

**2013-2015 Energy Efficiency Programs
Local Government Partnership Program
Program Implementation Plan**

- 1. Program Name:** San Bernardino Regional Energy Partnership
Program ID: SCG 3802
Program Type: Local Government Partnership

2. Program Element Description and Implementation Plan

a) List of Program Elements

The three core program elements are similar to those identified in the Master Program Implementation Plan (PIP):

- Element A - Government Facilities,
- Element B - Strategic Plan Activities, and;
- Element C - Core Program coordination.

b) Overview

San Bernardino County has a population of over 2,035,210 people. With an area of 20,105 square miles, San Bernardino County is the largest county in the United States by area. It is larger than nine states, larger than the four smallest states combined, and larger than 71 sovereign nations. Located in southeast California, this vast county stretches from thinly populated deserts along the Nevada and Arizona borders, to more densely populated urban areas adjacent to Los Angeles County.

San Bernardino Associated Governments (SANBAG) serves 25 incorporated communities in the San Bernardino County west of Los Angeles in Southern California. Of these 25 incorporated communities, eight are currently participating in either a single city or multi-city Southern California Gas Company (SoCalGas) Partnership, or are not served by SoCalGas and two currently provide their own electricity and will not be an active part of the Partnership. Although the City of Colton, and Needles, are not served by Southern California Edison (SCE) and will not be an active participant in the Partnership, SoCalGas is able to support the municipally served cities as needed.

The San Bernardino Regional Energy Partnership will be a joint partnership with both SoCalGas and SCE with San Bernardino Association of Governments as the implementer. The goal of the San Bernardino Regional Energy Partnership is to provide an Energy Efficiency (EE) Partnership program to the remaining 14 cities through SoCalGas. This includes the cities of Chino, Chino Hills, Fontana, Grand Terrace, Highland, Loma Linda, Montclair, Ontario, Rancho Cucamonga, Rialto, City of Twenty nine Palms, City of Upland, Yucaipa, and Town of Yucca Valley. SCE, through the Partnership, will also partner with the City of Big Bear Lake, which is not served by SoCalGas.

SANBAG Member Cities:

City of Adelanto*	City of Hesperia*	City of Rialto
Town of Apple Valley*	City of Highland	City of San Bernardino*

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City of Barstow*	City of Loma Linda	County of San Bernardino*
City of Big Bear Lake***	City of Montclair	City of Twenty nine Palms
City of Chino	City of Needles**	City of Upland
City of Chino Hills	City of Ontario	City of Victorville*
City of Colton**	City of Rancho Cucamonga	City of Yucaipa
City of Fontana	City of Redlands*	Town of Yucca Valley
City of Grand Terrace		

*These agencies are already participating in either joint or individual energy leader partnership efforts with SCE and/or SCG and therefore will not be included in the San Bernardino Regional Energy Partnership.

**The City of Colton and the City of Needles both have public utilities that provide electricity and therefore will not be included in the San Bernardino Regional Energy Partnership.

*** SoCalGas does not serve the City of Big Bear Lake.

The proposed program provides an infrastructure for the region to assist in raising awareness of energy efficiency (EE) and in completing targeted retrofit and retro-commissioning projects in city/town facilities. The program will provide energy education, retrofit assistance, and retro-commissioning as well as design consultation and energy analysis of new construction and renovation project plans. Analysis of city facilities, concentrating on an integrated approach will be conducted to identify energy and demand reduction projects with energy conservation measure alternatives to optimize the energy and environmental performance of a new building design or extensive retrofit project in each of the targeted cities/towns thereby encouraging deep energy retrofits. The newly proposed Partnership qualifies under the CPUC’s expansion rules covering Deep Retrofits as described below within Section 3.c.

SoCalGas and SCE’s objectives for the Local Government Partnerships include:

- Short and Long-term energy savings and demand reduction for Local Government organizations and the communities they serve as well as a reduction of greenhouse gas (GHG) emissions. Jurisdictions will leverage their local infrastructure to “spread the word” about EE and deepen the reach of statewide and local programs and services.
- An EE ethic resulting from delivery of energy information to the communities, training and education for local government facility managers, energy managers and other staff in use of best practices methodology for identifying and implementing EE opportunities in their facilities.

The primary objectives for the San Bernardino Regional Energy Partnership include:

- Promote integrated EE through identifying/assisting in the coordination of opportunities for cost-effective implementation of natural gas and electric energy-saving technologies.
- Coordinate community outreach and training efforts to educate consumers and promote programs.
- Identify/offer financial packages that bundle practical utility incentives with various monetary incentives aimed at improving the participation of residents, businesses and local government agencies.

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While several cities in the region either have their own electrical utility or have formed successful individual city partnerships or sub-regional partnerships, the San Bernardino Regional Energy Efficiency Partnership seeks to include the remaining agencies within San Bernardino County to promote EE in order to realize reductions and/or delays in the need for costly infrastructure investments related to energy production and transmission for future population growth within the region itself.

Population growth, transportation needs, and the political environment have brought energy issues to the limelight for all of California, particularly the San Bernardino region. Several years ago, California experienced a major energy crisis bringing this issue to the attention of state and local governments, primarily due to the dependence on out-of-state energy. With such dependence on increasingly expensive and unstable foreign oil and the negative environmental impacts associated with some sources of energy creation/consumption, the region has begun to look for alternative strategies to meet its energy needs. Achieving EE and stability is necessary for achieving a high quality of life in any area. As a result, the San Bernardino region is turning towards strategies that promote renewable resources and clean technologies as well as self-generation.

Core Program Element A: Government Facilities

This area will attempt to deliver energy savings during the next year. Every local government that participates in the partnership will attempt to achieve specified energy savings and GHG reductions from the facilities and infrastructure that it manages through technology retrofits, operational improvements and policy changes. Participating local governments will take advantage of partnership incentives for municipal facilities and, wherever possible, of eligible rebate, incentive and technical assistance programs offered by their serving utilities.

A.1) Retrofit of county and municipal facilities

The 14 participating jurisdictions within the San Bernardino Associated Governments that will be participating in the San Bernardino Regional Energy Partnership maintain several hundred municipal buildings. The participating jurisdictions of SANBAG will work with SoCalGas and SCE to implement EE projects identified at their municipal facilities. The audits will identify new opportunities through conducting assessments for city facilities through Technical Assistance and Support. The assessments are intended to be an ongoing process throughout 2015 and will support jurisdictions with opportunities to prioritize their municipal energy efficiency projects.

As a new Partnership, the San Bernardino Regional Energy Partnership will in addition to targeting under-served and hard to reach customer segments, optimize energy savings through deep retrofits in accord with the CPUC's expansion rules covering Deep Retrofits as described below within Section 3.c. Potential deep retrofits EE measures may include but are not limited to HVAC systems, Retro-Commissioning, Hot Water Heating & Space

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Heating retrofits. The Partnership has established a savings target of 4,900 therms from municipal facilities which will be funneled to core rebate and incentive programs.

A.2) Retro-Commissioning (of buildings or clusters of buildings)

The CPUC has identified deep retrofits as an area of focus during the 2013 – 2015 Transition Cycle. The San Bernardino Associated Governments intends to achieve this new focus via a greater emphasis on Retro-Commissioning. This will provide a systematic whole system approach to EE. Many chronic building problems and energy waste can be resolved by making the low-cost or no-cost adjustments identified by the Retro-Commissioning process.

A.3) Integrating Demand Response into the audits

All retrofit projects will be assessed for opportunities to reduce peak demand. Where feasible and where financing opportunities exist, solar, and other alternatives energy projects will be considered for project inclusion.

A.4) Technical assistance for project management, training, audits, etc.

Each partnership has a specific budget for each of these elements. Standard programs available include EE training, energy audits, and technical assistance in alignment with the Master PIP. The San Bernardino Associated Governments already has professional technical support under contract and will explore opportunities to extend this support to its 14 member cities. It is intended that this technical support will include training and education for local government facility managers, energy managers and other staff in use of best practices methodology for identifying and implementing energy efficiency opportunities in their facilities. Additionally, assistance will be provided on the analysis of city facilities that will be conducted to identify demand reduction projects with energy conservation measure alternatives.

A.5) Financing Options/On-Bill Financing

The Partnership will provide information regarding financing options, including On-Bill Financing, revolving EE funds, and other potential projects and financing instruments that can assist with the upfront costs of energy efficiency retrofits.

Core Program Element B: Strategic Plan Support

B.1) Code Compliance Support

The San Bernardino Regional Energy Partnership will encourage a culture of energy code compliance improvement and will develop various strategies across the partnering cities to improve compliance with building energy standards and appliance regulations. The partnership will conduct focused energy code training targeted to the San Bernardino region including workshops for municipal planning and building staff, building professionals, and contractors.

B.2) Reach Code Support

The partnership will work toward establishing meaningful CEC-approved Reach codes as part of its effort to add value to EE in alignment with the strategies stated in the Master

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PIP. This activity will follow the proposed path described in the Codes & Standards (C&S) PIP.

B.3) Guiding Document(s) Support

The San Bernardino Regional Energy Partnership objectives will include development and support of Energy Action Plans and Climate Action Plans to document baseline energy use and emissions, as well as establishing documentation in alignment with the strategies as described in the Master PIP. These baselines will be used to set and achieve emission reductions and energy savings. Individual city plans will be used to develop a regional energy savings plan.

B.4) Financing for the community

The San Bernardino Regional Energy Partnership will provide education and outreach programs for the partnership communities in alignment with the strategies as described in the Master PIP. The partnership will coordinate with any available community financing programs, including the existing Property Assessed Clean Energy (PACE) program, marketed as the HERO Program.

B.5) Peer to Peer Support

The San Bernardino Regional Energy Partnership will actively participate and support peer-to-peer collaboration through forums and best practice sharing with partnering cities and through the strategies as described in the Master PIP. This will expedite the process of learning curve of how partnership operates and increase the knowledge of EE to better serve the communities. The partnership will encourage the participating cities to attend training, access to information and exchange best practices with other cities.

Core Program Element C: Core Program Coordination

C.1) Outreach & Education

The partnership will establish a comprehensive Marketing Education & Outreach (ME&O) Plan that will be expanded to incorporate: deep retrofit strategies among the 14 member cities and their business communities including but not limited to Retro-Commissioning, Energy Upgrade California, educational workshops to assist cities in moving forward with energy savings projects, policies, codes, and ordinances; general awareness events and exhibits to publicize the partnership and its goals throughout the communities (including environmental fairs and expos); marketing EE programs through a variety of media channels including mailers, press releases, and quarterly e-newsletters; and special workshops, as well as co-branding and program leveraging throughout the 14 cities.

C.2) Residential and Small Business Direct Install

No Direct Install initiatives are planned at this time through SoCalGas. The partnership will promote outreach efforts to support and coordinate with the SoCalGas' and SCE's core programs and Third Party Programs for San Bernardino commercial and small business customers as well as leverage existing member cities chambers of commerce, bill mailing inserts, and municipal publications to distribute information and drive greater participation.

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C.3) Third-party program coordination

The partnership will actively support third party programs through the strategies as described in the Master PIP. The Partnership will continue to cultivate the relationship with both residential and commercial third party programs and deliver the message and venues to the City and the community as expressed in the Master PIP.

C.4) Retrofits for ESA-qualified customers

The partnership will support retrofits for those who qualify for this program through active outreach and marketing. The Partnership will invite Energy Savings Assistance (ESA) Program Managers to Partnership meetings to present the program offerings and assist Cities to reach out to the community through marketing and outreach events.

C.5) Technical assistance for program management, training, audits, etc.

The Partnership plans to utilize a portion of its resources to this particular activity. The Core Programs provided by SoCalGas and SCE will be utilized to reach their appropriate audience and will work continuously to identify other programs that may serve the constituents of the participating jurisdictions more effectively. These programs may include, but are not limited to: Savings by Design (SBD), Home Energy Efficiency Rebates (HEER), Water Heater Rebates, Express Efficiency, Retro-Commissioning, Upgrade California, Comprehensive Manufactured Home, Multi-family Energy Efficiency Rebate (MFEER) Program, Home Energy Efficiency Survey (HEES) Program, and ESA, Middle Income Direct Install (MIDI), etc. The Partnership will also coordinate with the SoCalREN programs.

c) Non-incentive services

The San Bernardino Regional Energy Partnership will leverage its portfolio of ME&O activities to deliver non-incentive services such as those listed below. These non-incentive services are designed to increase community enrollment in energy core programs and participation in SoCalGas and SCE services and resources:

- Account Executive/Manager support;
- Training at the SoCalGas' Energy Resource Center (ERC) and SCE's Energy Education Center in Irwindale;
- Speakers bureau;
- Limited giveaways such as opportunity drawings and EE Starter Kits, and free CFLs;
- Scheduling special events such as SCE's Operation Lamp Exchange;
- Marketing;
- Design and printing of brochures and other collateral materials; and
- Media/Press/Publicity support.

d) Target audience

The target audience consists of City and county staff, management and policymakers (elected officials), and residential and business customers in the San Bernardino region.

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3. Program Element Rationale and Expected Outcome

a) Quantitative Baseline and Market Transformation Information

By its nature, market transformation occurs as a result of numerous factors and programs, not single sub-programs. Therefore, all metrics and goals are proposed at the highest program level. Please refer to the quantitative baseline and market transformation discussion, presented in the overarching PIP section.

Program/Element	Baseline Metric		
	Metric A	Metric B	Metric C
Program/Element	N/A	N/A	N/A

b) Market Transformation Information

By its nature, market transformation occurs as a result of numerous factors and programs, not single sub-programs. Therefore, all metrics and goals are proposed at the highest program level. Please refer to the quantitative baseline and market transformation discussion, presented in the overarching PIP.

Program/Element	Market Transformation Planning Estimates
Program/Element	2015
Metric A	N/A
Metric B	N/A
Metric B	N/A
Etc.	N/A

c) Statement of Compliance with Deep Retrofits Mandate for New and Expanded Partnerships

The newly proposed SoCalGas and SCE partnership will have a special emphasis on Deep Retrofit targets, which will have the partnership demonstrate the installation of one or more measures from the following menu. A project may also be defined across IOU's (e.g., joint SoCalGas and SCE project):

HVAC solutions	Refrigeration solutions*
Targeted Advanced-technology Lighting solutions (i.e., LED)*	Water-Energy nexus solutions
Water Heating	RetroCommissioning
Combined electricity and gas measures	

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Process Solutions

*Identifies electric measures which are applicable to SCE only and SoCalGas will not provide incentives for these measures.

4. Other Program Element Attributes

a) **Best Practices**

The San Bernardino Regional Energy Partnership will embody the best practices strategies described in the Master PIP.

b) **Innovation**

With local governments being well aware of the social and economic dynamics of their businesses and residents, institutional knowledge at both the individual and collaborative level will be leveraged. City officials will be recruited and utilized as advocates. City facilities will be enrolled into different energy programs. There will be periodic team meetings during which agencies can engage in peer-to-peer problem solving. Energy initiatives and commitment to addressing energy issues will be required to be incorporated into new and existing Energy Action Plans. Workshops, events and presentations will empower the communities and their local government with the knowledge needed to recognize concepts and benefits. The significant benefits of EE demand response (DR) and renewable resources will be the foundation for training focused on behavioral change and sustainable participation.

c) **Interagency coordination**

Through the participation of SoCalGas and SCE, all partners of the San Bernardino Associated Governments (SANBAG), a comprehensive and integrated approach to EE, natural gas efficiency, water efficiency as well as wastewater, storm water and potable water capital projects will be identified and developed ensuring that the municipalities are as energy efficient as possible. The San Bernardino Regional Energy Partnership through its local government and consulting network will encourage coordination with agencies and initiatives as noted within the Master PIP as well as with the participating IOUs, SCE and SoCalGas.

d) **Integrated/coordinated Demand Side Management**

The IOU's have identified Integrated Demand Side Management (IDSM) as an important priority. As a result they have proposed the establishment of a Statewide Integration Task Force (Task Force). Local Government partnerships will monitor the progress of the

Statewide IDSM efforts and work closely with the Task Force to identify comprehensive integration approaches and to implement best practices. See Master PIP.

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e) Integration across resource types (energy, water, air quality, etc.)

The partnership promotes comprehensive sustainability, including water conservation, solid waste management, and alternative mobility.

f) Pilots

No pilots are planned at this time through this partnership but the partnership will be available to promote emerging technologies.

g) EM&V

Not applicable to this program.

5. Partnership Program Advancement of Strategic Plan Goals and Objectives:

Although the Strategic Plan is in the process of being updated, the Partnership will target the existing Strategic Plan Objectives until the Strategic Plan, Local Government Chapter is updated.

Table 6

Strategic Plan Strategy	Program Approach to Achieving Strategic Plan Goal
1-1: Develop, adopt and implement model building energy codes (and/or other green codes) more stringent than Title 24's requirements, on both a mandatory and voluntary basis; adopt one or two additional tiers of increasing stringency.	Several jurisdictions have adopted green building codes. Training and information will be provided to cities about Title 24 and ways to encourage more stringent energy codes on a voluntary basis.
1-2: Establish expedited permitting and entitlement approval processes, fee structures and other incentives for green buildings and other above-code developments.	The Partnership will offer training and educational workshops for jurisdictions planning and building department staff regarding opportunities for expedited permitting and other incentives, green building codes and energy efficient design.
1-3: Develop, adopt and implement model point-of-sale and other point-of transactions relying on building ratings.	The potential for this will be evaluated.
1-4: Create assessment districts or other mechanisms so property owners can fund EE through city bonds and pay off on property taxes; develop other EE financing tools.	SANBAG has already developed a multi-million dollar regional Program, (HERO) for residents and businesses in San Bernardino County to implement energy efficient improvements using low-interest loans that would be repaid over time through annual tax payments. California law allows for local jurisdictions to enter into contractual assessments with property owners for such improvements.
1-5: Develop broad education program and peer-to-peer support to local governments to adopt and implement model reach codes.	The Partnership will work to enhance education and peer-to-peer support for local governments.

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Strategic Plan Strategy	Program Approach to Achieving Strategic Plan Goal
1-6: Link emission reductions from “reach” codes and programs to CARB’s AB 32 program	The potential for this will be evaluated.
2-2: Dramatically improve compliance with and enforcement of Title 24 building code, and of HVAC permitting and inspection requirements (including focus on peak load reductions in inland areas).	The Partnership will support the development of training and education programs.
2-3: Local inspectors and contractors hired by local governments shall meet the requirements of the energy component of their professional licensing (as such energy components are adopted).	The potential for this will be evaluated.
3-1: Adopt specific goals for efficiency of local government buildings	Various opportunities for improved efficiency, including environmentally preferred purchasing policies, and incentives will be shared with the cities.
3-2: Require commissioning for new buildings, and re-commissioning and retro-commissioning of existing buildings.	Energy efficiency upgrades and retro-commissioning of municipal facilities is a major goal.
3-4: Explore creation of line item in local governments’ budgets or other options that allow EE cost savings to be returned to the department and/or projects that provided the savings to fund additional efficiency.	The potential for this will be evaluated.
3-5: Develop innovation Incubator that competitively selects initiatives for inclusion in local government pilot projects.	The potential for this will be evaluated and explored with participating jurisdictions to see if it could be effective.
4-1: Local governments commit to clean energy/climate change leadership.	The potential for this will be evaluated.
4-2: Use local governments’ general plan energy and other elements to promote energy efficiency, sustainability and climate change.	Energy efficiency efforts will be integrated with climate action leadership.
4-4: Develop local projects that integrate EE/DSM/water/wastewater end use.	Training and educational opportunities to explore ways to promote energy efficiency, sustainability and greenhouse gas reduction through general plans and community planning will be sought.
4-5: Develop EE-related “carrots” and “sticks” using local zoning and development authority.	The potential for this will be evaluated.