



Agenda Item #: _____

Staff Report

City of Manhattan Beach

TO: Honorable Mayor Aldinger and Members of the City Council

THROUGH: Geoff Dolan, City Manager

FROM: Rod Uyeda, Police Chief
Lindy Coe-Juell, Assistant to the City Manager
Richard Thompson, Community Development Director
Bruce Moe, Finance Director
Jim Arndt, Public Works Director

DATE: August 7, 2007

SUBJECT: Consideration of Adoption of Resolution No. 6111 in Support of the City of Manhattan Beach Joining the Cities for Climate Protection Campaign

RECOMMENDATION:

Staff recommends that the City Council adopt Resolution No. 6111 supporting Manhattan Beach's inclusion as a member in the Cities for Climate Protection Campaign (CCP), a program to promote local actions to reduce greenhouse gas emissions developed by the International Council for Local Environmental Initiatives (ICLEI), of which Manhattan Beach is applying for membership. By joining this voluntary program, the City will commit to the establishment of a greenhouse gas reduction goal and development of an action plan for achieving that goal. In return, the City will receive free assistance from ICLEI for the development and implementation of the action plan. Similar plans implemented in other member cities have resulted in significant energy and cost savings for those cities.

FISCAL IMPLICATION:

There is no immediate fiscal impact in adopting this resolution. Additional City resources may be necessary in the future if the City needs to research records and determine both baseline and future greenhouse emission quantities.

BACKGROUND:

Atmospheric levels of carbon dioxide (CO₂) and other so-called greenhouse gases (GHGs) have dramatically increased over the past 200 years due to human activities such as the burning of fossil fuels for energy production, transportation, and industry. The scientific community warns that these increases will enhance the earth's natural greenhouse effect by trapping more radiant heat, significantly affecting the global climate. Global climate change will likely result in rising sea levels, increase in the severity and number of tropical storms, and marked changes in regional precipitation patterns.

In an effort to address the issue of global climate change, ICLEI, an international association of local governments dedicated to the solution of local, regional, and global environmental problems, launched the Urban CO2 Reduction Project in 1991. Six North American cities and six European cities were chosen to participate in this pilot project, which was designed to analyze and quantify each city's GHG emissions and develop local action plans to help the cities achieve a 20% reduction in emissions. Initial results of the pilot project have shown that the pilot cities have achieved significant energy savings and corresponding financial savings by taking steps to reduce their emissions. Building on the success of the pilot program, ICLEI recently initiated the Cities for Climate Protection Campaign. Partially funded by the Environmental Protection Agency (EPA), the Campaign promotes local action to reduce GHG emissions to a much wider group of cities.

DISCUSSION

As a result of the City Council approval of Resolution No. 6077, endorsing the United States Mayors Climate Protection Agreement, and a 2007 – 2008 City Council Work Plan item to research Environmental Best Practices Programs, City Staff has researched ways of conducting an inventory of global warming emissions in City operations. ICLEI has a program called the Cities for Climate Protection (CCP) Campaign whose goals are to: 1) strengthen local commitment to reduce GHG emissions, 2) utilize management and planning tools developed by ICLEI to determine local energy use and develop strategies for conservation, 3) promote best practices to reduce energy use in the building and transportation sectors, and 4) enhance national and international ties by providing a collective voice for municipalities. All of these goals fall into the City's efforts regarding Resolution No. 6077 and Work Plan item regarding Environmental Best Practices.

To become a member of the Campaign, a city must pledge to develop an action plan to reduce local emissions of GHGs; to reduce energy use and emissions associated with municipally controlled operations; and to undertake initiatives to reduce GHG emissions throughout the municipality. As this is a voluntary program, there are no mandatory measures or reporting requirements. Participating cities are free to choose their own specific goals, policies, and programs, and there are no sanctions for not reaching specified goals. There is a nominal cost of \$600 to become a member of ICLEI, which includes the cost of software to assist in measuring our GHG's. Funds are available in the City Council's budget for this membership.

After joining the Campaign, each member city receives information and assistance for developing a local action plan, as well as copies of all publications that were developed in conjunction with the Urban CO2 Reduction Project. The Campaign also provides member cities with a framework for developing the analytical methods necessary to quantify GHG emissions and a forum for exchanging information on successful programs and policies.

A typical action plan for achieving reductions in GHG emissions contains energy efficiency programs and policies related to transportation, buildings, resource management, and land use. Typical programs include energy efficient retrofit of public buildings and switching to alternative-fueled fleet vehicles. These types of programs are currently in place or are being developed as part of the City Council's Work Plan item regarding Environmental Best Practices, which was adopted by the Council in June of 2007. This being the case, complying with the

terms of membership in the Campaign will require little more than implementing and refining the elements of this existing program.

The City's newly formed "Green Team" has reviewed the goals, objectives, and methods of the Cities for Climate Protection Campaign and found them to conform with the "Cool Cities" Resolution (No. 6077) and the Council's Work Plan item regarding Environmental Best Practices. The campaign's focus on global climate change ties in with one of the guiding principles of the Cool Cities Program which states that Manhattan Beach recognizes its link with the regional, national and global community, and that local environmental problems and ameliorative actions cannot be separated from their broader context. The Green Team unanimously approved a motion recommending that Council approve the City's membership in this program. It is the Green Team's intent to advise Council in November the status of the City regarding our current Environmental Best Practices, along with recommendations for other Best Practices that are in place in other municipalities and/or counties.

RECOMMENDATION

It is recommended that the City Council adopt the attached resolution supporting Manhattan Beach's membership in the Cities for Climate Protection Campaign.

- Attachments: A. Resolution No. 6111
B. Staff Report Dated January 16, 2007 regarding Resolution No. 6077 endorsing the United States Mayors Climate Protection Agreement

Resolution Number 6111

A RESOLUTION OF THE CITY COUNCIL OF MANHATTAN BEACH SUPPORTING THE MEMBERSHIP OF MANHATTAN BEACH IN THE CITIES FOR CLIMATE PROTECTION CAMPAIGN

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF MANHATTAN BEACH, CALIFORNIA, DOES HEREBY FIND, DETERMINE AND DECLARE AS FOLLOWS:

SECTION 1. The City Council hereby makes the following findings:

A. The worldwide scientific community believes that carbon dioxide and other gases released into our atmosphere are virtually certain to have profound effects on the Earth's climate, including increased average global temperatures, more severe storm patterns, and higher sea levels; all of which pose significant risks to both natural ecosystems and human societies; and

B. At the 1992 Earth Summit in Rio de Janeiro, the United States signed the United Nations Framework Convention on Climate Change, which calls for reducing greenhouse gas emissions to 1990 levels by the end of the decade; and

C. Actions taken to reduce greenhouse gas emissions and increase energy efficiency can provide multiple local benefits to the City government and the community by: decreasing air pollution, creating jobs, reducing energy expenditures, and saving money for the City and its citizens; and

D. The Cities for Climate Protection will provide participating cities with: 1) a framework for determining the sources of local greenhouse gas emissions; 2) information and assistance for developing a local action plan to reduce energy demand and greenhouse gas emissions; and 3) helpful publications, including Climate Action Tool Kit for Municipal Managers and Profiting from Energy Efficiency;

THE CITY COUNCIL OF THE CITY OF MANHATTAN BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 2. The City of Manhattan Beach pledges to join with cities from all over the world in the Cities for Climate Protection Campaign.

SECTION 3. As a participant in the Cities for Climate Protection Campaign, the City of Manhattan Beach pledges to: 1) Take a leadership role in increasing energy efficiency and reducing greenhouse gas emissions from Municipal Operations; 2) Develop a Local Action Plan to increase energy efficiency and reduce greenhouse emissions throughout the community, 3) Be an

advocate for energy efficiency and climate protection at the state and national levels.

SECTION 4. The City Clerk shall certify to the adoption of this resolution, and thenceforth and thereafter the same shall be in full force and effect.

PASSED, APPROVED AND ADOPTED this 7th day of August, 2007

Ayes:
Noes:
Absent:
Abstain:

Mayor, City of Manhattan Beach, California

ATTEST:

CITY CLERK

APPROVED AS TO FORM:

By _____
Robert V. Wadden, Jr.
City Attorney



Agenda Item #: _____

Staff Report

City of Manhattan Beach

TO: Honorable Mayor Tell and Members of the City Council

THROUGH: Geoff Dolan, City Manager

FROM: Neil Miller, Director of Public Works
Richard Thompson, Director of Community Development

DATE: January 16, 2007

SUBJECT: Approval of Resolution No. 6077 Endorsing the U. S. Mayors Climate Protection Agreement

RECOMMENDATION:

Staff recommends that the City Council consider Resolution Number 6077 which endorses the U.S. Mayors Climate Protection Agreement.

FISCAL IMPLICATION:

There is no immediate fiscal impact in adopting this resolution. Additional City resources may be necessary in the future if the City needs to research records and determine both baseline and future greenhouse emission quantities.

BACKGROUND:

At the November 21, 2006 City Council meeting, several residents addressed the City Council about signing on to the U.S. Mayors Climate Protection Agreement. After testimony from several speakers, the City Council directed staff to prepare a report and resolution to consider the adoption of the principles of the Climate Protection Agreement.

DISCUSSION:

The Mayors Climate Protection Agreement is an outgrowth of the Kyoto Protocol to combat global warming. The Kyoto Protocol is an agreement signed by many nations that set forth greenhouse gas reduction goals. The United States of America federal government did not sign the Kyoto Protocol.

Since that agreement in 2005, several mayors of the nation's largest cities, including Seattle and Los Angeles, have created the Mayors Climate Protection Agreement. The intent of the agreement is to have as many cities as possible agree to the greenhouse gas reduction principles and therefore be able to put political pressure on the Federal Government to agree to the terms of the Kyoto Protocol.

City staff has evaluated the commitment aspects of the Climate Protection Agreement and finds the

actions required to be reasonable and attainable. Our City has been proactive in engaging in energy saving programs such as:

- Retrofit to energy saving light fixtures throughout City facilities
- Acquisition of alternate fuel vehicles or high efficiency vehicles
- Retrofit of all major water and wastewater pump stations with state-of-the-art, energy efficient pumps and motors
- Built Police Fire Facility to Energy Saving Standards
- Retro-fitted traffic signals to energy saving LED light fixtures
- Reached 50% community recycling goal
- City provides an incentive for employee ride sharing
- Implemented tree preservation ordinance
- Utilize recycled water in parks and street medians
- Installed heat reducing window film to several City facilities
- Implemented recycled materials purchasing policy
- Participate in energy conservation public education campaigns
- Utilize solar power for irrigation controllers

According to information from Mayor Greg Nickels of the City of Seattle, more than 200 mayors of cities across the nation have signed the agreement. Other cities in the region which have adopted the Climate Protection Agreement include Los Angeles, Long Beach, Santa Monica and Hermosa Beach.

At some point in the future, as more cities join this campaign, there will be an effort to quantify the effects of implementing the provisions of this resolution. For instance, we may be asked to measure the reduction of greenhouse gases that resulted from our actions over the last five years. When this occurs, the City will need to engage the services of a consultant experienced in developing these types of reports. The cost of such an analysis is unknown at this time.

attachment: Resolution number 6077

RESOLUTION NO. 6077

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
MANHATTAN BEACH, CALIFORNIA, ENDORSING THE US MAYORS
CLIMATE PROTECTION AGREEMENT

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF MANHATTAN BEACH,
CALIFORNIA, DOES HEREBY FIND, DETERMINE AND DECLARE AS FOLLOWS:

SECTION 1. The City Council hereby makes the following findings:

A. Recent, well-documented impacts of climate disruption include average global sea level increases of four to eight inches during the 20th century; a 40 percent decline in Arctic sea-ice thickness; and nine of the ten hottest years on record occurring in the past decade; and

B. Climate disruption of the magnitude now predicted by the scientific community will cause extremely costly disruption of human and natural systems throughout the world including: sea-level rises that interact with coastal storms to erode beaches, inundate land, and damage structures; more frequent and extreme heat waves; more frequent and greater concentrations of smog; and

C. Mayors from around the nation have signed the U.S. Mayors Climate Protection Agreement which, as amended at the 73rd Annual U.S. Conference of Mayors meeting, reads:

The U.S. Mayors Climate Protection Agreement

D. We urge the federal government and state governments to enact policies and programs to meet or exceed the target of reducing global warming pollution levels to 7 percent below 1990 levels by 2012, including efforts to: reduce the United States' dependence on fossil fuels and accelerate the development of clean, economical energy resources and fuel-efficient technologies such as conservation, methane recovery for energy generation, waste to energy, wind and solar energy, fuel cells, efficient motor vehicles, and biofuels; and

E. We urge the U.S. Congress to pass bipartisan greenhouse gas reduction legislation that includes: 1) clear timetables and emissions limits, and 2) a flexible, market-based system of tradable allowances among emitting industries, and

F. We urge the U.S. Congress to pass bipartisan greenhouse gas reduction legislation that includes: 1) clear timetables and emissions limits, and 2) a flexible, market-based system of tradable allowances among emitting industries, and

G. We will strive to meet or exceed Kyototo Protocol targets for reducing warming pollution by taking actions in our own operations and communities such as:

1. Inventory global warming emissions in City operations and in the community, set reduction targets and create an action plan, if feasible;
2. Support land-use policies that preserve open space, and create compact, walkable urban communities;
3. Promote transportation options such as bicycle trails, commute trip reduction programs, incentives for car pooling and public transit;
4. Increase the use of clean, alternative energy by, for example, advocating for the development of renewable energy resources, recovering landfill methane for energy production, and supporting the use of waste to energy technology;
5. Support energy efficiency through retro-fitting City facilities with energy efficient lighting and urging employees to save energy which saves costs;

- 6. Where feasible, purchase "Energy Star" equipment and appliances for City use;
- 7. Practice and promote sustainable building practices using the U.S. Green Building Council's LEED program or a similar program;
- 8. Increase the average fuel efficiency of municipal fleet vehicles; launch and employee education program including anti-idling messages; convert diesel vehicles to bio-diesel;
- 9. Evaluate opportunities to increase pump efficiency in water and wastewater systems;
- 10. Where feasible, increase recycling rates in City operations and in the community;
- 11. Maintain healthy urban forests; promote tree planting to increase shading and to absorb CO2; and
- 12. Support education of the public, school children, and other jurisdictions, service organizations; business and industry about reducing global warming pollution.

THE CITY COUNCIL OF THE CITY OF MANHATTAN BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 2. That the City of Manhattan Beach endorsed the U.S. mayors Climate Protection Agreement as amended by the 73rd annual U.S. Conference of Mayors meeting and urges mayors from around the nation to join this effort.

SECTION 3. The City Clerk shall make this Resolution reasonably available for public inspection within thirty (30) days of the date this Resolution is adopted.

SECTION 4. This resolution shall take effect immediately.

SECTION 5. The City Clerk shall certify to the adoption of this Resolution and thenceforth and thereafter the same shall be in full force and effect

PASSED, APPROVED, and ADOPTED this 16th day of January, 2007.

Ayes:
Noes:
Absent:
Abstain:

Mayor, City of Manhattan Beach, California

ATTEST:

City Clerk