

**RESOLUTION NO. 7540**

**CITY OF SOUTH GATE  
LOS ANGELES COUNTY, CALIFORNIA**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF  
SOUTH GATE ESTABLISHING THE CITY'S ENERGY  
ACTION PLAN TO MEET ITS VISION OF FISCAL AND  
ENVIRONMENTAL STEWARDSHIP**

**WHEREAS**, City Council previously approved the Local Government Energy Leader Partnership Program with Southern California Edison that was established to help local governments increase energy efficiency and the use of renewable energy; reduce Greenhouse Gas emissions; protect air quality; and ensure the communities are more livable and sustainable; and

**WHEREAS**, the City received funding from Southern California Edison to conduct a strategic plan program based on the California Public Utility Commission's California Energy Efficiency Strategic Plan to promote energy efficiency and sustainability practices in the City including the development of an Energy Action Plan; and

**WHEREAS**, the City created an Energy Action Plan to establish a long-term vision to reduce electricity energy usage and energy cost at municipal facilities by implementing cost effective energy efficiency measures as a key energy resource and strategy; and

**WHEREAS**, the Energy Action Plan provides direction on energy reduction initiatives and best energy management practices to ensure the City is recognized as a model agency for other cities in the region and state; and

**WHEREAS**, the City's General Plan update process revealed that "the greening of South Gate" is a top priority which the Energy Action Plan will help achieve the vision of a greener South Gate with the City leading by example through the energy usage practices and efficient operations of municipal facilities;

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SOUTH GATE  
DOES HEREBY RESOLVE AS FOLLOWS:**

**SECTION 1.** The above recitals are all true and correct.

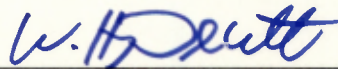
**SECTION 2.** The City of South Gate supports a commitment to sustainable practices through energy efficiency, and provides leadership and guidance in promoting, facilitating, and instituting such practices in municipal operations.

**SECTION 3.** The City Council of the City of South Gate hereby adopts the Energy Action Plan attached hereon as Exhibit A.

**SECTION 4.** The City Clerk shall certify to the adoption of this Resolution which shall be effective upon its adoption.

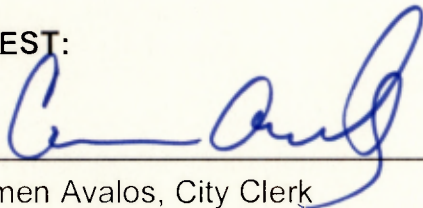
**PASSED, APPROVED and ADOPTED** this 11<sup>th</sup> day of December 2012.

**CITY OF SOUTH GATE**



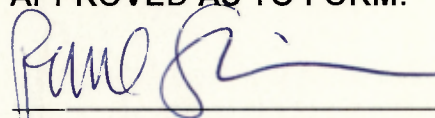
W.H. (Bill) De Witt, Mayor

**ATTEST:**



Carmen Avalos, City Clerk  
(SEAL)

**APPROVED AS TO FORM:**



Raul F. Salinas, City Attorney



EXHIBIT "A"



## City of South Gate

November 2, 2012

Electricity Chapter

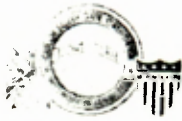
# Energy Action Plan





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## Executive Summary

The City of South Gate is responsibly committed to enhancing the community's quality of life, and creating opportunities for its residents and businesses to thrive and prosper. Fiscal and environmental stewardship are important elements of this responsibility.

In the City's "Green Element" section of the General Plan, the City has made a bold commitment:

*"Create a more attractive and livable community by "greening" the City with trees and landscaping, building more parks and open spaces, and promoting a sustainable relationship with nature."*

This *Energy Action Plan* ("Plan") is a critical element of the City's overall strategy to meet its vision of fiscal and environmental stewardship. Energy costs are expected to continue to increase as a result of population growth, climate change regulations, increased demand on limited supplies, and the need to upgrade and expand the aging infrastructure that supplies our electricity. Environmental regulation is expected to only increase as the State of California continues to take a leadership position in dealing with the challenge of global climate change.

The development of this Plan builds on the City's first "green" action, which entailed completing a 2005 inventory of all greenhouse gas emissions. This included inventorying municipal greenhouse gases (GHG) and establishing a GHG emission reduction target.

This Plan is focused on electricity. The Plan will lay out a long-term strategy for significantly reducing the City's electricity consumption and costs. The overall vision of the Plan is as follows:

- Reduce energy consumption and demand in municipal operations by as much as technically and economically feasible
- Achieve as close to a "zero-net energy"<sup>1</sup> city as possible by the year 2030
- Reduce electricity expenditures on an annual basis
- Increase the use of clean energy sources to supply electricity demand from facilities
- Meet or exceed compliance with all mandatory regulatory requirements and other statewide objectives (e.g., AB 32, California Long-Term Energy Efficiency Strategic Plan)

Starting with the 2005 baseline year, the City's goals are to reduce electricity consumption 20% by 2015; 25% by 2020; and 30% by 2030. The potential positive impacts of reaching these goals is significant, including avoiding up to \$3 million in cumulative energy costs savings through 2030. The Plan establishes an effective road map on how the City will achieve these municipal energy reduction targets through comprehensive planning and structured implementation.

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<sup>1</sup> Net-zero energy is the condition where after implementing all possible energy conservation measures, the remaining annual energy consumption is offset by the production of clean energy by solar photovoltaics such that the annual "net" electricity consumption is zero kWh.



Although these goals may appear aggressive, the City believes that there are several driving factors that will make them readily achievable. These factors include access to rapid improvement in energy efficiency technologies such as solid-state, light emitting diode (LED) lighting that in time will reduce all lighting demand by as much as 80 percent. LED applications are rapidly increasing as prices drop precipitously. As such, we expect most, if not all lighting will be replaced with LEDs by 2030. Additionally, the costs of solar photovoltaic continue to decrease such that solar will soon cost less than can be supplied from the grid. This will drive a rapid increase in the use of solar for municipal facilities by 2030. Another factor is the rapid growth of the availability of innovative financing of energy projects, such as utility on-bill financing and the California Energy Commission's low interest loan. These financing options will help fund more energy saving projects with a neutral or nominal impact on the operating budget. Most importantly, the City is committed to smart energy management practices and will empower key staff to lead the City to a more energy efficient future.

In developing the strategies associated with the Plan, the City (a) analyzed past and current operational conditions by reviewing municipal energy consumption and demand, (b) established target reduction goals and energy management initiatives, (c) identified near-term energy conservation measures, and (d) created an implementation plan to ensure the success of the Plan.

This Plan is an important step forward in the City's acknowledgement that a Green City starts with a strong commitment to smart energy management practices. This Plan is made possible by funding provided through a partnership with Southern California Edison (SCE). The partnership goal is to help municipalities implement several energy efficiency and climate activities, as called for in California's *Long-Term Energy Efficiency Strategic Plan*<sup>2</sup> (CLEESP) promulgated by the California Public Utilities Commission (CPUC).

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<sup>2</sup> <http://www.cpuc.ca.gov/PUC/energy/Energy+Efficiency/eesp/>