008, and hence specific partnerships may not need to fund those program elements for a specific geographic area.

The statewide campus and correctional system partnerships will build on the successful strategies used in the 2004-2005 UC/CSU/IOU Partnership, with refinement to account for progress underway. Many of these will also be applied to the LGP partnerships. These include:

• Coordination with other energy efficiency programs and ongoing campus projects;

• Energy efficiency retrofit program element implementation (including project selection and implementation);

• Facility monitoring based commissioning implementation;

• Energy efficiency education and best practices development and training implementation;

• The Program recognizes the need to develop additional implementation strategies to create greater efficiencies within the LGP model. Several under consideration including:
  o Establishment of an LGP Advisory Group to facilitate communication, coordinate roll-out of programs, training, and sharing of experiences and best practices across the LGPs and PG&E;
  o Development of common program modules that can be mixed and matched to meet the needs of each LGP;

• Explore opportunities to work on joint projects (e.g., niche upstream offerings that need a regional approach); and

• Sharing of innovative implementation strategies to other LGPs.
11. Customer Description

The UC/CSU and CCC campus facilities, the CDC facilities in the four IOU service areas and the local governments and jurisdictions in the PG&E service area are listed in the summary table found in Section 8. More details descriptions of the customers targeted in each program are included with the individual partnership summaries.

12. Customer Interface

For the statewide (UC/CSU, CCC, and CDC) partnerships, the 2006-2008 offerings will utilize the same program management and team interface structure that was established for the UC/CSU/IOU partnership for 2004-2005. UC/CSU and the four IOUs have formed a partnership to manage and implement the UC/CSU Energy Efficiency Partnership. Staff from each utility, from both UC and CSU, and a consultant administrator will be responsible for the successful execution. The 2006-2008 partnership will benefit from the significant progress that has been made during the previous cycle in developing processes and improving communication between the many partner organizations.

The LGPs will interface directly with their internal organizations, constituents, and customers in their jurisdictions. To reduce some of the confusion and duplication of effort that sometimes occurs between statewide, local and the traditional PG&E partnerships, the program will design a communication structure and a process for coordination of services that will optimize the LGPs, PG&E Account Services, other PG&E delivery channels, third party programs, other LGPs and other IOU’s. An example of this will be the LGP Advisory Group discussed above, which will work to coordinate offerings and common goals.

In addition, PG&E will work closely with the other IOU’s in the implementation of the statewide and LGPs, such as Bakersfield and Santa Barbara, involving multiple utilities.

13. Energy Measures and Program Activities

13.1. Measures Information

Measure information for each partnership will be provided in the corresponding cost-effectiveness calculator and portfolio workbooks that accompany future detailed program implementation plans.

The various partnerships encompass a full range of traditional and innovative energy efficiency measures.

13.2. Energy Savings and Demand Reduction Level Data
Energy savings and demand reduction information for each partnership will be provided in corresponding cost-effectiveness calculator and portfolio workbooks that accompany future detailed program implementation plans.

13.3. Non-energy Activities (Audits, Trainings)

Implementation of the various partnerships will involve non-energy activities such as making presentations, attendance at conferences, meetings, community fairs, outreach events, distribution of marketing materials, on-site meetings, green campus education programs, and training classes. These are specified in more detail in the LGP descriptions.

The training and education component of the partnerships for the statewide programs (UC/CSU, CCC and CDC) involves training of campus and facility design staff, project managers, energy managers and others on using best energy practices in the construction, retrofit, and monitoring based commissioning of campus buildings and central plant infrastructures. This will continue progress made on the establishment of a statewide approach to training and building operation so that this best energy practices approach can be used for ensuring long-term energy efficiency savings. The training and education component will work hand-in-hand with the first two program components—energy retrofits and retro- and continuous commissioning.

The training and education component for LGPs involves locally based training classes. PG&E’s Pacific Energy Center, Energy Training Center at Stockton, and the Food Service Technology Center all have expansive curricula on energy efficiency. These curricula will be delivered locally to participating cities, counties and agencies, and additional classes addressing specific local needs will be developed and offered.

13.4. Subcontractor Activities

Each LGPs anticipates needing subcontractors, some of which are detailed in the summaries.

In the statewide partnership, the campus facilities management staff will play a major role in this component with the assistance of subcontractors, particularly in campuses in their commissioning efforts and for implementation of energy efficiency retrofits. A subcontractor will also be used to oversee management and assist with day-to-day administration. This approach was used successfully in the previous cycle.

13.5. Quality Assurance and Evaluation Activities (including EM&V)

PG&E, working with its LGP and statewide management staff, will establish and oversee quality assurance measures for the various programs, including oversight and verification of subcontractor activities. These procedures and the associated reporting will be developed in more detail in future plans. In general however, PG&E will continue the level of due diligence and quality assurance of its present
energy efficiency offerings, including a representative percentage of pre/post installation confirmation inspections for small hardware projects, and pre/post inspections on all large or specialized projects hardware projects (installation of energy efficient equipment, facility retrofits, and building commissioning and new construction projects).

PG&E, working with its LGP evaluation staff, will establish and oversee quality assurance measures for the various programs, including oversight and verification of subcontractor activities. These procedures and the associated reporting will be developed in more detail in future program plans.

Where possible and practicable, PG&E will enlist the support of its local government partners to conduct pre/post installation confirmation inspections for small hardware projects using building department officials or other qualified local government staff. For large or specialized project verification, review and quality assurance, PG&E will enlist the support of independent technical consultants. PG&E will review and quality-check both local government staffs’ and PG&E technical consultants’ reports and customers’ applications.

The program EM&V effort will be completed by independent subcontracts. Associated EM&V plans will be based on the Commission’s objectives as outlined in the Energy Efficiency Policy Manual (EE Policy Manual), and adhere to the guidelines in the International Performance Measurement and Verification Protocol (IPMVP). This plan will continue to use the existing EE Policy Manual and established EM&V methods while the EM&V Protocols and Framework are being completed. When these are completed, a detailed EM&V plan will defer to the EM&V Protocols and framework as appropriate to evaluate the program’s success. The detailed plan will be developed and implemented by an independent evaluation firm or firms.

The primary purpose of the proposed evaluation will be to provide measured results in the form of achieved levels of energy and peak demand savings by the program. Either in this evaluation or in an over-arching statewide study, the ex ante energy and demand savings estimates will be reviewed, and new ex post estimates will be developed if additional measurement is needed to assure accurate savings estimates. Savings estimates will be updated to reflect the best available information, as needed. The success of the program will also be gauged by a process evaluation that will focus on streamlining the efficiency and enhancing the value of this partnership program, and based on the outcomes of the 2004-2005 M&V study of the LGP and the UC/CSU Partnership.

- Process Evaluation: This task will include evaluation of program delivery mechanisms, marketing and delivery channels, timelines and customer satisfaction. The research will provide ongoing feedback and corrective guidance regarding program implementation through customer behavior and market actor
studies, and it will measure indicators of the program effectiveness. Surveys undertaken as part of the process evaluation are likely to include participating and non-participating customers and trade allies. The evaluation will gather data during the program interventions review and conduct quality assurance on the data. Supplemental data will also be collected as needed to carry out the analyses to determine the successfulness of the program.

- **Interim Impact Assessment and Feedback Analyses**: These tasks will provide ongoing feedback to program managers on the impacts being achieved. Focus will be on identifying early on both measures that are capturing large savings opportunities and those that are not progressing; to enable timely program changes.

13.5.1. **Expected Number/Percent of Inspections (planned percent of projects)**

The sampling and inspection activities will be developed at a later date as part of EM&V plans for the individual programs.

13.5.2. **Expected Number/Percent of Inspections (planned percent of projects)**

The sampling and inspection activities will be developed at a later date as part of EM&V plans for the individual programs.

13.6. **Marketing Activities**

During the 2004-2005 cycle, the UC/CSU/IOU team established communication network with campus energy managers and staff. This model will be emulated for the other Statewide programs in 2006-2008.

The LGPs will utilize a variety of marketing efforts to reach the end use customers. This may include utilizing existing IOU infrastructure, such as statewide outreach and rebate processing, specialized marketing and outreach services, and unique local government resources that will increase the saturation and reach of marketing efforts. The local governments have unique local communication channels including local government mailings, religious and ethnicity-based organizations, and tenant and landlord associations. This marketing strategy ensures that more customers will be aware of and participate in both the city-administered aspects of this partnership (e.g., direct install, free energy clinics and energy audits, seminars, financial incentives and similar activities) as well as statewide PG&E and third party programs.
San Francisco Peak Energy Partnership (SFPEP)

4. Descriptors

Market Sector: Mass Market, Large Commercial, Hospitality, Retail, and Industrial
Program Classification: Local
Program Status: Revised Existing

The San Francisco Peak Energy Program (SFPEP) will be a partnership effort to achieve PG&E’s electric and natural gas goals for residential and non-residential customers in San Francisco. The Department of the Environment (SFE) will be the lead agency for the City of San Francisco and is positioned well to help PG&E on smaller commercial accounts and special areas of residential customers (Mass Market), while PG&E will focus on larger customers and all other residential customers, so that SFPEP reaches all customer classes. Media events and presentations, and will involve staff from both PG&E and SFE.

SFPEP will target markets with high potential in San Francisco, i.e., offices, retail (with emphasis on food service), and lodging. Multifamily buildings will dominate the residential effort in the first year while performance testing of single family homes and flats is conducted to determine the most effective retrofit approaches for the city’s older and uncommon housing stock. Information garnered from all efforts will be assessed for introducing new codes and standards and/or special initiatives to move the market in subsequent years to accommodate customer needs.

One approach under consideration is a contract with a local firm to assist in providing turnkey services, which may include providing incentives for peak savings and comprehensive measures. This entity would develop a pool of local qualified service providers. Contractors and vendors would be recruited for training and successful candidates maintained on a referral list. A strict quality control system would be employed and will require post-installation inspections. Training for city building and health inspectors may be included to help them identify potential energy-savings opportunities.

The partnership plans to study the development of a tracking system on small and medium customers which could be shared with all contractors, in order to provide comprehensive service over time.

There will be crosscutting market impacts and opportunities to introduce emerging technologies and/or targeted high potential measures. For example, pilots programs for garage occupancy sensors and for outdoor lighting that will reduce winter peak are under consideration as well as, ice machine retrofits and load shifting opportunities, developed in consultation with the Food Service Technology Center. Solar water heating might also be added as a targeted measure, if authorized by the Commission.
Aggressive energy savings goals for San Francisco have been set based on San Francisco's Electricity Resource Plan (2002) and a subsequent study, The Climate Action Plan. The measures for success need to be both short- and long-term. With a 3-year cycle, there will be annual milestones leading to the 3-year program savings goals, plus savings that will be manifest beyond 2008. Savings goals would grow incrementally over the three years. Deliverables will include reports of customers contacted, audits, installs, events, etc. Other measures of success would include market transformation as a result of innovative approaches (price reduction and market saturation level); documented savings resulting from C&S; early retirement of inefficient equipment, and; energy efficiency combined with green building and distributed generation projects.

SFPEP's efforts will focus on comprehensive gas and electric savings for the mass market private sector. On the commercial side, the targeted markets will be small and niche market customers in Retail (general retail, restaurants/food service, and convenience stores), Office Buildings, and Lodging. Multifamily targets will include senior residences, condos, and low-income buildings. Municipal facilities are not served by PG&E and not eligible customers for this partnership.
Association of Bay Area Governments (ABAG) Local Government Energy Partnership (LGEP)

4. Descriptors

Market Sector: Large Commercial and Industrial
Program Classification: Local
Program Status: Revised Existing

By the end of the 2004-2005 Commission energy efficiency program cycle, the current Local Government Energy Partnership (LGEP) program will have assisted 35 small- and medium-sized local governments in achieving energy and cost savings by implementing energy efficiency projects in public facilities and helping local governments create community-wide energy savings. The proposed 2006-2008 partnership builds on this success.

LGEP developed and implemented an effective framework for local agencies to 1) become better informed of the energy efficiency potential within their agency, 2) obtain the necessary tools and services to develop cost-effective, energy efficiency projects, and 3) access necessary funding, incentives and rebates in order to complete cost-saving projects. With an extension of this program through 2008, this program will have a significant impact on the statewide goals set by the Governor’s office (Executive Order S-20-04), California Public Utilities Commission (Energy Action Plan), and PG&E’s Integrated DSM Program portfolio by helping local governments overcome market barriers and increase the level of energy efficiency.

The LGEP program may include a number of innovative program elements. The Facility Services element provides comprehensive, sustained technical services to help make improvements in public facilities. The approach is designed to leverage other funding sources and avoid duplicating services offered by other programs. The LGEP program will provide those services and then funnel the project into the appropriate PG&E incentive program. For the 2006-08 program cycle, ABAG proposes to add a new service for recommissioning using data tracking to monitor savings and ensure persistence to allow participant and program managers the ability to track and validate the effectiveness and persistence of all LGEP Facility Services. The Community Energy Services element will continue to help local governments develop energy policies and programs to generate community-wide energy savings, for Mass Markets and other Market Program Sectors. LGEP will also provide workshops on energy topics relevant to local government decision-makers and facility staff. Additionally, the program promotes relevant workshops and seminars conducted by utilities and other groups.

The LGEP Program will contribute to the cost-effective portfolio by developing and referring individual energy-saving projects/policies to the applicable programs within PG&E’s Integrated DSM portfolio. The LGEP program will be flexible and target services to small local governments that historically have not tapped their energy efficiency potential, provide sustained technical services so that projects actually get built, break down market barriers, and assist local governments to implement projects that would not otherwise happen.
**Association of Monterey Bay Area Governments (AMBAG) Energy Watch Partnership**

4. **Descriptors**

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The Association of Monterey Bay Area Governments (AMBAG) and PG&E propose a new partnership to serve Monterey, Santa Cruz and San Benito counties modeled after PG&E’s successful Bakersfield & Kern County Energy Watch partnership. The AMBAG Energy Watch partnership would replicate this success in the AMBAG area.

The partnership would serve residential and commercial customers, including the public sector, in the counties of Monterey, Santa Cruz and San Benito, and the 18 cities in those counties. Residential and business customers in economic development areas in selected cities and county areas would be offered direct installation of energy efficiency measures, while home buyers and municipalities throughout the area would be offered energy audits, design assistance and financial incentives for energy efficiency retrofits and building commissioning.

The Energy Watch Partnership will provide the following services:

- **Direct installation of energy efficiency measures in single family and multifamily dwellings in selected areas, as determined by the local city and county**

- **Municipal Building Retrofit Program:**
  - Assist cities and counties to identify municipal buildings needing energy efficient retrofits or design assistance for new buildings;
  - Provide funding for such retrofits;
  - Assist in identifying other sources of funding available to cities and counties; and
  - Work with other programs targeting municipalities, such as the Local Government Energy Program

- **Homebuyers Program:**
  - Conduct home energy audits and install low cost energy efficiency measures (programmable thermostats and CFLs were installed in 2004-2005 for the Bakersfield & Kern County Energy Watch program);
  - Operate as a clearinghouse for all phone requests from residential customers served by the partnership; and
  - Refer qualifying homebuyers to other programs as appropriate

- **Small Business Program:**
For small business customers, canvass targeted areas to sign up small business customers;
Hire, train, and supervise energy auditors;
Arrange for energy audits;
Hire, train and supervise equipment installers; and
Purchase and store needed energy efficient measures

Marketing and Outreach:
Develop marketing plan based on partners’ needs and input;
Design and produce partnership brochures, radio and television commercials;
Attend local events and staff an outreach booth/table to promote the partnership services; and
Create, print and store partnership marketing materials

Use existing city/county channels (tax bills, web sites, etc.) and AMBAG channels (meetings, association communications, etc.) to market and promote Partnership services.

The AMBAG Energy Watch partnership will coordinate its services with other activities provided by the participating cities, county and PG&E to provide information to customers on all programs for which they might be eligible (CARE, demand response, community block grant assistance, etc.) The marketing and outreach campaign will educate non-residential and residential customers about other statewide energy efficiency programs, and the local utility staff will assist customers to benefit from of such programs.
East Bay Energy Partnership (EBEP)

4. Descriptors

Market Sector: Mass Market, Large Commercial, Retail, and Hospitality
Program Classification: Local
Program Status: Revised Existing

The East Bay Energy Partnership Program (EBEP) is an existing PG&E Local Government Partnership. This proposal builds on the most successful elements of the 2004-2005 program and creates a more integrated portfolio through the addition of new program elements, increased coordination with PG&E’s existing programs, and more aggressive leveraging of municipal resources. In addition to Contra Costa and Alameda Counties, the EBEP has secured participation commitments from the City of Vallejo, expanding EBEP to include the County of Solano. With the addition of fast growing Solano County, the EBEP will be providing services to a total population of 2,874,502, or over 20 percent of PG&E’s residential customers. EBEP programs will access over 65,000 non-agricultural businesses in coordination with existing PG&E programs to assure complete coverage of all business types.

Along with successful past program offerings, EBEP expects to include the East Bay Municipal Utilities District (water and wastewater) as a partner, offer assistance with City conservation ordinances, and use the Berkeley/Oakland Clean Energy Fund (a $50-100M privately placed capital loan program aimed at efficiency and demand response) to cost-share energy efficiency improvements. EBEP will include a cross program component to assure demand response, self-generation and longer term efficiency plans are supported as part of the EBEP customer commitment.

For 2006-2008, the EBEP program elements may include: residential direct install services for targeted areas, a special information program that provides audits, conservation education, and rebate assistance to residential clients), RECO + or (Residential Energy Conservation Ordinance Plus), innovative incentive or direct install program specifically designed to overcome market barriers and achieve market penetration of energy efficient equipment in small and other similar businesses not optimally served with traditional programs), energy audits, financial incentives and energy-efficiency equipment installations, to deliver gas and electric savings to assisted living and convalescent facilities occupied primarily by senior citizens), a focus on religious institutions to deliver commercial and residential energy savings by providing services and performing outreach through congregations of various faiths, commissioning of existing nonresidential buildings to provide cost-effective, lasting energy and demand savings, and possibly municipal street lighting retrofit programs.

These various program elements will be implemented to deliver energy and demand savings as well as meet the following objectives:

- Focus on comprehensive, persistent and cost-effective savings through long-term relationships with customers;
• Foster long-term relationships through customer service, superior quality control, and ongoing communication;

• Provide seamless, hassle-free access for customers to appropriate programs (PG&E, third party, and local government programs);

• Identify program gaps and work with PG&E to fill those gaps so that more customers are served; and

• Promote market transformation by building supply-chain relationships.
Silicon Valley Energy Partnership (SVEP)

4. Descriptors

Market Sector: Mass Market, Large Commercial, Retail, Industrial, and Hospitality
Program Classification: Local
Program Status: Revised Existing

The Silicon Valley Energy Partnership (SVEP) will be a collaborative effort between the City of San José (the City) and PG&E to build upon the successful 2004-2005 SVEP partnership. The City and PG&E will work together with all parties to continue successes realized in the 2004-2005 SVEP partnership and modify the existing program elements to more closely align design and implementation activities to ensure that PG&E will meet its 2006-2008 portfolio objectives. SVEP 2006-2008 will continue to create long-lasting energy and demand savings for local governments, businesses, community organizations and residents of Santa Clara County. This partnership will use the strengths and existing resources of each entity to overcome participation barriers, better serve local needs, increase participation in PG&E’s statewide and third party programs, and continue as a model for successful partnership opportunities. Successful implementation might include, but may not be limited to, the following program elements:

- The Rebates and Energy Audits for Businesses (Power Players Rebate) could provide energy efficiency retrofit services to very small, small and medium commercial customers in targeted business districts. Alternatively, a direct install program could be implemented;
- The Municipal Audits and Rebates would encourage implementation of audit recommendations performed in the 2004-2005 cycle by offering rebates to install energy-efficiency measures in conjunction with the California Energy Commission low interest loan or other funding sources;
- A Residential offering could be established to reduce electric and gas energy usage and foster equity through energy efficiency. The county has sizable non-English speaking, elderly and disabled citizen populations in single family and multifamily households. This partnership could provide energy efficiency information, training and rebates tailored to local needs;
- The Codes and Standards element will explore continuous improvements in codes and standards to increase energy savings in the future; and
- The education partnership will continue the successful partnership between PG&E’s PEC and the City Green Building program in the South Bay location.

The partnership would use both existing utility infrastructures, such as statewide outreach and rebate processing that will increase the saturation and reach of marketing efforts. The City's unique local communication channels include local governments, religious and ethnicity-based organizations, and tenant and landlord associations. This marketing strategy ensures that more customers will be aware of and participate in this partnership as well as statewide PG&E and third party offerings.
Silicon Valley Leadership Group (SVLG)

4. Descriptors

Market Sector: Large Commercial, Retail, Industrial, and Hospitality
Program Classification: Local
Program Status: Revised Existing

The Silicon Valley Leadership Group (SVLG) expands beyond current initiatives by integrating continuous monitoring based commissioning (MBCx) with the installation of energy monitoring and metering equipment at the building and system level to provide continuous monitoring-based commissioning and to support demand response. In addition, peak demand and energy reduction opportunities will be captured by providing technical assistance and financial incentives to encourage capital investments in energy efficiency. The Partnership is modeled after the successful MBCx element offered through the UC/CSU partnership funded in 2004.

Success of the partnership will be ensured by the inclusion of Sustainable Silicon Valley (SSV) a collaborative focused on reducing greenhouse gas (GHG) emissions for the Silicon Valley. SSV’s task will be to develop Climate Action Plan’s for each of their members to use energy efficiency to meet their GHG reduction commitments.

Central monitoring and data acquisition systems will be procured and installed to give facilities management staff the tools to reduce energy consumption and peak demand (demand response) by having consolidated energy information at the building system level. This aspect will incorporate a facility needs assessment where hardware needs will be investigated, such as sub-metering selected buildings and locating monitoring points on major energy usage areas. Software needs, such as databases to display and archive system and building performance, will also be considered. Monitoring systems may be permanently installed and used by facilities management staff to perform facility demand reduction and retro- and continuous commissioning. In order to ensure sustainable, ongoing energy savings, the Partnership will establish a program to continuously commission the buildings, using monitoring systems to ensure ongoing efficient operations. Ultimately, SVLG members will have both the trained staff and the permanent monitoring systems to continue to commission the buildings over time, thereby ensuring persistent energy savings.

In concert with our efforts, we will develop demand reduction strategies for each of the properties. The demand-reduction strategies will focus on the critical peak-pricing model, i.e., voluntary reduction as opposed to automated reduction. Program staff will develop baseline load shapes, including 10-day and 3-day profiles consist with the Demand Response Program evaluation. On demand-reduction event days, program staff will work with properties to implement their strategy. The impacts on demand reduction days will be estimated and catalogued in an effort to project demand-response potential for SVLG.
Bakersfield and Kern County Energy Watch

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The successful Bakersfield & Kern County Energy Watch program from the 2004-2005 Program cycle proposes to continue and expand for the 2006-2008 Energy Efficiency Program. This partnership includes the city of Bakersfield, the county of Kern, Southern California Edison, and Southern California Gas Company, as well as PG&E. This program has reduced energy use in Kern County by providing residential and business customers with energy audits, direct installation of energy efficiency measures in selected redevelopment areas, technical assistance and financial incentives to the city of Bakersfield and the county of Kern for energy efficient retrofits in municipal facilities, locally-based energy efficiency seminars and training classes, and local advertising and marketing about other energy efficiency programs to increase awareness of and participation in those programs.

In 2006-2008, Energy Watch could expand to cover targeted areas and other cities in the county of Kern as well as the cities of Hanford, Visalia, and Tulare, served by SCE and SoCalGas; and add building commissioning for projects in municipal and other public sector facilities.

The program would continue to serve residential and business customers, including the public sector, in the county of Kern. Market segments to be address are Mass Market, Office Buildings, Retail Stores, and Medical Buildings. Restaurants are also a target for the small business direct install component. Non-English speaking customers would be a major target for the residential and small business components.

We plan to investigate opportunities for joint marketing with local water agencies. Customers would be given information on how to participate in many utility and city programs, such as the new demand response and self generation programs, and customer referrals would be made to those programs if customers express an interest in participating.

The Energy Watch partnership would coordinate its services with other activities provided by the participating cities, county and utilities to provide information to customers on all programs for which they might be eligible (CARE, demand response, community block grant assistance, etc.) The marketing and outreach campaign would educate business and residential customers about other energy efficiency programs, and the local utility staff would assist customers to take advantage of such programs.
Fresno Energy Savings Alliance (FESA)

4. Descriptors

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The Fresno Energy Savings Alliance, an existing and very successful partnership with PG&E, the City of Fresno and Richard Heath and Associates (RHA), proposes to continue this successful partnership for 2006-2008 to provide energy audits and direct install of energy saving measures to mass market customers, enhanced incentives to municipal facilities, and a targeted information/education program. The partnership will promote reduced energy use by providing energy efficiency information and direct installation of energy efficient equipment free of charge to eligible PG&E customers who include residential and small- and medium-size business customers located within Fresno's Enterprise Zone and a surrounding area in the mid-city.

The partnership will measure success by:

- Achieving long-term savings and peak demand reduction through the free direct install and municipal components of this program;
- Achieving equity of access to energy efficiency services by targeting marketing messages, and by providing free direct install and energy audit services to these customers;
- Overcoming identified market barriers, including lack of consumer information, lack of financing for energy efficiency improvements, and lack of a viable and competitive set of providers of energy efficiency services in the market;
- Enabling and educating customers to change energy use and practices; and
- Marketing and/or encouraging participation in other applicable PG&E rebate programs, for installation of energy efficient equipment not covered under the partnership.

Beyond the approved existing measures implemented in the 2004-05 program, additional measures may include A/C tune-up, vending machine controllers, de-lamping, LED open signs, pool pumps, wall/window air conditioner and hardwired CFL fixtures. Savings for these types of measures are proven in this climate zone with regard to peak demand. RHA will coordinate with vendors, if applicable, to assist customers who may be interested in emerging technologies. Additionally, a refrigerator recycling and replacement program may be implemented targeting small businesses, schools, churches and nonprofit organizations operating standard refrigerators that are more than 10 years old.

FESA proposes to continue serving primarily mass market customers within the City of Fresno's Enterprise Zone and extend south and east best characterized by the boundaries of Council districts 3 and 5 (subject to further discussion and agreement by the parties). FESA proposes to seek out additional opportunities for savings through the installation of measures in municipal facilities beyond retrofits done under the 2004-05 program.
Madera Energy Alliance (MEA)

4. Descriptors

Market Sector: Mass Market, Large Commercial  
Program Classification: Local  
Program Status: New

The Madera Energy Alliance will be a partnership between PG&E, the City of Madera and Richard Heath & Associates (RHA) to provide energy audits and direct install of energy saving measures to residential and nonresidential customers. The MEA will promote reduced energy use by providing energy efficiency information and direct installation of energy efficient equipment free of charge to eligible PG&E customers who include residential and small- and medium-size business customers located within the City of Madera.

The goals and strategies of the program include:

- Achieving long-term savings and peak demand reduction through free direct install and municipal components;
- Achieving equity of access to energy efficiency services by targeting marketing messages to zip codes that include residential customers (limited income, non-English speaking, and renters) and small business customers and by providing free direct install and energy audit services to these customers;
- Overcoming market barriers, including lack of consumer information, lack of financing for energy efficiency improvements, and lack of a viable and competitive set of providers of energy efficiency services in the market;
- Enabling and encouraging customers to make informed decisions to change energy use and practices;
- Urging customers not targeted by the direct install elements of the program to participate in PG&E’s rebate programs to encourage installation of energy efficient equipment; and
- MEA will explore inclusion of measures such as: A/C tune-up, vending machine controllers, de-lamping, LED open signs, interior and exterior hardwired fluorescent fixtures, low flow showerheads, faucet aerators, screw-in CFLs, T12 conversion to T8 with electronic ballasts, occupancy sensors, programmable thermostats for the commercial sector, LED Exit Signs retrofit, and duct testing and sealing for the residential sector. Many of these measures may provide real peak demand savings in this climate zone.

The MEA will serve residential and non-residential customers in the City of Madera. A majority of those served will represent diverse cultural and language backgrounds. Market segments will include single and multifamily homes, retail stores and restaurants, offices, lodging facilities, medical offices and various small businesses.
Merced/Atwater Energy Partnership (MAEP)

4. Descriptors

Market Sector: Mass Market
Program Classification: Local
Program Status: New

The City of Merced and City of Atwater will partner with PG&E, the Self Help Enterprises, V3 Program, local vendors and community action organizations to provide direct install of energy saving measures to mass market and a targeted information/education to the community.

MAEP will promote reduced energy use by providing energy efficiency information and direct installation of energy efficient equipment free of charge to eligible PG&E customers including residential and small- and medium-size business customers located within the Cities of Merced and Atwater up to and including their official city limit boundary.

The partnership will contribute to a cost-effective portfolio by:

- Providing the free direct install of energy measures and information/education of this program;
- Ensuring equity of access to energy efficiency services by targeting marketing messages within census areas and city defined districts;
- Education to assist in making informed decisions to change energy use and practices; and
- Promoting other PG&E rebate offerings to initiate installation of other measures identified but not covered under this partnership.

MAEP proposes to serve primarily mass market customers within the City of Merced and City of Atwater city limits. Specific customer types include single and multifamily homes, retail stores/restaurants, lodging facilities, medical and other offices. Target areas or neighborhoods will need to be further delineated to ensure maximized benefits to all partners.

The Cities of Atwater and Merced are open and responsive to programs that provide energy savings for its residents and have been very interested participants to the PG&E energy efficiency programs. They provide direct access and communications channels and methods for getting the word out and maximizing results.
San Joaquin Energy IQ Partnership

4. Descriptors

Market Sector: Mass Market, Large Commercial, Hospitality, Retail, and Industrial
Program Classification: Local
Program Status: New

The 2006-08 San Joaquin Energy IQ Local Government Partnership is a partnership between PG&E, San Joaquin County, Cities of Tracy, Manteca, Lathrop and Ripon, and. The current 2004-2005 San Joaquin Comprehensive Energy Efficiency Program is a successful partnership between San Joaquin County, City of Manteca, City of Tracy, the Tracy/Manteca/Lathrop Chambers of Commerce, and Intergy, and was known as the San Joaquin Energy IQ program (SJEIQ). For 2006-08, the SJEIQ is being proposed as the San Joaquin Energy IQ Local Government Partnership.

The key objective of the 2006-08 partnership is to capitalize on the infrastructure set up by the 2004-05 SJEIQ program and deliver cost effective energy and demand savings. The 2004-2005 SJEIQ successfully, in coordination with the key partners, created an infrastructure through outreach, audits, and networking for implementation of energy and demand reduction retrofit projects at the local level and in keeping with unique community needs.

The SJEIQ Partnership will target mass markets, retail, food service/restaurants, office, process industry, lodging and municipal facilities.

Some of the key features of the proposed 2006-08 SJEIQ are included below. Note that the goals and objectives for 2006-08 are a result of discussions over the last six months with San Joaquin County, the cities, and the Chambers of Tracy, Manteca and Lathrop.

The primary focus will be on outreach, energy efficiency audits (with a goal of 50 percent conversion to retrofits), coordination of delivery channels, demand response and self generation (coordinated with the PG&E Integrated Audit Program) and an expansion of the infrastructure created in the 2004-05 program to effect long-term energy efficiency savings.

The revised Program will promote reduced energy use by providing energy efficiency information and direct installation of energy efficient equipment free of charge to eligible PG&E customers within selected target areas, such as designated as economic development areas or rural areas.

This program will:

- Provide free direct install and energy audit services to designated mass market customers, and encourage/educate about energy use and practices;
Offer municipal components of this program to assist in long-term, cost-effective savings;

- Urge customers in instances where measures not covered by the partnership are present, to participate in PG&E’s other rebate program opportunities.

The Partnership proposes to add to the existing suite of measures traditionally offered through direct install type programs; these, of course, need further discussion with the partners. These may include some of the following: A/C tune-up, vending machine controllers, LED "Open" signs, pool pumps, and wall/window air conditioner. The also propose exploring possibility of a refrigerator replacement and recycling program for schools, churches and non-profit organizations operating standard refrigerators greater than 10 years old. These types of measures can provide true peak demand savings in this valley climate.

SJEIQ propose to continue reaching out to and providing these services to Mass Market customers within San Joaquin County, the cities, and the Chambers of Tracy, Manteca and Lathrop designated areas to be determined as part of the detailed Program planning. Additional Municipal facilities under the Large Commercial segment will be identified from benchmarking and detailed audits.

Mass market will represent diverse cultural and language backgrounds, including single and multi-family homes, retail stores and restaurants, offices, lodging facilities, medical offices and various small businesses.

Through careful planning between partners, we will work to maximize the benefits available through the various parts of the PG&E portfolio, while taking care not to overlap or miss other opportunities which may present themselves through other non-PG&E programs. Working closely with local PG&E representatives, we will identify the best avenues or promotional opportunities, analyze the assigned vs. non-assigned accounts and how we might work with San Joaquin County, the cities, and the Chambers of Tracy, Manteca and Lathrop to provide every opportunity for participation and energy savings.
Santa Barbara County Partnership

4. Descriptors

Market Sector: Mass Market, Large Commercial, Hospitality, Retail, and Industrial
Program Classification: Local
Program Status: New

PG&E proposes to join Southern California Edison (SCE) in supporting the SCE-proposed County of Santa Barbara Partnership. PG&E primarily provides gas service in the county of Santa Barbara; PG&E does not serve the city of Santa Barbara. PG&E would provide limited funding and services to assure that any customer receiving SCE electric service and PG&E gas service (or PG&E electric service and PG&E gas service or Southern California Gas (SCG) gas service) is offered the full range of energy efficiency options suitable for that customer. This will avoid lost opportunities.

The 2006-2008 County of Santa Barbara Partnership is a new residential and nonresidential partnership among PG&E, SCE, County and City of Santa Barbara, and the City of Goleta. The Partnership will assist and facilitate residents and businesses and other city and county government officials in understanding, managing, and reducing their energy use and costs and position the partners as leaders in the region in energy management practices.

The Partnership will provide design consultation and energy analysis of new construction and renovation project plans. Analysis of city facilities will be conducted to identify demand reduction projects with energy conservation measures (ECM) alternatives to optimize the energy and environmental performance of new building design or extensive retrofit projects in the partner facilities.

It will provide co-funding of energy efficiency/load management and renewable generation project costs for city and county facilities provide partial funding for the incremental cost of ECMs such as lighting retrofits, building-wide lighting controls, and HVAC upgrades/replacements which are funded through the partnership and other services.

Other offerings include retro-commissioning (RCx), Green Building Initiative Executive Order Compliance Assistance and LEED Certification, SCE energy efficiency and best practices education for facilities managers and may provide co-sponsorship of vocational education and training for community college students and/or working technicians in the trades.

The partnership will conduct a general energy awareness campaign targeting residents and businesses to increase awareness of energy efficiency savings and the importance of energy conservation in maintaining a healthy environment, reducing costs, and creating other economic benefits. Depending on need assessment, PG&E may pursue a direct install for targeted mass market customers.
Stockton Smart Energy Partnership (SSEP)

4. Descriptors

Market Sector: Mass Market, Large Commercial, Hospitality, and Retail
Program Classification: Local
Program Status: Revised Existing

The Stockton Smart Energy Partnership, an existing partnership with PG&E and the City of Stockton, provides energy audits, education, and direct installation of energy-saving measures to mass market customers, enhanced incentives for municipal facilities, and a targeted information/education program. The revised partnership will promote reduced energy use by providing energy efficiency information and direct installation of energy efficient equipment free of charge to eligible PG&E customers within Stockton's selected target areas, designated as economic development areas. This partnership will:

- Provide free direct install and energy audit services to mass market customers and encourage/educate about energy use and practices;
- Offer municipal components of this program to assist in long-term, cost-effective savings;
- Urge customers in instances where measures not covered by the partnership are present to participate in PG&E’s other rebate program opportunities.

The partnership proposes to add to the existing suite measures traditionally offered through direct install type programs; this will need to be discussed with the partners. Additions may include air conditioning tune-up, vending machine controllers, LED open signs, pool pumps, and wall/window air conditioner. SSEP also proposes exploring the possibility of a refrigerator replacement and recycling program for schools, churches and nonprofit organizations operating standard refrigerators greater than 10 years old. These types of measures can provide true peak demand savings in this valley climate.

SSEP proposes to continue reaching out to and providing these services to mass market customers within the City of Stockton's designated areas, while working with city partners to identify additional neighborhoods for targeting. Additional municipal (City of Stockton) facilities under the Large Commercial program will be identified from detailed audits performed in 2005. SSEP would propose inclusion of county facilities within city limits where feasible. The mass market will represent diverse cultural and language backgrounds, including single and multifamily homes, retail stores and restaurants, offices, lodging facilities, medical offices and various small businesses.

Through careful planning between partners, SSEP will work to maximize the benefits available through the various parts of the PG&E portfolio, while taking care not to overlap or miss other opportunities which may present themselves through other non-PG&E programs. Working closely with local PG&E representatives, SSEP will identify the best avenues or promotional opportunities, analyze the assigned vs. non-assigned accounts and how PG&E might work with the city of Stockton to provide every opportunity for participation and energy savings.
# Motherlode Energy Partnership (MEP)

## 4. Descriptors

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The Motherlode Energy Partnership (MEP) is an expansion of the successful 2004-2005 El Dorado County Energy Partnership and will involve PG&E and the Counties of Sierra, Nevada, Placer, El Dorado, Amador and Calaveras as well as the incorporated cities of Nevada City, Grass Valley, Auburn, Placerville, Jackson and Angeles Camp. The MEP will serve the vast majority of the Sierra Foothill Region. The primary market served by the Partnership is the residential and small business mass market. The mass market customer participation in this area has been less then those in the more urban service areas. Other significant market segments include small retail and agriculture due to the large number of wineries; orchard crops such as apples, pears and peaches, and specialty nurseries.

The MEP will coordinate with PG&E’s programs to offer:

- Direct install energy efficient retrofits and rebates to overcome market barriers for mass market customers;
- Small business direct delivery of specific energy efficiency measures;
- To develop upstream delivery channels – discount at point of sale opportunities of specific measures through expansion of retailer relationships;
- Residential and small business energy efficiency information services to include energy clinics, utility bill analysis, on-site energy audits and objective advice for permanent energy savings;
- Energy efficiency training tailored for community based organizations;
- Customized energy efficiency management services and financial incentives to accelerate investment at municipal facilities to reduce summer peak electric demand and winter gas usage;
- Targeted training and assistance to county and city staff to promote development and implementation of local energy efficiency building codes to encourage greater energy efficiency;
- Expand outreach efforts to include manufacturer, distributor, retailer and contractor relationships;
- Furnish technical resources, information and financial services during the design stage to support private new construction within MEP communities, municipal buildings or other government facility construction;
• Introduce the latest innovative and promising technologies in energy through community road shows or energy efficiency centers; and

• Develop financing channels through existing financial institutions in the Foothill Region.

This Partnership will coordinate the strengths of the counties and cities within the foothill region and PG&E to overcome energy efficiency market barriers, better serve unique city and county needs and the rural utility customers, and increase participation in PG&E energy efficiency programs.
Marin Public Facilities Energy Management Team (MarinEMT)

4. Descriptors

Market Sector: Large Commercial, Schools, Colleges, and Industrial Process.
Program Classification: Local
Program Status: Revised Existing

The Marin Public Facilities Energy Management Team (MarinEMT) will continue and expand its successful 2004-2005 program and add a new community-wide partnership element leveraging PG&E and other anticipated continuing third-party implemented offerings. The MarinEMT concept is premised on delivering cost-effective, comprehensive and persistent energy savings through aggregation of smaller local governments, schools and other public agencies that have been difficult to reach with traditional programs.

In addition to the 31 original public institutions, MarinEMT may expand services to public agencies not included in the original program. These may include the community college district and other special districts such as public safety, water, sanitary, and transit. PG&E MarinEMT may extend services to the 34 private schools in Marin if they are not adequately served by other programs. Under this model, the partnership acts as an energy manager for the customers leveraging and integrating public, private and IOU offerings rather than duplicating existing successful programs. In addition to state financing available to public agencies, the Partnership will also leverage to the extent possible significant local bond financing such as a $250 million bond passed this year for the Marin Community College District to go beyond Title-24 standards in new construction and retrofit existing facilities.

For existing participants, the partnership will focus on providing continuity in the implementation of energy efficiency measures through continued technical, financial, management and administrative assistance and support for peer networking, team building and staff training. The community-wide component will leverage Marin County’s current Green Building, Green Business, and other public outreach channels to increase greater uptake of existing PG&E and third party offerings. The partnership will help Marin County work with realtors toward the eventual adoption of time of sale residential conservation ordinance within the next three years.

The public sector served with this partnership cuts across multiple market segments, including schools/colleges, office buildings and process industries. The MarinEMT element is focused on the public sector but may work with the 34 private schools in Marin. The public sector shares a common set of barriers, issues, decision-making and financial opportunities that make it more cost-effective to work with this sector as a whole.

This partnership is specifically designed to leverage and integrate PG&E, third-party, state and federal programs to achieve more comprehensive, persistent and cost-effective savings than any single program could provide. The partnership also identifies and fills the gaps in existing offerings as needed. This partnership also reduces PG&E marketing and transaction costs by creating a single point of contact through which to deliver energy efficiency measures to numerous public sector customers.
Sonoma Energy Partnership (SEP)

4. Descriptors


Program Classification: Local
Program Status: New

The Sonoma Energy Partnership (SEP) is an innovative PG&E local government partnership. SEPP provides the opportunity to realize significant energy savings by leveraging a whole community’s public commitment to reduce greenhouse gas emissions consistent with the Commission policy objectives on energy efficiency: “The Governor’s and the state’s policies also seek to reduce the environmental impact (including the greenhouse gas emissions) associated with the state’s energy consumption, to protect the public’s health and safety.” Inspired by the Climate Protection Campaign (CPC) in August 2002, Sonoma became the first county in the nation where 100 percent of its municipalities—the county and all nine cities—signed a resolution to measure and reduce their greenhouse gas (GHG) emissions. Energy efficiency is the first and most cost-effective source for such reductions, obligating this community’s strong motivation and the unique opportunity for PG&E.

Working closely with the Climate Protection Campaign, the Partnership will focus first on emissions from internal operations such as buildings and secondarily on emissions from all sectors in their jurisdictions. To align with municipalities’ lead by example approach, SEP proposes the following components and resources:

Municipal:
- Facilities retro-commissioning;
- Street lighting;
- LED traffic signals; and
- Wastewater Process Optimization Program (WPOP)

Very Small and Small Commercial/ Industrial:
- Outreach and coordinate with the Small Business Energy Alliance (SBEA) for energy efficiency projects through PG&E’s existing commercial programs including Express Efficiency and SPC.

Medium and Large Commercial:
- The Building Tune-up (BTU) (re-commissioning of existing nonresidential buildings) will provide cost-effective, lasting energy and demand savings through commissioning of existing nonresidential buildings); and
• Energy Management Plan (EMP) outlines additional cost-effective retrofit, demand response, and self-generation opportunities and funnels these through PG&E’s existing programs.

The partnership will be modified as needed to reflect availability of services from existing third parties and other offerings. The existing Building Tune-up program, for example, might be available through PG&E's service area during 2006-2008. SEPP will address most market sectors including agricultural process, schools/colleges, retail stores, food manufacturing and processing, fabrication industries, medical facilities, office buildings, process industries, lodging facilities, and high technology facilities. For the remaining sectors, residential, heavy industry and transportation, interested parties will be directed to the appropriate PG&E program.
UC/CSU/IOU Energy Efficiency Partnership

4. Descriptors

Market Sector: Schools, Colleges, and Universities
Program Classification: Statewide
Program Status: Revised Existing

The University of California (UC) and California State University (CSU) systems consume vast quantities of energy and, as a combined entity, make up a significant portion of both the electric and natural gas load in the State of California. These are large, complex organizations with a broad set of goals, stakeholders, processes and constituencies. They are diverse from a geographic, climate, and operational needs standpoint. But with this size and diversity also comes a considerable opportunity to save energy use and cost on a scale that is meaningful to the State of California. The partnership will continue the progress made with the immensely successful 2004-2005 UC/CSU/IOU Energy Efficiency Partnership in developing the framework and implementing the energy savings strategies developed in that cycle as well as achieving new energy and demand savings goals as outlined in the estimates that accompany this narrative.

Like the 2004-2005 program, the 2006-2008 UC/CSU/IOU partnership is comprised of four elements, which will operate on a statewide, integrated basis, providing immediate energy savings and cementing the foundation for a long-term program focused on sustainability and best practices:

- Energy efficiency retrofits;
- Monitoring based commissioning (MBCx) load management projects;
- New construction assistance; and
- Energy efficiency education and best practices development and training.

The objectives of the partnership are immediate, cost-effective energy and demand savings; ongoing improved energy efficient operations and maintenance practices; optimized energy efficiency of new buildings; and UC/CSU facilities staff and project managers trained to identify and implement energy efficient opportunities.

Because the UC/CSU/IOU team already has an established communication network with campus energy managers and staff, marketing to new participants will be based on the pre-established channels.

The partnership will be offered to all UC and CSU campus facilities in the four IOU service areas. The 2006-2008 partnership will utilize the same program management and team interface structure that was established during the previous cycle. UC/CSU and the four IOUs have formed a partnership to manage and implement the UC/CSU Energy Efficiency Partnership. Staff from each utility, UC, CSU and a consultant administrator will be responsible for the successful execution of the partnership. The 2006-2008 partnership will benefit from the significant progress that has been made during the previous cycle in developing program processes and improving communication between the many partner organizations.
California Community Colleges / IOU Energy Efficiency Partnership

4. Descriptors

Market Sector: Schools, Colleges, and Universities
Program Classification: Statewide
Program Status: New

The CCC/IOU Energy Efficiency Partnership is modeled after the successful UC/CSU/IOU Energy Efficiency Partnership that was funded in the 2004-2005 energy efficiency cycle. This statewide partnership capitalizes on the vast resources and expertise of the Community College system and California IOUs to ensure a successful and cost-effective program that meets all objectives of the Commission. This will be a statewide energy efficiency partnership designed to efficiently accomplish immediate and long-term peak energy and demand savings goals.

To best meet the need of the CCC system and optimize opportunity for load reduction, the CCC/IOU Partnership will be based on the concept of a resource conservation manager (RCM) who becomes, in essence, a college district’s energy manager. The Partnership is comprised of five program elements, which will operate on a statewide, integrated basis, providing immediate energy savings and setting the foundation for a long-term effort focused on sustainability and best practices:

- Energy efficiency retrofits;
- Monitoring based commissioning (MBCx) load management projects;
- New construction assistance;
- Energy efficiency education and best practices development and training; and
- Emerging technologies demonstration program.

The objectives of the partnership are to realize immediate, cost-effective energy and demand savings; improve energy efficient operations and maintenance practices; train CCC facilities staff and project managers to identify and implement energy efficient opportunities; build in sustainable energy efficiency of new construction projects, and obtain future savings through vocational training and technology demonstration.

The CCC/IOU team will develop a communication network with the institutional staff and stakeholders, marketing the new 2006-2008 partnership through the Chancellor’s Office and League of Community Colleges and other internal channels.

The partnership will be offered to all California Community College campus facilities in the four IOU service areas. Campuses will be reviewed for past participation and prior audits and benchmarked with each other to determine those facilities with the highest likelihood of energy efficiency potential. Detailed audits will then be performed to further narrow down high potential projects. It will use a similar management and team interface structure that was established during the UC/CSU/IOU Partnership in the previous cycle by forming a team from the staff from each utility and from the CCC Chancellor’s Office, which will be responsible for the successful execution of the program.
California Department of Corrections and Rehabilitation / IOU Energy Efficiency Partnership

4. Descriptors

Market Sector: Large Commercial, Medical, and Industrial Process
Program Classification: Statewide
Program Status: New

The CDCR/IOU Energy Efficiency Partnership is modeled after the successful UC/CSU/IOU Energy Efficiency Partnership that was funded in the 2004-2005 energy efficiency program cycle. This partnership capitalizes on the vast resources and expertise of the California Department of Corrections and Rehabilitation and the IOUs to ensure a successful and cost-effective program that meets all objectives of the Commission. The Partnership will adopt the framework and methodology of the UC/CSU/IOU Partnership to design and implement sustainable, long-term, comprehensive energy management program at the CDCR facilities served by California’s four IOUs. This will be a statewide energy efficiency partnership that is designed to efficiently accomplish immediate and long-term peak energy and demand savings.

To best meet the need of the CDCR system and optimize opportunity for load reduction, the CDCR/IOU Partnership is comprised of the following elements, which will operate on a statewide, integrated basis, providing immediate energy savings and setting the foundation for a long-term focus on sustainability and best practices:

- Energy efficiency retrofits;
- Monitoring based commissioning (MBCx) load management projects; and
- Energy Efficiency Education And Best Practices Development And Training

The objectives of the partnership are immediate, cost-effective energy and demand savings; ongoing improved energy efficient operations and maintenance practices; and CDCR facilities staff and project managers trained to identify and implement energy efficient opportunities.

The CDCR/IOU team will develop a communication network with the institutional staff and stakeholders, marketing the new 2006-2008 partnership through internal channels.

The partnership will be offered to all 30 CDCR institutions in the four IOU service areas. It will utilize a similar management and team interface structure that was established during the UC/CSU/IOU Partnership in the previous cycle by forming a team from the staff from each utility and from the CDCR, which will be responsible for the successful execution of the partnership.
Local Government Energy Action Resources

4. Descriptors

Market Sector: TBD
Program Classification: Local
Program Status: New

There is tremendous residential and commercial growth in the PG&E service area, as there is in SCE’s area. SCE has proposed a Local Government Energy Action Resources Program for those cities that have a pro-active interest in being recognized as a community that practices mindful growth with such environmentally friendly programs as Green Building and ENERGY STAR® rated homes. The SCE Local Government Energy Action Resources is the new venue for SCE to develop partnerships that will assist jurisdictions to further establish themselves as an energy resource. Participants may want to address energy efficiency in municipal buildings and help implement the Governor’s Energy Action Plan.

PG&E would like to emulate this innovative program for 2006-2008. As SCE’s program description states, it will optimize the opportunities for jurisdictions and their communities to work toward the common goal of achieving short and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes. It will help promote an energy efficiency ethic by increasing awareness and participation in energy efficiency programs and practices as well as provide information on demand response, self generation and energy management assistance (California Alternate Rates for Energy (CARE) and low income energy efficiency). Energy code training will feature strongly. This effort will deliver energy code training and Green Building Action Plan support to all cities in the service area.

Offerings include energy education and information, energy audits and savings projects identification, technical support, bench-marking and performance tracking. It could also assist participants with Green Building action planning and would work with the State of California to enhance this program element. Retrofitting of municipal buildings will further help Jurisdictions’ objective to comply with the Governor’s Green Building Action Plan.

Participants will leverage their outreach mechanism to spread the word about energy efficiency and to connect constituents with energy savings opportunities. It is anticipated that by utilizing their unique outreach methods, cities will be able to reach customers not reached by traditional marketing efforts and deepen penetration of statewide and local energy efficiency offerings. A menu of activities, for example, nonresidential direct installation, residential torchiere exchange, room air conditioner, refrigerator and freezer turn-in events, display of checkpoint information in building offices and multifamily direct install programs for government housing facilities may be provided for participants as well as outreach material and assistance with event planning and implementation and the development of energy efficiency recognition.