



CITY COUNCIL SUSTAINABILITY COMMITTEE MEETING

Hayward City Hall – Conference Room 2A
777 B Street, Hayward, CA 94541-5007

Mission Statement:

Make Hayward a more sustainable community in order to ameliorate negative impacts of climate change, conserve natural resources and promote a clean environment.

October 6, 2010
4:30 p.m. – 6:00 p.m.

A G E N D A

- I. Call to Order
- II. Roll Call
- III. Public Comments: *(Note: All public comments are limited to this time period on the agenda. For matters not listed on the agenda, the Committee welcomes public comments under this section, but is prohibited by State Law from discussing items not listed on the agenda. Items not listed on the agenda brought up under this section will be taken under consideration and may be referred to staff for follow-up as appropriate. Speakers will be limited to 5 minutes each; organizations represented by more than one speaker are limited to 5 minutes per organization.)*
- IV. Approval of Minutes of September 1, 2010
- V. Update on State Green Building Code and its Impacts on Hayward's Green Building Ordinance, including Solar Requirements
David Rizk, Development Services Director
- VI. Beacon Award Program Summary
Erik Pearson, Senior Planner
- VII. General Announcements and Information Items from Staff
- VIII. Committee Referrals and Announcements
- IX. Next Meeting: Wednesday, November 3, 2010
Update on Status of Property Assessed Clean Energy (PACE) and CaliforniaFIRST Financing Programs Implementation
- X. Adjournment



CITY COUNCIL SUSTAINABILITY COMMITTEE MEETING
Hayward City Hall – Conference Room 2A
777 B Street, Hayward, CA 94541-5007

September 1, 2010
4:30 p.m.

MEETING MINUTES

I. Call to Order – Meeting called to order at 4:37 p.m. by Mayor Sweeney.

II. Roll Call

Members:

- Michael Sweeney, Mayor
- Olden Henson, Council Member
- Bill Quirk, Council Member (absent)
- Diane McDermott, Planning Commissioner
- Sara Lamnin, Planning Commissioner
- Al Mendall, Planning Commissioner
- Doug Grandt, Keep Hayward Clean and Green Task Force (KHCG)

Staff:

- Fran David, City Manager
- David Rizk, Development Services Director
- Bob Bauman, Public Works Director
- Erik Pearson, Senior Planner
- Amelia Schmale, Sustainability Coordinator
- Glen Martinez, Building Official
- Katy Ramirez, Administrative Secretary (recorder)

Others:

- Mike Gable, Gable Associates, LLC
- Rosemary Howley, Gabel Associates, LLC
- Jesús Armas, Hayward Resident
- Cynthia Chiasson, Realtor
- Laura Owen, Hayward Resident
- David Stark, Public Affairs Director, Bay East Association of REALTORS®
- Cam Bauer, Hayward Resident
- Christopher Epperson, Hayward Resident
- Sandy Frost, Hayward Community Gardens
- Jode Keating
- Michael Chaney
- Simon Wong, Government Editor, Tri-City Voice Newspaper
- Eric Kurhi, Reporter, Daily Review

Mayor Sweeney welcomed new Sustainability Committee members Sara Lammin and Diane McDermott.

III. Public Comments

Sandy Frost, Hayward Community Gardens - Ms. Frost said somebody gave her a heads-up that the Committee is looking for topics to prioritize for next year and said that she would like to propose that we put global food security and gardens as prime topics. Ms. Frost said that it appears that the gardens has not been considered and everybody is concerned about spending money and not thinking about open space and the wonderful resources we have locally.

Cynthia Chiasson, Hayward Resident and Real Estate Professional – Ms. Chiasson said that she is here as a Hayward resident and for the broker community regarding the residential energy conservation ordinance proposed for Hayward. Ms. Chiasson said that she has attended previous meetings and expressed concerns about the ordinance. Ms. Chiasson feels energy savings is important for the whole community and encourages the Sustainability Committee to look at ways for everyone to participate and not just those remodeling their homes or at point of sale. She said that we should educate one another and that brokers will help to educate people and their clients.

David Stark, Public Affairs Director for the Bay East Association of REALTORS® - Mr. Stark said that he would like to ask the Committee to consider alternatives to adopting the residential energy conservation ordinance (RECO) that includes point-of-sale requirements, and would like to point out a few observations about the staff report.

Mr. Stark said that the claim that the RECO is a high priority is 11 out of 25 actions of the Climate Action Plan and this appears to be a low priority, not a high priority. Mr. Stark said that the statement that RECOs exists in a field of cities in the Bay Area might be true; however, as was stated previously, RECOs that exist in other cities are nothing like the City of Hayward. Mr. Stark said that one of the report findings references Hayward's mild climate and its impact on energy use. Mr. Stark suggests that we take another look at Hayward's climate and the low usage of air conditioning, not only on the analysis prepared for the RECO but also on some of the assumptions that were presented in the Climate Action Plan. He said that we might want to examine exactly what impacts our very mild climate in Hayward has on residential energy usage, and maybe we are not responsible for the high percentage outlined in the report.

Mr. Stark said that the public testimony from the August 11th meeting is incomplete in the staff report. He said that the majority of the residents that participated in that meeting had very strong concerns about going with the point-of-sale trigger, and concerns about what the City was going to do for folks that are not selling their homes. Mr. Stark said that, unfortunately, these sentiments and the feedback from the residents were not conveyed in the staff report. Mr. Stark said that in terms of the correspondence

section of the staff report, Bay East Association of Realtors had wrote a letter to staff on January 28, 2010, and he has not seen a response to any of the concerns outlined in the letter. Mr. Stark said that the fiscal analysis section of the staff report is also incomplete; that this is the first time that inspection fees associated with implementation of a RECO are not discussed. He feels that this has a direct fiscal impact not only on Hayward residents but also on the City of Hayward, as well, and that perhaps we are looking at this RECO as a revenue generator for the City and not just as the subject of energy efficiency. Mr. Stark said that Mr. Mendall asked for alternatives and suggests that we look to a case study, such as the First Time Homebuyer's Program that was implemented by the City approximately 15 years ago. He said that this program touched homeowners and involved residents and real estate professionals in pulling the program together and is a huge success. Mr. Stark asked the Committee to work beyond the standard way of doing business by relying on Consultants and to look to the real estate community to be successful with promoting energy efficiency.

Laura Owen, Hayward Resident and Real Estate Agent – Ms. Owen said that she has lived in Hayward for almost 30 years; her husband was born and raised in Hayward, and her mother-in-law has lived in Hayward for over 50 years. She asked that the Committee not discount what she has to say because she is a real estate agent, and that she is aware of what is going on probably better than City staff.

Ms. Owen said that she is obviously speaking against point-of-sale for this particular RECO. She said that each person buying or selling property has to weigh the cost of buying and selling and she feels this would add an extra burden. Ms. Owen said that there are people in the Hayward community that have been here for years that have helped the community by upgrading their homes; and feels that this would cost them and be punitive because they have been a good influence in the community. Ms. Owen said that there are folks that are going to be selling their homes that do not have the income to do the upgrades, which means the added cost would fall on the buyers. She said that the buyers are trying to buy the most with their dollar and this will make them buy less than what they can afford, and again bring down the values of the properties in Hayward. Ms. Owen said that Hayward is already one of the cities with the lowest median sale prices in the Bay Area and she thinks part of that problem is because of residential rental inspection and property transfer tax and feels that this RECO is going to add to that burden.

Doug Grandt, Keep Hayward Clean and Green Task Force – Mr. Grandt said that at the June Sustainability Committee meeting he mentioned the "Let's Get to Work Day" to be held on 10/10/10. He said that Governor Schwarzenegger, Al Gore, Van Jones, have all said that we need to start working locally and not wait for Washington to solve our problems.

Mr. Grandt said that there are a lot of issues surrounding climate change and other justice issues and right now, it appears that the focus is more on food security and community security, more than just getting solar panels. Mr. Grandt said that he

changed his mind after talking to Sandy Frost, in that he plans to focus on the gardens because the gardens will be here forever; compared to a one-day event. Mr. Grandt said that we have the possibility of hunger, desperation, and chaos if some of these issues are not addressed, and feels that we have an opportunity with the gardens.

Mr. Grandt showed a two-minute trailer of a video titled “Everything is Connected on Earth,” that was prepared by his labor union, The Professional Engineers in California Government. He said that his main pitch is to ask the Committee for their guidance and support in approaching the Cinema to play the one-hour movie for free.

Mayor Sweeney suggested that this item continue under Committee Referrals and Announcements.

IV. Approval of Minutes of July 7, 2010 – minutes approved.

V. Update on Development of Residential Energy Conservation Ordinance (RECO)

Amelia Schmale, Sustainability Coordinator, introduced Mike Gabel of Gabel Associates, LLC, and said that Mr. Gabel has been spending the summer researching energy efficiency measures and cost effectiveness for the RECO and said he will be providing updates on his research.

Mr. Gabel provided a PowerPoint presentation that outlined the various topics below:

- What is a RECO? Why develop a RECO?
- Global Climate Change;
- Relevance to the Hayward Climate Action Plan;
- Retrofit Measures Analyzed for Cost-Effectiveness;
- Home Energy Rating System, Phase II (HERS2);
- Pending Incentives and Rebates;
- Trigger Options;
- Retrofit Costs and Paybacks;
- Greenhouse Gas Reductions versus CAP Goals;
- Criteria for Recommended Measures;
- Recommended Retrofit Measures;
- Cost Cap Recommendations; and
- Trigger Recommendations.

Questions and discussion from the Committee followed the presentation that was provided by Mr. Gabel. Some discussions items included: the reason for the recommended goals and triggers; upgrades to older buildings and establishing trigger dates in which to complete the upgrades; Hayward’s climate; the impact of point-of-sale, point-of-sale with a grace period, and other alternatives to point-of-sale; the critical role of incentive programs; and RECO models in other cities and their statistics regarding upgrades.

David Rizk, Development Services Director, said that in terms of community engagement, one of the items that was discussed after the August meeting was to have a special meeting in the fall to provide the community an opportunity to engage in the development of the RECO. Mr. Rizk said that the Climate Action Management Team is in the process of forming and will have their first meeting in October. He said that this Team will have a role in engaging the community on sustainability and the implementation of the Climate Action Plan.

In conclusion, Mayor Sweeney said that his sense is that everything is still on the table at this point regarding RECO. He said that the Committee wants to be able to accomplish its goals; that it's critical, and if there is a better way to accomplish them, then let's do it. Mayor Sweeney said that more work should go into refining the options on how we might do a better job at meeting our goals so that this group can make a recommendation to the City Council. Mayor Sweeney said that it appears that the Committee is fine with a community meeting and recommends that staff work on a date for sometime in the fall.

Mayor Sweeney said this was a good presentation and thanked everyone for good feedback.

VI. General Announcements and Information Items from Staff

Bob Bauman, Public Works Director, pointed out that the State killed the State-wide plastic bag ban, in case the Committee was not aware.

Doug Grandt said that the movie titled "Everything is Connected on Earth" is a 57-minute movie and available at no cost from his union, Professional Engineers, a California Government Union. Mr. Grandt is asking the Committee for their support in approaching the Cinema to ask that they show the video during the afternoon or late evening on 10/10/10.

Mayor Sweeney asked City Manager, Fran David, if she foresees any issues with asking the theater to work with Mr. Grandt on showing the movie for free; City Manager David responded no. Mayor Sweeney said that if there are no objections from the Committee, then Mr. Grandt has the support of the Sustainability Committee to approach the Cinema and ask that they show the video on 10/10/10, at no cost.

VII. Committee Referrals and Announcements

Olden Henson, Council Member, said that a group of Mayors met with Secretary of Energy Chu regarding the PACE program, and apparently the hold-up is somewhere in the White House. The recommendation is that cities that are concerned should contact the White House.

Mayor Sweeney said that he has a question for the group from one of his colleagues, Mr. Zermenio, and he is interested in the Committee potentially taking on the issue of

whether the City should have its own flower, tree, etc. Mayor Sweeney said that he realizes that this is not on our priority list; however, is seeking comments from the Committee.

Mr. Mendall noted that is not on his priority list.

Ms. Lamnin said that it appears to be community pride issue and should be dealt with; however, at a later time.

Mayor Sweeney said that he and the City Manager will go back to Mr. Zermeno and report back to the Committee later.

VIII. Next Meeting: Wednesday, October 6, 2010

- Update on State Green Building Code and its Impacts on Hayward's Green Building Ordinance, including Solar Requirements
- Beacon Award Update

IX. Adjournment: Meeting adjourned at 6:11 p.m.



CITY OF
HAYWARD
HEART OF THE BAY

DATE: October 6, 2010
TO: Mayor and City Council Sustainability Committee
FROM: Development Services Director
SUBJECT: 2010 California Green Building Code ("Cal Green")

RECOMMENDATION

That the Committee reads and comments on this report, and provides a recommendation to City Council regarding adoption of the California Green Building Standards Code.

BACKGROUND

The California Green Building Standards Code (also known as Cal Green) will be effective on January 1, 2011. Cal Green is a completely new component of the California Code of Regulations and it is the first Green Building Code in the United States. Just like the Building, Plumbing, Energy, Mechanical, and Electrical Codes that have been in place for decades, the new Green Building Standards Code will have its own continually updated volume and it will be enforced by every building department in California.

Unlike the other sections of the Building Code, which apply to any additions modifications or repairs, Cal Green **only applies to new buildings**. According to the California Building Standards Commission, future versions of Cal Green are expected to include remodels and tenant improvements as the Code evolves. Cal green covers the following aspects of construction:

- Planning and Design
- Energy Efficiency *
- Water Efficiency and Conservation
- Material Conservation and Resource Efficiency
- Environmental Quality

*The energy efficiency component Cal Green is not new, but it is connected to the current California Energy Code (commonly referred to as Title 24 or T-24).

Understanding the Tiers

Beyond a series of mandatory measures in the categories listed above, Cal Green also includes two 'tiers' that local governments may choose to adopt. Each tier adds a further set of green building measures in addition to a number of electives. For example, Tier 1 (for non-residential buildings) incorporates the following baseline requirements: a 15% improvement over T-24 Energy Code, a 30% water savings over a baseline formula, 65% waste reduction, 10% recycled materials, a cool roof requirement, and 10% of parking designated for fuel efficient vehicles. To achieve Tier 1 status, the project must also include one elective measure from each of the categories mentioned earlier (Planning and Design, Energy Efficiency, etc.). One example of an elective from the Energy Efficiency category is to provide 1% of a building's total power use from on-site renewable energy sources such as wind, geothermal, or solar.

For residential projects, the structure is similar. Tier 1 compliance for residential projects includes the following prerequisites: a 15% improvement over T-24, 65% reduction in construction waste, 20% permeable paving, 10% recycled materials, a cool roof requirement, 1.5 gallon-per-minute kitchen sinks, and a 20% cement reduction. Tier 1 compliance requires a total of ten elective measures: two elective measures from the Planning and Design category, four elective measures from the Energy Efficiency category, one elective measure from the water efficiency category, and one elective from the Environmental Quality section.

Tier 2 compliance requires that non-residential buildings meet the following prerequisites: a 30% improvement over T-24, 35% water savings, 80% construction waste reduction, 15% recycled materials, a cool roof, and 12% of parking dedicated to fuel efficient vehicles. To achieve Tier 2, the project must include a total of fifteen elective measures (three from each category).

Tier 2 compliance for residential buildings involves the following prerequisites: a 30% improvement over T-24 energy standards, 75% reduction in construction waste, 30% permeable paving, 15% recycled content, a cool roof requirement, reduced flow kitchen faucets, Energy Star compliant dishwashers at 5.8 gallons per cycle, and a 30% cement reduction. Tier 2 compliance requires seventeen additional elective measures taken from across each section of the Code. Achieving Tier 2 status is considerably more difficult than achieving Tier 1.

Both tiers are essentially pre-made green building ordinances that local jurisdictions can easily adopt. Since many jurisdictions do not have the staff or resources to craft custom ordinances, the Building Standards Commission wanted to provide Cities with an easy path to having above average buildings standards if they wish to do so. The tiers can be modified as needed to meet specific requirements or adopted just as they are without any changes. It is important to recognize that even if a local jurisdiction does not adopt the tiers, it will still be required to enforce the basic requirements of Cal Green.

DISCUSSION

How does Cal Green impact Hayward?

For a jurisdiction without a Green Building Ordinance, the introduction of Cal Green would certainly represent a fundamental change. Since Hayward was an early adopter of several mandatory green building measures, such as requiring Green Points Rating for new homes,

LEED Silver certification for City-funded projects that equal or exceed 20,000 square feet in area or \$5 million in construction costs, and the Indoor Water Use Efficiency Ordinance, the provisions in Cal Green will not involve new concepts for Hayward. Cal Green will mainly broaden the scope of the City's green building requirements.

The table below summarizes Hayward's current requirements and what will change in January, 2011.

PROJECT TYPE	CURRENT HAYWARD GREEN BUILDING REQUIREMENTS	NEW REQUIREMENTS UNDER CAL GREEN IN 2011
Additions to Single - Family Homes	<ul style="list-style-type: none"> • Hayward Water Efficiency Ordinance • Bay Friendly Landscape • Green Points Rated Checklist (educational purpose only) 	No Requirements
New Single- Family and Multi-Family Dwellings	<ul style="list-style-type: none"> • Green Points Rating (GPR) required at a minimum of 50 points. • Water Efficiency Ordinance • Bay Friendly Landscape • Solid Waste Ordinance <p><i>*Entitled tracts with approved vesting tentative maps as of January 1, 2009 are exempted from Green Points Rating</i></p>	<ul style="list-style-type: none"> • Comprehensive mandatory measures similar to GPR mandatory measures. (see Attachment I for comparison) • Water efficiency requirements similar to Hayward Water Use Efficiency Ordinance. <p><i>*Tracts will need to meet Cal Green mandatory measures—no exceptions.</i></p>
Commercial Tenant Improvements	<ul style="list-style-type: none"> • Hayward Water Efficiency Ordinance • Solid Waste Ordinance • Bay Friendly Landscape • Hayward Green Building Ordinance (Lighting wattage Restriction) 	No Requirements (unless the tenant improvement is the first build-out of a new shell building)
New Commercial Buildings	<ul style="list-style-type: none"> • Hayward Water Efficiency Ordinance • Solid Waste Ordinance • Bay Friendly Landscape • Hayward Green Building Ordinance (Lighting wattage Restriction) 	<ul style="list-style-type: none"> • Major mandatory measures for non-residential buildings include; VOC limits, site drainage, bicycle parking and commissioning. Many other mandatory measures are partially or fully covered under existing local requirements. • Water efficiency requirements similar to Hayward Water Efficiency Ordinance.
New City of Hayward funded buildings	LEED Certified - Silver	Same as above

From a customer service standpoint, there are some potential advantages to using the tiers as the basis for a Green Building Ordinance as opposed to third-party rating systems, such as Build It Green's Green Points Rating (GPR) for residential construction. These include statewide uniformity, reduced costs to the customer, and elimination of overlapping requirements. Build it Green, on the other hand, is superior to Cal Green tiers in certain ways, since it incorporates a centralized tracking system that can provide cities with data on the reduction of emissions associated with the number of GPR projects in their area. This service may be beneficial with regard to determining the level of emissions reductions related to new residential development associated with the Climate Action Plan reduction goals. Build it Green also believes that their system is slightly more rigorous than Cal Green Tier 1 or 2.

Hayward's Climate Action Plan

The Climate Action Plan (CAP) focuses on reducing greenhouse gas (GHG) emissions through reduced energy use. Energy use is one of many categories of requirements in green building. When future energy savings were estimated for projected GHG savings in the CAP, the following goals were established for the implementation of the green building ordinance for residential buildings:

Phase 1 (2009 – 2018) – reduce electricity use by 2% and reduce natural gas use by 2% in new homes

Phase 2 (2019 – 2029) – reduce electricity use by 75% and reduce natural gas use by 30% in new homes

Phase 3 (2030 – 2050) – reduce electricity use by 100% and reduce natural gas use by 75% in new homes

The City's current green building ordinance for residential buildings requires a green point rating, which requires at least a 15% improvement over T-24. A direct correlation between energy use and a percentage improvement over Title 24 cannot be made; however, Mike Gable of Gable Associates, in his *Climate Zone 3 Energy Cost-Effectiveness Study*, dated July, 2010 and prepared for PG&E, indicated that exceeding the 2008 T-24 requirements by 15% equates to reducing natural gas use by 14.8%. While the City's current ordinance may not be achieving the goal of reducing electricity use by 2%, the ordinance is meeting the overall goal of CO₂ equivalent emissions reduction related to the green building ordinance. For Phase 2, which begins in 2019, and Phase 3, which begins in 2030, the green building requirements will need to be significantly revised and will require the use of renewable energy to achieve the energy use goals.

The CAP also established the following goals for the implementation of the green building ordinance for commercial buildings:

Phase 1 (2009 – 2018) – reduce electricity use by 3% and reduce natural gas use by 3% in new buildings.

Phase 2 (2019 – 2028) – reduce electricity use by 75% and reduce natural gas use by 30% in new buildings.

Phase 3 (2029 – 2050) – reduce electricity use by 100% and reduce natural gas use by 75% in new buildings.

The City's current green building ordinance for commercial buildings requires one of the following three requirements be met:

1. The lighting load for such fixtures shall be reduced by at least 15% below 2008 Title 24 Building Energy Efficiency Standards; or
2. 15% of the lighting loads of such fixtures shall be provided by solar, wind, or other renewable energy source, as approved by the Building Official; or
3. The project must show compliance for overall energy budget at 5% below 2008 Title 24 Building Energy Efficiency Standards, using the performance method.

The current ordinance requirements *may* achieve the goal of reducing electricity use by 3%; however, the ordinance will need to be revised to ensure that Hayward meets the goal of 3% natural gas use reduction through 2018. For Phase 2, which begins in 2019, and Phase 3, which begins in 2029, the green building requirements for commercial buildings will need to be significantly revised and will require the use of renewable energy to achieve the energy use goals.

Requirements for Renewable Energy

Action 5.3 in the CAP calls for a renewable energy requirement to be added to the green building ordinance starting in 2013. At the time the CAP was adopted, it was expected that Property Assessed Clean Energy (PACE) financing would be available by now and that such financing would assist builders with complying with a renewable energy requirement. As was reported to the City Council on September 14, 2010, PACE programs have been put on hold pending action by the Federal Housing Finance Agency and the White House. Implementing action 5.3 will require amending the green building ordinance in 2012. Staff will monitor the progress of PACE implementation and provide regular updates to the Committee and the Council.

The CAP also suggests incorporating requirements for new buildings to be capable of accommodating solar photovoltaic or solar thermal systems (also known as “solar ready”) and also for new buildings to be plumbed for grey water systems. Staff will evaluate the practicality of adding such requirements to the green building ordinance in light of the fast pace of technological advances in such systems. Time to analyze the cost of compliance and to vet the possible requirements with the construction community will also be needed. Staff anticipates presenting more information to the Committee in 2011.

Overlapping Requirements

The introduction of Cal Green on January 1st will require some adjustments to how the City conducts plan review for certain projects. Currently there are a variety of ordinances that are enforced by Planning, Solid Waste, Utilities, and Engineering that are similar to some mandatory measures in Cal Green. These requirements fall in the following categories:

- Debris recycling
- Site Drainage
- Indoor and Outdoor Water Efficiency
- Alternative Vehicle Parking (bicycles and electric cars)
- Light Pollution Reduction
- Wood Burning Appliances

Some of the requirements in Cal Green may be more or less restrictive than similar City of Hayward ordinances. Planning, Solid Waste, Utilities, and Engineering staffs will need to carefully study Cal Green and identify any redundancies, and staff will produce a detailed chart later this year that clearly explains how City of Hayward Ordinances relate to Cal Green requirements.

Regional Coordination

The Bay Area Climate Collaborative (BACC), to which Hayward belongs, recently issued three recommendations for how local jurisdictions should approach implementation of Cal Green. Staff fully agrees with the following points (*see bullet points below each item for Hayward-specific responses and staff recommendations*).

1. Prioritize education and enforcement of Cal Green mandatory provisions.

- City Staff agrees with the concept of promoting education for new codes. Staff will need to place flyers at the counter alerting builders of the new requirements and post information on the City website. Plan checkers will be available to answer questions and guide permit applicants through the process.

2. Where above-code requirements are appropriate, continue to apply Green Point Rated and the LEED rating systems to achieve local goals.

- City of Hayward funded projects are currently required to be LEED certified at the level of "Silver". **This should not be replaced by Cal Green Tier 1 or Tier 2.** LEED represents the highest level of green building performance and will remain that way for the foreseeable future.
- New single-family and multi-family dwellings are currently required to be certified by Build It Green. This will stay in place.

3. If considering basing local requirements on a CAL Green Voluntary Tier, allow third-party rating systems as an alternative compliance path.

- In general, equivalent or more restrictive measures are usually allowed by the Building Official in any jurisdiction as an alternate. This common practice will stay in place as it relates to Cal Green.

NEXT STEPS

City staff will forward recommendations from the Committee to the City Council for consideration when the Council adopts the various Codes, currently scheduled for November. As mentioned above, staff will prepare information for the public to assist with determining how Cal Green relates to existing City regulations.

Prepared by: Steve Osborne, Senior Plan Checker, Glen Martinez, Building Official, and Erik Pearson, Senior Planner

Recommended by: David Rizk, AICP, Development Services Director

Approved by:



Fran David, City Manager

Attachments:

- Attachment I Build it Green Comparison of Cal Green Mandatory Measures and Green Points Rated Mandatory Measures
- Attachment II CALGreen Tiers and Green Point Rated Comparison
- Attachment III Comparison of City of Hayward Water Efficiency Ordinance to Cal Green Water Efficiency Mandatory Measures

GreenPoint Rated and CALGreen Mandatory Measure Comparison

DRAFT

CAL GREEN CODE MANDATORY MEASURES	GPR Points*	Single Family GPR Measure	Multifamily GPR Measure	GPR Threshold	NOTES / COMMENTS The GreenPoint Rated label is earned only with full third party verification.
Site Development					
4.106.2 Storm water management during construction.	0	Q1	Q1	Equal	Currently mandatory in most local districts
4.106.3 Design for surface water drainage away from buildings.	0	Q2	Q2	Equal	Current building code
ENERGY EFFICIENCY					
General					
A4.201.1 Meet Title 24 requirements	0	J2	J1	GPR Higher	Current building code GPR measure is 15% above code
WATER EFFICIENCY AND CONSERVATION					
Indoor Water Use					
4.303.1 Indoor water use shall be reduced by at least 20% using one of the following methods.					
1. Water-saving fixtures or flow restrictors shall be used.	7	G2a,b,c, G3	G1a,b,c,d	Equal	
2. A 20% reduction in baseline water use shall be demonstrated.	7+*	Q3	Q3	Equal	*Points can be earned depending upon water efficient features (GPR measures) are installed.
4.303.2 Multiple showerheads shall not exceed maximum flow rates.	incl	G2a	G1c	Equal	Requirement is included in the criteria of measures G2a and G1c
4.303.3 Plumbing fixtures comply with specified performance requirements.	incl	G2a,b, G3	G1a,b,c,d,iii,d iv	Equal	This measure requires all low flow bathroom fixtures, including non-residential fixtures in multifamily projects.
Outdoor Water Use					
4.304.1 Irrigation controllers must be weather-based	3	C6b	B1eii	Equal	
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY					
Enhanced Durability and Reduced Maintenance					
4.406.1 Seal annular spaces	1+*	Q4 J1b*, J2*	Q4 J1*, J2b*	Equal	*Points are earned for conducting a blower door test and the increased energy performance simulated in the T24 software. 2 points are earned for every 1% above Title 24. This measure is a current energy code requirement but testing for influence on energy performance is not required.
Construction Waste Reduction, Disposal and Recycling					
4.408.1 Divert a minimum of 50% of the construction waste	Req	A2a	A2a	Equal	Currently mandatory in most local districts
Building Maintenance and Operation					
4.410.1 An operation and maintenance manuals shall be provided to the building occupant or owner.	3	N4	N3a	Equivalent	
ENVIRONMENTAL QUALITY					
Fireplaces					
4.503.1 Gas fireplace shall be a direct-vent sealed-combustion type. Woodstove or pellet stove shall comply with US EPA Phase II emission limits	0+*	Q5 H7*	Q5	Equal	GPR threshold includes an efficiency rating designated by Canadian Standards Association. The standard is inclusive of direct venting and emissions.
Pollutant Control					
4.504.1 Protect duct openings during construction	2*	A5a	A3a	Equal	
4.504.2.1 Low VOC adhesives, sealants and caulks	2	K4	K4	Equal	
4.504.2.2 Low VOC paints, stains and other coatings	1	K2a, K3	K3a,c	Equal	
4.504.2.3 Low VOC aerosol paints and coatings	1*	K2a, K3	K3a,c	Equal	*Points are earned only when product is used in home.
4.504.2.4 Documentation of low VOC requirec		Policy	Policy	Equal	GPR policy to document
4.504.3 Low VOC carpet and carpet systems	2 - 3*	L3*, L4	L2*, L3	Equal	* Points earned for % of entire floor area coverage with low emitting material. CALGreen measure was added for convenience of verification but earns no points.
4.504.4 50% of resilient flooring shall low-emitting	2 - 3*	L3*, L4	L2*, L3	Equal	* Points earned for % of entire floor area coverage with low emitting material. CALGreen measure was added for convenience of verification but earns no points.
4.504.5 Meet Composite wood formaldehyde reduction requirements (ATCM)	Req	K7	K6	Equal	Code as of January 1, 2011

CAL GREEN CODE MANDATORY MEASURES	GPR Points*	Single Family GPR Measure	Multifamily GPR Measure	GPR Threshold	NOTES / COMMENTS The GreenPoint Rated label is earned only with full third party verification.
Interior Moisture Control					
4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.	0	Q6	Q6	Equal	Current building code for below grade slabs
4.505.3 19% moisture content of building framing materials	0	Q7	Q7	Equal	Current building code. CALGreen adds a requirement of verification.
Indoor Air Quality and Exhaust					
4.506.1 Bath exhaust fans in every bathroom, equipped with Energy Star fan and humidistat	1	H8	H4d	Equal	
Environmental Comfort					
4.507.1 Whole house exhaust fans shall have insulated louvers or covers	1	H9b	H3bii	Equal	
4.507.2 Duct systems are sized and designed, and equipment is selected using the following methods					
1. Establish heat loss and heat gain values according to ACCA Manual J or equivalent.	4	H1a	PH1	Equal	Current building code
2. Size duct systems according to ACCA 29-D (Manual D) or	incl	H1a	PH1	Equal	Current building code
3. Select heating and cooling equipment according to ACCA 36-S (Manual S) or equivalent.	incl	H1a	PH1	Equal	
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS					
Qualifications					
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	0	Q8	Q8	NA	The listed criteria is very broad and likely most HVAC contractors will meet one of the listed criteria.
702.2 Special inspectors employed by the enforcing agency must be qualified	0	Policy	Policy	GPR Higher	Jurisdiction determines level of qualification. GPR requires training and certification
Verifications					
703.1 Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certifications, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance	0	Policy	Policy	GPR Higher	GPR does not allow self-verification by builder.

PRELIMINARY
CALGreen Tier Pre-requisite Provision Review
For GreenPoint Rated Comparison

PRELIMINARY: The criteria for CALGreen Tiers is still in development. This analysis is based upon assumptions of CALGreen Tiers as written in the code appendices and is subject to change.

CAL GREEN CODE TIER PRE-REQUISITE PROVISIONS	*GPR Points	TIER 1	TIER 2	GPR Measure Number		GPR Threshold	NOTES / COMMENTS *The GreenPoint Rated label is earned only with full third party verification. *Points are earned if meet GPR criteria
				SF	MF		
PLANNING AND DESIGN							
Site Development							
A4.106.2.3 Topsoil shall be protected or saved for reuse as specified in this section.							
Tier 1. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion.	0*	X	X	A1a	A1a	GPR Higher	*The GreenPoint Rated criteria is a higher standard which is not feasible for many projects. Most projects would not be eligible for credit.
Tier 2. The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.	0*		X	A1b	A1b	GPR Higher	*The GreenPoint Rated criteria is a higher standard which is not feasible for many projects. Most projects would not be eligible for credit.
A4.106.4 Permeable paving is utilized for the parking, walking, or patio surfaces in compliance with the following:							
Tier 1. Not less than 20% of the total parking, walking, or patio surfaces shall be permeable. Driveway and entry walkway is exempted.	0*	X		PA1a	PA1a	GPR Higher	*The GreenPoint Rated criteria is a higher standard without exemption for driveways and walkways and may not be within reach of most green projects. Most projects would not be eligible for
Tier 2. Not less than 30% of the total parking, walking, or patio surfaces shall be permeable. Driveway and entry walkway is exempted.	0*		X	PA1a	PA1a	GPR Higher	*The GreenPoint Rated criteria is a higher standard without exemption for driveways and walkways and may not be within reach of most green projects. Most projects would not be eligible for
A4.106.5 Roofing materials still have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Reflectance Index (SRI)							
Tier 1. Roof covering shall meet or exceed the values contained in Table A4.106.5(1).	0*	X		J2	J1		*There is no GreenPoint Rated measure for this provision. Credit is gained by increasing energy efficiency performance metric captured in Title 24 software and 2 points are earned for every 1%
Tier 2. Roof covering shall meet or exceed the values contained in Table A4.106.5(2).	0*		X	J2	J1		*There is no GreenPoint Rated measure for this provision. Credit is gained by increasing energy efficiency performance metric captured in Title 24 software and 2 points are earned for every 1%

PRELIMINARY
CALGreen Tier Pre-requisite Provision Review
For GreenPoint Rated Comparison

PRELIMINARY: The criteria for CALGreen Tiers is still in development. This analysis is based upon assumptions of CALGreen Tiers as written in the code appendices and is subject to change.							
CAL GREEN CODE TIER PRE-REQUISITE PROVISIONS	*GPR Points	TIER 1	TIER 2	GPR Measure Number		GPR Threshold	NOTES / COMMENTS
				SF	MF		
ENERGY EFFICIENCY							
General							
A4.203.1 Exceed the California Energy Code requirements, based on the 2008 Energy Efficiency Standards, by 15%.	30*	X		J2	J1	Equal	*The GreenPoint Rated program includes a requirement for 15% above Title 24, earning 30 points.
A4.203.1 Exceed the California Energy Code requirements, based on the 2008 Energy Efficiency Standards, by 30%.	60*		X	J2	J1		*The GreenPoint Rated program includes a requirement for 15% above Title 24. 60 total points would be gained with a performance of 30% above T24.
WATER EFFICIENCY AND CONSERVATION							
Indoor Water Use							
A4.303.1 Kitchen faucets and dishwashers shall comply with this section.							
Tier 1. The maximum flow rate at a kitchen sink faucet shall not be greater than 1.5 gallons per minute at 60 psi.	0*	X	X	G2c	G1di	GPR Lower	*The GreenPoint Rated criteria is 1.8 gal/minute and is a required provision for CALGreen mandatory provisions. No additional points would be earned for this Tier provision.
Tier 2. In addition to the kitchen faucet requirements for Tier 1, dishwashers in Tier 2 buildings shall be ENERGY STAR qualified and not use more than 5.8 gallons of water per cycle.	3		X	M2	M1a	Equal	
A4.304.4 Provide water-efficient landscape irrigation design that reduces the use of potable water.							
Tier 1. Does not exceed 65% of Eto times the landscape area.	1 - 8*	X		C11a	B1gi	GPR Higher and Lower	*GreenPoint Rated awards credit for compliance with this measure plus prescriptive landscaping practices implemented. The GPR thresholds are 50% and 70% Eto
Tier 2. Does not exceed 60% of Eto times the landscape area.	2 - 9*		X	C11b	B1gi	GPR Higher and Lower	*GreenPoint Rated awards credit for compliance with this measure plus prescriptive landscaping practices implemented. The GPR thresholds are 50% and 70% Eto

PRELIMINARY
CALGreen Tier Pre-requisite Provision Review
For GreenPoint Rated Comparison

PRELIMINARY: The criteria for CALGreen Tiers is still in development. This analysis is based upon assumptions of CALGreen Tiers as written in the code appendices and is subject to change.

CAL GREEN CODE TIER PRE-REQUISITE PROVISIONS	*GPR Points	TIER 1	TIER 2	GPR Measure Number		GPR Threshold	NOTES / COMMENTS *The GreenPoint Rated label is earned only with full third party verification. *Points are earned if meet GPR criteria
				SF	MF		
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY							
Foundation Systems							
A4.403.2 Cement use in foundation mix design is reduced.							
Tier 1. Not less than a 20% reduction in cement use.	2	X		B1	D1	Equal	
Tier 2. Not less than a 25% reduction in cement use.	0*		X	B1	D1	GPR Lower	*2 points are earned when meet the GreenPoint Rated threshold of 20%. No additional points are available.
Construction Waste Reduction, Disposal and Recycling							
A4.408.1 Construction waste generated at the site is diverted to recycle or salvage in compliance with one of the following:							
Tier 1. At least a 65% reduction.	0 - 1*	X		A2b	A2b	GPR Higher	*Points are earned if meet higher GPR threshold which requires diverting 100% of asphalt and concrete plus 65% of remaining materials
Tier 2. At least a 75% reduction.	0 - 2*		X	A2c	A2c	GPR Higher	*Points are earned if meet higher GPR threshold which requires diverting 100% of asphalt and concrete plus 75% of remaining materials
ENVIRONMENTAL QUALITY							
Pollutant Control							
A4.504.2 Install VOC compliant resilient flooring systems.							
Tier 1. At least 80% of the resilient flooring installed shall comply	incl	X		L3	L2	GPR Higher	*The GreenPoint Rated criteria requires low emitting floor covering to cover a minimum of 50% of <u>all</u> floor area, including carpet. Additional credit is earned for higher % of flooring. *Points are shown in Mandatory Comparison matrix
Tier 2. At least 90% of the resilient flooring installed shall comply	incl		X	L3	L2	GPR Higher	*The GreenPoint Rated criteria requires low emitting floor covering to cover a minimum of 50% of <u>all</u> floor area, including carpet. Additional credit is earned for higher % of flooring. *Points are shown in Mandatory Comparison matrix
Tier 1. VOC limits must comply with CHPS low emitting materials list	0	X		None	None		All insulation currently meets this criteria and therefore was dropped from GreenPoint Rated
Tier 2. Insulation contains No-Added Formaldehyde and must comply with CHPS low emitting materials list	0		X	None	None		Most all insulation currently meets this criteria and therefore was dropped from GreenPoint Rated

PRELIMINARY
CALGreen Tier Pre-requisite Provision Review
For GreenPoint Rated Comparison

<i>PRELIMINARY: The criteria for CALGreen Tiers is still in development. This analysis is based upon assumptions of CALGreen Tiers as written in the code appendices and is subject to change.</i>							
CAL GREEN CODE TIER PRE-REQUISITE PROVISIONS	*GPR Points	TIER 1	TIER 2	GPR Measure Number		GPR Threshold	NOTES / COMMENTS *The GreenPoint Rated label is earned only with full third party verification. *Points are earned if meet GPR criteria
				SF	MF		
TOTALS							
CALGreen Mandatory Requirements	18 - 28						*See Accompanying Comparison Matrix *CALGreen provisions meet the GreenPoint Rated minimum thresholds for IAQ and Water and do not meet the minimum for Energy or Resource Conservation
TIER 1 Pre-requisites and Electives	33 - 42						CALGreen Tier 2 provisions exceed the GreenPoint Rated minimum threshold for Energy Efficiency but may not meet the GreenPoint Rated minimum for Resource Conservation
TIER 2 Pre-requisites and Electives	65 - 76						CALGreen Tier 2 provisions exceed the GreenPoint Rated minimum threshold for Energy Efficiency but may not meet the GreenPoint Rated minimum for Resource Conservation

NOTE: Cal Green only applies to new construction. The Hayward Water Efficiency Ordinance applies to all remodels, new buildings and tenant improvements. Cal Green has an option for a net 20% reduction in total water use for a particular building. This means that some standard-flow fixtures could be used, but other fixtures would need to exceed the limits listed below. The Hayward WUE does not make a provision for this.

INDOOR WATER USE EFFICIENCY ORDINANCE COMPARED TO CAL GREEN

FIXTURE TYPE	HAYWARD INDOOR WATER EFFICIENCY ORDINANCE		CAL GREEN NON-RESIDENTIAL MANDATORY MEASURES	
	RESIDENTIAL	NON-RESIDENTIAL	RESIDENTIAL	NON-RESIDENTIAL
SHOWER	2.0 gpm	2.0 gpm	2.0 gpm	2.0 gpm
BATHROOM FAUCET	1.5 gpm	.5 gpm	1.8 gpm	.4 gpm
KITCHEN FAUCET	2.2 gpm	2.2 gpm	1.8 gpm	.8 gpm
TOILET	1.28 gpf	1.28 gpf	1.28 gpf	1.28 gpf
METERING FAUCET	N/A	N/A	N/A	.2 gallons per cycle
URINALS	N/A	.5 gpf	N/A	.5 gpf
COOLING TOWERS	5-10 cycles, or 2.5 lsi	5-10 cycles, or 2.5 lsi	N/A	N/A
ICE MACHINES				
PRE-RINSE SPRAY VALVES		1.15 gpm	N/A	N/A
VEHICLE WASH	N/A		N/A	N/A
METERS	Submeter for RMF and for outdoor if landscape > 5000 sq. ft.	Submeter and Separate meter for outdoor if landscape > 5000 sq. ft.	N/A	Separate meter for outdoor potable water use and for landscape areas between 1,000 and 5,000 square feet.



DATE: October 6, 2010
TO: Mayor and City Council Sustainability Committee
FROM: Development Services Director
SUBJECT: Participation in the Beacon Award Program

RECOMMENDATION

That the Committee reads and comments on this report.

BACKGROUND

The Council adopted the City's Climate Action Plan (CAP) on July 28, 2009. The CAP includes goals to reduce greenhouse gas emissions by 12.5 % below 2005 levels by 2020 and by 82.5 % below 2005 levels by 2050. An inventory of greenhouse gas (GHG) emissions emitted by the Hayward community in 2005 was completed in 2006. Staff is working to update the City's inventory with data for calendar year 2009, and will do so at least every five years. The updated inventory, along with an update on overall progress of CAP implementation, is expected to be presented to the Committee and the Council in early 2011.

DISCUSSION

The success of Hayward's CAP will require significant efforts to educate the community to encourage behavioral changes and promotion of implementation programs. Specifically, Strategy Nine in the CAP calls for community outreach efforts to engage students, residents, and businesses. Formal recognition of the City's accomplishments will give staff and the Committee opportunities to publicize and build on the City's efforts to address climate change.

The Beacon Award Program is one such program that could highlight Hayward's efforts in CAP implementation and success in reduction of GHG emissions. It is sponsored by the California Climate Action Network, a program of the Institute for Local Government. The Institute is the non-profit research arm of the League of California Cities and the California State Association of Counties. The Program is intended to recognize cities and counties that 1) reduce greenhouse gas emissions and energy use; 2) adopt policies and programs to address climate change; and 3)

promote sustainability. The following steps must be completed to be accepted as a Beacon Award participant:

- Adopt a resolution by the governing body committing the agency to participate in the program;
Such a resolution is attached for the Committee's review.
- Designate a lead staff person as a point of contact;
The Senior Planner in the Advanced Planning Section in the Development Services Department is proposed to be designated as that person.
- Prepare, or commit to prepare, a baseline greenhouse gas emissions inventory for agency facilities and the community as a whole;
As noted previously, Hayward has conducted a baseline emissions inventory for both community-wide and municipal-related emissions, and is also going to be updating such inventory on a regular basis.
- Prepare, or commit to prepare, a climate action plan that includes actions in each of the Best Practice Areas;
Hayward's CAP includes actions from each of the Best Practice Areas (see below).
- Demonstrate compliance with AB 939 (California Integrated Waste Management Act of 1989).
Hayward is in compliance with AB 939 and staff will be providing documentation to demonstrate such compliance.

Following are the Best Practice Areas¹ that are required to be included in the Climate Action Plan and the Strategies in the CAP that address those Areas:

1. Energy Efficiency and Conservation – *Strategies Three and Four;*
2. Water and Waste Water Systems – *Strategies Three and Four;*
3. Green Building – *Strategy Four;*
4. Waste Reduction and Recycling – *Strategy Six;*
5. Climate-Friendly Purchasing – *Strategy Six;*
6. Renewable Energy and Low-Carbon Fuels – *Strategies Two and Five;*
7. Efficient Transportation – *Strategy One;*
8. Land Use and Community Design – *Strategy One;*
9. Open Space and Offsetting Carbon Emissions – *Strategy Seven;* and
10. Promoting Community and Individual Action – *Strategy Nine.*

Beacon Awards are given based on the following achievements. Details about the requirements for each award level are provided in Attachment II.

- Silver Beacon Award – 5% reduction in GHG emissions;
- Gold Beacon Award – 10% reduction in GHG emissions;

¹ The complete Best Practices Framework is available at
http://www.ca-ilg.org/sites/ilgbackup.org/files/BestPracticesFramework_v6.3_FINAL.pdf

- Platinum Beacon Award – 20% reduction in GHG emissions.

There are no requirements to achieve awards within certain time periods. Each Beacon Award participant works toward achieving awards at their own pace. If the City achieves its 2020 GHG reduction goal, Hayward will be eligible for the Gold Beacon Award. When a participant reaches an award level, the jurisdiction will be recognized at League of California Cities events, be highlighted on the Beacon Award website², and will receive a certificate for each award that may be displayed in public.

ECONOMIC IMPACT

Council adoption of the attached resolution will have limited economic impact on the community. As noted in previous reports, implementation of the Climate Action Plan is expected to have short term costs, such as those associated with installation of energy efficiency improvements, but there will also be long term benefits such as cost savings related to reduced energy use and the creation of green jobs. It is also becoming clearer that young professionals seeking to live in a community in the Bay Area are tending toward those communities with a demonstrated commitment to sustainability, green building, and an environmental approach to community living.

FISCAL IMPACT

Participation in the Beacon Award Program will have no impact on the City's General Fund. The Program is sponsored by the California Climate Action Network, a program of the Institute for Local Government. The program is funded by California utility ratepayers and administered by Pacific Gas and Electric Company, San Diego Gas & Electric Company, Southern California Edison, and Southern California Gas Company, under the auspices of the California Public Utilities Commission. Staff time associated with participation in the Program is expected to be minimal. Staff will be tracking emissions and progress on the CAP as a regular practice and staff anticipates providing the Program administrators with a copy of the annual report that will be provided to the Committee and the City Council on an annual basis.

SCHEDULE & NEXT STEPS

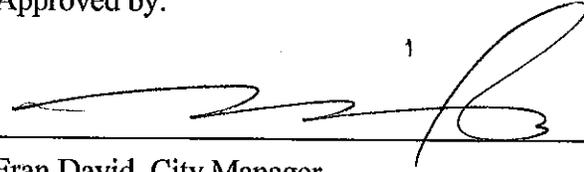
The attached resolution will be presented to the City Council on October 12, 2010. With the Council's authorization, staff will complete the required application form and provide it to the Program administrators. Progress toward meeting the Beacon Award levels will be reported in the annual CAP implementation report, which is expected to be provided to the Committee and the Council in early 2011.

² More details on the Beacon Award Program are available at <http://www.ca-ilg.org/BeaconAward>

Prepared by: Erik J. Pearson, AICP, Senior Planner

Recommended by: David Rizk, AICP, Development Services Director

Approved by:

A handwritten signature in black ink, appearing to read 'Fran David', is written over a horizontal line. The signature is stylized and cursive.

Fran David, City Manager

Attachments:

- Attachment I Draft Resolution
- Attachment II Beacon Award Levels

HAYWARD CITY COUNCIL

RESOLUTION NO. 10-

Introduced by Council Member _____

RESOLUTION OF SUPPORT FOR PARTICIPATION IN THE
INSTITUTE FOR LOCAL GOVERNMENT'S BEACON
AWARD: LOCAL LEADERSHIP TOWARD SOLVING
CLIMATE CHANGE

WHEREAS, the City of Hayward, on July 28, 2009, adopted a Climate Action Plan, which includes goals, policies, and programs to reduce greenhouse gas emissions and save energy; and

WHEREAS, these policies, programs and actions conserve natural resources, save energy and money, and promote sustainable land use and transportation planning in the community; and

WHEREAS, cities and counties statewide are leading by example by adopting innovative sustainability programs and policies, including working with community residents, business groups and others; and

WHEREAS, the City of Hayward is currently working toward implementing the Climate Action Plan and other energy-saving programs funded by the Energy Efficiency and Conservation Block Grant program; and

WHEREAS, the City of Hayward wishes to expand these activities, share its experiences with other communities, and be recognized for its accomplishments; and

WHEREAS, the Beacon Award: Local Leadership Toward Solving Climate Change is a voluntary program of the Institute for Local Government, the non-profit research and education affiliate of the California State Association of Counties and the League of California Cities; and

WHEREAS, the Beacon Award recognizes and celebrates achievements of cities and counties that reduce greenhouse gas emissions and save energy; and

WHEREAS, participating in the Beacon Award is an opportunity for the City of Hayward to be recognized for its efforts to promote sustainability, reduce greenhouse gas emissions and save energy.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Hayward agrees to participate in the Beacon Award: Local Leadership Toward Solving Climate Change; and

BE IT FURTHER RESOLVED, that the City Council of the City of Hayward will work towards achieving the Silver, Gold and/or Platinum Beacon Award levels.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2010

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward

Beacon Award Levels

Silver Beacon Award	
Agency Facilities & Operations	
Greenhouse Gas Reduction:	Five percent in agency facilities and operations
Energy Savings:	Five percent in agency facilities and operations from energy efficiency retrofits
Community	
Greenhouse Gas Reduction:	Five percent in the community as a whole
Energy Efficiency:	One activity that promotes energy efficiency in the community
Best Practice Areas:	One activity in each of the ten Best Practice Areas
Gold Beacon Award	
Agency Facilities & Operations	
Greenhouse Gas Reduction:	Ten percent in agency facilities and operations
Energy Savings:	Ten percent in agency facilities and operations from energy efficiency retrofits
Community	
Greenhouse Gas Reduction:	Ten percent in the community as a whole
Energy Efficiency:	Two activities that promotes energy efficiency in the community
Best Practice Areas:	Two activities in each of the ten Best Practice Areas
Platinum Beacon Award	
Agency Facilities & Operations	
Greenhouse Gas Reduction:	Twenty percent in agency facilities and operations
Energy Savings:	Twenty percent in agency facilities and operations from energy efficiency retrofits
Community	
Greenhouse Gas Reduction:	Twenty percent in the community as a whole
Energy Efficiency:	Four activities that promotes energy efficiency in the community
Best Practice Areas:	Three activities in each of the ten Best Practice Areas

Sustainability Committee Monthly Meeting Topics for 2010

Presenting Department	Date	Topics	Climate Action Plan Action Number (priority)
DS	January 6, 2010	Annual Review of Green Building Ordinances and Implementation	Actions 4.1, 4.2, 4.3
DS		Bay Area Climate Collaborative (BACC)	
DS		Summary of Education and Outreach Efforts (Permit Center-Green Display, Website, etc.)	Actions 9.1, 9.2, 9.3
DS <i>Sustainability Coordinator</i>	February 3, 2010	Introduction of Sustainability Coordinator and Initial Discussion on the Residential Energy Conservation Ordinance (RECO) and Commercial Energy Conservation Ordinance (CECO)	Actions 3.1(11), 3.2(12), 3.3(2)
DS		Review of Purpose and Productivity of the Sustainability Committee and 2010 Meeting Topics	
PW	March 3, 2010	Summary of Issues and Regional Efforts Regarding a Ban on Plastic Bags and Styrofoam Containers	Action 6.4(25)
DS	April 7, 2010	South Hayward BART Form Based Code Parking Strategies Options	Action 1.3(23)
DS		Opposition to State Proposition 16	
DS	May 5, 2010	Large Energy Users Program	Actions 3.9(1), 5.2(5)
DS		Energy Efficiency and Conservation Strategy (Informational Item Only)	
DS <i>Sustainability Coordinator; Grad Student Kali Steele</i>	June 2, 2010	Update on Development of a Residential Energy Conservation Ordinance (RECO)	Actions 3.1(11), 3.2(12), 3.3(2)
DS <i>Sustainability Coordinator</i>	July 7, 2010	Overview of Community Outreach Plan	Actions 9.2*(10), 9.3*(11)
PW		Draft Ordinance Ban on Styrofoam Containers	Action 6.4(25)
DS		Update on Formation of the Climate Action Management Team	CAP Implementation
	August 2010	<i>No Meeting – annual recess</i>	
DS <i>Sustainability Coordinator</i>	September 1, 2010	Update on Development of Residential Energy Conservation Ordinance (RECO)	Actions 3.1(11), 3.2(12), 3.3(2)
DS <i>Building Division Staff</i>	October 6, 2010	Update on State Green Building Code and its Impacts on Hayward's Green Building Ordinance, including Solar Requirements	Actions 4.1(9), 4.2(7), 5.3(8)
DS		Summary of Beacon Award Program	
DS <i>Sustainability Coordinator</i>	November 3, 2010	CaliforniaFirst Pilot Financing Program Implementation and Program Continuation	Actions 3.7(3), 3.8(4), 3.9(1), 5.1(15), 5.2(5),
DS		Discussion of Topics for 2011	
PW	December 1, 2010	Increase Participation in Food Scraps Collection, Recycling, and Construction and Demolition Debris Programs	Actions 6.1(14), 6.2(13), 6.3(6), 6.6(19)
PW		Update on Ordinances to Ban Plastic Bags	Action 6.4(25)