

AGENDA BILLNo. **12**
Meeting Date: 8/8/17**SUBJECT: UPDATE ON CLIMATE PROTECTION ACTION PLAN****SUMMARY OF THE MATTER:**

In response to concerns from local residents regarding the United States withdrawal from the Paris Climate Agreement, staff is providing the City Council and the public with information about the agreement and an update of the City's Climate Protection Action Plan efforts.

The Paris Agreement is a voluntary agreement negotiated within the United Nations Framework Convention on Climate Change (UNFCCC). The Agreement's central aim is strengthen the global response to climate change by keeping a global temperature this century to well below 3.6 degrees Fahrenheit above pre-industrial levels with an expectation that this goal would be reduced to 2.7 degrees Fahrenheit in the future. Parties to the agreement are required to put forward their best efforts through "*nationally determined contributions*" and to strengthen those efforts in the future. The UNFCCC website indicates that 158 of the 197 parties at the convention have ratified the Paris Agreement.

Although there is no formal mechanism for states and local governments to join the Paris Agreement, several cities under a group called the Mayors National Climate Action Agenda are showing solidarity with resolutions of support. The resolutions are non-binding. A draft resolution is attached for City Council consideration.

Locally, the City of Laguna Beach adopted a Climate Protection Action Plan in 2009 and updated it in 2012. The plan provides a number of recommended measures for reducing local carbon emissions by reducing energy use, promoting green building practices, encouraging alternative transportation options, conserving water, reducing energy consumption by government operations, and encouraging energy reductions in the private sector.

(continued)

RECOMMENDATION: It is recommended that the City Council: 1) Receive an overview on the Paris Climate Agreement and update of the City's Climate Protection Action Plan; and 2) consider adopting a resolution in support of the goals of the Mayors National Climate Action Agenda.

Appropriations Requested: \$ _____

Fund: _____

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Environmental Specialist Michael Phillips
Coordinated with: Dir. of CD Greg Pfof
Director of Comm. Development Greg Pfof

Attachments: 1) City Highlights of Climate Protection
Actions; 2) Climate Protection Action Plan Matrix; 3)
Mayors National Climate Action Agenda Resolution

Approved: John Pietig
John Pietig, City Manager

Additionally, the Environmental Sustainability Committee recently developed a Draft Sustainability Element Amendment to the City's General Plan that is currently pending review by the Planning Commission.

The Committee is currently working on a two-year work plan with the following projects:

- Increase mapping of local environmental resources
- Organize a public information display on the potential impacts of rising sea levels on Main Beach
- Develop a lecture series on sustainability and the environment
- Organize a public event encouraging reuse and recycling

Attached is a list highlighting some of the actions taken by the City to reduce energy consumption, conserve water, increase the use of public transit, encourage alternative forms of transportation, protect wilderness and marine habitats, and otherwise help the environment. A more detailed matrix of actions is also attached.

ATTACHMENT 1

City Highlights of Climate Protection Actions

- Improved transit and parking program: Added 13 trolleys to fleet since 2011; increased trolley routes and hours; free trolley service for peripheral parking; “Summer Breeze” program transports visitors to town from Irvine parking lot; Trolley Tracker app for transit users to track City trolleys and buses location; lower-priced parking cost incentives for visitors parking in downtown periphery; exploring Uber discounted transportation access for seniors and the disabled, and loading zone locations for ride sharing.
- Promoted water conservation programs, including winning the National Mayor’s Challenge for Water Conservation for the fourth time as the most “*Water Wise City*.”
- Reduced municipal water consumption by removing grass turf from medians and replacing with drought-tolerant landscaping.
- Installed smart irrigation satellite controllers at City Parks.
- Require swimming pools to have covers to prevent water loss from evaporation.
- Require Waste Management to use compressed natural gas (CNG) vehicles to serve Laguna Beach.
- Supported Village Entrance Project concept that increases trees, shade, and drought-tolerant landscape plantings, facilitates pedestrian pathways and bicycle access, reduces permeable pavement surface, and improves lighting.
- Completed year-long Laguna Canyon Road Task Force Report advocating for increased mobility for pedestrians, cyclists and wildlife.
- Added pedestrian access pathway at Top of the World.
- Extended sidewalks and pathways for pedestrians on Park Avenue, Temple Hills Drive, Anita Street from South Coast Highway to Gaviota Drive, Frontage Road to Woodland, and lower Nyes Place. An additional sidewalk is planned along Cress Street between Bluebird Park and Temple Terrace.
- Installed bicycling routes (sharrows) through town, and added bikes racks in the downtown.
- Purchase of open spaces in Laguna Canyon.
- Protection of local marine populations through support of the Marine Protection Area fishing moratorium.
- Staff Marine Protection Officer position to educate the public on protecting sensitive tide pool organisms.
- Reduces litter pollution through ordinance bans to prohibit public smoking, eliminate retail distribution of single-use plastic bags, and eliminate distribution by restaurants and retail of expanded polystyrene (Styrofoam) food containers in town.
- Energy-saving improvements to public buildings: Installing, low-flow toilets; replacing energy-intensive lighting fixtures with LED lights; replaced energy-intensive heating,

ventilation, and air conditioning units with energy-efficient units; installed digital thermostats and occupancy sensors.

- Adopted Good Neighbor Outdoor Lighting Ordinance to encourage using less energy and improving nighttime ambiance.
- City purchases alternative-fueled vehicles for municipal fleet, including hybrids, liquefied petroleum gas, and electric vehicles.
- Implemented a recycled food waste program for restaurants.
- Waste Management offers a recycling outreach coordinator position to provide education and advice to restaurants and businesses.
- The City provides comments and supports legislation to move spent nuclear fuel from the San Onofre Nuclear and away from the ocean to a consolidated, interim storage site.
- City Council approved an ordinance and revised its procedures to streamline the plan check process for small residential solar systems.
- Installed four electric vehicle charging stations at City Hall and Glenneyre Parking Structure.
- Authorized five Property Assessed Clean Energy (PACE) Programs that allow residential and commercial property owners to finance various energy efficient and water conservation upgrades.
- Maintains Sustainability webpage to provide public with information on sustainability programs and energy-saving rebates.
- Approved two-year work plan for the Environmental Sustainability Committee to provide improved mapping of local environmental resources, develop a speaker's lecture series on sustainability and the environment, organize a recycling/reuse event, and create a public education project on Main Beach depicting sea-level rise resulting from global warming.

ATTACHMENT 2

ATTACHMENT: STATUS OF CLIMATE PROTECTION ACTION MEASURES

Climate Action Measure	Status
4.3.1 Central Information Source: Set up a page on the City's website to provide information to property owners, designers, and builders about all aspects of energy-efficient design and construction, including links to other sites with more detailed information.	Completed – The City established a Environmental Sustainability webpage that will be continuously updated. See also 9.3.1.
4.3.2 Energy Audits: Encourage citizens to conduct energy audits of their properties and provide information on how to do this (currently available free at www.sce.com)	Completed – The City's Environmental Sustainability webpage provides links to SCE's Energy Advisor for an energy profile.
4.3.3 Rebates: Energy rebates are the responsibility of Southern California Edison (SCE) and San Diego Gas & Electric. The City can provide links to these utility providers from its webpage.	Completed - The City's Environmental Sustainability webpage provides links to SCE rebates and incentives.
4.3.4 Energy Performance Standards: Investigate adopting revised energy performance standards at earliest possible time.	Not yet completed.
4.3.5 Insulation: Encourage citizens to up-grade the insulation in existing homes and to go beyond minimum requirements in new projects. Encourage the use of radiant barriers to further reduce cooling requirements.	Completed – Adopted as Design Review Criteria.
4.3.6 Daylighting: In the design of buildings, encourage the use of natural daylight instead of artificial light.	Completed – Adopted as Design Review Criteria
4.3.7 Shading: Encourage the use of shading devices and awnings on east- and west-facing glazed doors and windows to reduce mechanical cooling requirements.	Completed – Adopted as Design Review Criteria
4.3.8 Natural Ventilation: Encourage the use of operable windows and skylights to reduce mechanical cooling requirements.	Completed – Adopted as Design Review Criteria
4.3.9 Landscape Design: Encourage the use of appropriate planting to promote both solar access and shading of glazed areas.	Completed – Adopted in the Design Review Criteria; General Plan Land Use Element.
4.3.10 Lighting: Encourage the adoption of energy efficient lighting, such as Compact Fluorescent Lights (CFLs) and Light Emitting Diodes (LEDs), to retrofit existing buildings, and for all new buildings. Encourage the installation of motion detectors on lighting circuits where appropriate.	Completed – Adopted in the Green Building Code; Design Review Criteria.

4.3.11 Light Bulb Recycling: Investigate a program with Waste Management to permit the proper disposal and recycling of fluorescent lights.	Completed – Light bulb recycling is available through the curbside residential Household Hazardous Waste program and bulky item collection. Drop off locations are also offered at several locations in the City. The information is available on the City's website.
4.3.12 Appliances: Encourage the installation of Energy Star rated appliances in all new and substantially renovated buildings.	Completed – Adopted in the Green Building Code; Design Review Criteria. Links for information from the SCE Energy Advisor webpage at also provided on the City's Environmental Sustainability page.
4.3.13 Air Conditioning: Discourage the use of air conditioning.	Completed – Adopted in the Green Building Code; Design Review Criteria. Links for information from the SCE Energy Advisor webpage at also provided on the City's Environmental Sustainability page.
4.3.14 Programmable Thermostats: Encourage the installation of programmable thermostats to maximize energy efficiency.	Completed – Adopted in the Green Building Code; Design Review Criteria. Links for information from the SCE Energy Advisor webpage at also provided on the City's Environmental Sustainability page.
4.3.15 Solar Systems: Expedite the planning review and approval process for the installation of solar electric and solar thermal systems.	Completed – City Council approved an ordinance and revised its procedures to streamline the plan check process for small residential solar systems.
4.3.16 Cool Roofs: Support the adoption of the EPA Cool Roofs program (roofing materials that reflect rather than absorb solar radiation), and amend the Design Review guidelines accordingly.	Completed – Included in Design Review Criteria.
4.3.17 Dark Sky: Adopt standards for minimizing night lighting glare and incorporate them into the City's Design Review Guidelines and Municipal Code.	Completed – City Council adopted the Good Neighbor Outdoor Lighting Ordinance.
4.3.18: Laguna Beach Green Building Program: Develop a Green Building program, or modify an existing Green Building program, such as "Build it Green" or "Green Globes" to respond specifically to the climate, topography, and characteristics of the City.	Completed – The City has adopted the Green Building Code, and makes " <i>Build It Green</i> " building guidelines available at the front building counter for purchase. The City will also provide a

	link to <i>"Build It Green"</i> on its Environmental Sustainability webpage.
5.3.1 Continue to encourage mixed-use and live-work developments within current single-use zones.	Completed – Adopted into the General Plan Land Use Element.
5.3.2 Encourage edible landscaping and community gardens.	Completed – Adopted into the General Plan Land Use Element.
5.3.3. Investigate increasing the requirements for total on-site unpaved areas and green plantings	Completed – The Water Efficient Landscape Ordinance was updated and the thresholds were lowered to require more drought tolerant plantings and efficient irrigation systems.
5.3.4 Encourage the use of drought-tolerant plant materials, and low-water irrigation techniques.	Completed – Adopted into Design Review Criteria; General Plan Land Use Element; and updated Water Efficient Landscape Ordinance.
5.3.5 Redesigning streets	The City continues to implement Complete Streets techniques to increase pedestrian safety and amenities, including the provision of crosswalks, bulb-outs, and pedestrian refuges. Traffic Calming has been incorporated into the General Plan Land Use Element. The City has also introduced sharrow bike routes throughout town.
5.3.6 Underutilized Land: Continue to transform vacant lots and unused or under-used areas of public land into pocket parks with benches, bike racks, shade trees, and patios with tables to accommodate pedestrians and bike riders.	The City will continue to provide pocket parks and view parks as opportunities allow. Two passive parks were built in 2012. Ken Frank View Park was built on upper Park Avenue and Frontage Road Passive Park on Frontage Road at Woodland Drive.
5.3.7 Walkways: Create walkways where they do not exist, particularly in arterial and collector streets, and expand sidewalks where they are of inadequate width.	The City continues adding sidewalks in town. The City commissioned the Enhanced Mobility and Complete Streets Transition Plan. In addition to sidewalk extensions on Park Avenue, Temple Hills Drive, and Nyes Place, a sidewalk was constructed along Anita Street between South Coast Highway and Gaviota Drive. An expanded walkway was also completed in 2017

	connecting Old Top of the World with Arch Beach Heights. The design phase is underway for a sidewalk project on Temple Hills Drive, and upcoming installation of a sidewalk adjacent to Bluebird Park is planned in FY 2017-18.
5.3.8 Permeable Paving: Encourage replacing impermeable paving (asphalt, concrete) with permeable paving in parking and low-volume traffic areas.	Completed – Adopted into Design Review Criteria; General Plan Land Use Element. Permeable paving was used in the new parking lot in So. Laguna.
5.3.9 Bioswales: Increase reliance on the bio-filtering of storm water through the creation of bioswales and other devices.	Completed – Adopted as Design Review Criteria.
5.3.10 Trees: Plant and maintain shade trees within the public right-of-way.	The City plants trees as part of its public improvement projects, such as the streetscape beautification project in South Laguna. The City completed a streetscape beautification project for Broadway Street between the Bus Depot and Forest Avenue. A working group is currently updating the Landscape and Scenic Highways General Plan Element.
5.3.11 Walking Promenade: Institute bicycle/pedestrian days (or a Walking Weekend) by closing downtown streets to private vehicles and encouraging people to use the streets for art displays, performances, and socializing.	Walking promenades, parklets, and other pedestrian uses of the downtown streets are under consideration as part of the Downtown Specific Plan Update. Pedestrian pathways are also a feature of the proposed Village Entrance Project.
5.3.12 Standards: Evaluate major city projects on the basis of their potential positive or negative effects on GHG emissions.	CEQA requires that major projects be evaluated for greenhouse gas emissions.
5.5.1 Remote Parking: Continue to expand remote parking options for commuters to connect easily and rapidly to buses and Share-a-Ride stations.	The City annually updates a Parking Management Plan that increases occupancy in peripheral parking lots and offers more convenient parking options to residents and visitors on Laguna Canyon, downtown, Coast Highway and South Laguna. A policy for remote parking was adopted into the General Plan Land Use Element. Since

	<p>2016 the City has offered remote parking at the Summer Breeze parking lot at the corner of the 405 freeway and SR133. Remote parking is also available in North Laguna at the Pavilions Shopping Center, and at the Mission Hospital in South Laguna. Free parking and free bus rides are offered along Laguna Canyon Road and stopping at the Laguna Beach bus station.</p>
<p>5.5.2 Traffic Calming: Continue to redesign intersections to increase pedestrian safety and amenity, including the provision of crosswalks, bulb-outs, and pedestrian refuges. Favor traffic-calming devices that make use of increased planted areas, such as residential traffic circles, neck-downs, etc. Incorporate traffic calming techniques (e.g., intersections with bulb-outs to lower traffic speed yet maintain traffic flow throughput) into the community planning stages of municipal projects.</p>	<p>The City continues implementing Traffic Calming techniques to increase pedestrian safety and amenities, including the provision of crosswalks where appropriate, bulb-outs, and pedestrian refuges. Traffic Calming has been incorporated into the General Plan Land Use Element. Traffic Calming measures include signage, striping and flat-top speed table humps. Installation of speed humps in Temple Hills Dr. is underway. A temporary roundabout was installed at Catalina Street and El Camino Del Mar. The permanent landscaped roundabout will be installed in the next three years. Funding is including in the CIP budget.</p>
<p>5.5.3 State-owned-Rights-of Way: Monitor efforts by Caltrans to improve bike safety on Coast Highway and Laguna Canyon Road.</p>	<p>The City continues to communicate the need for bike safety to Caltrans. Recommendations for bicycle lanes on Laguna Canyon Road were recommended in the Laguna Canyon Road Task Force Report funded by the City.</p>
<p>5.5.4 Public Transport: Hours of Service: Extend trolley/bus service from early morning hours to late evening hours, without mid-day breaks, throughout the year (this could be implemented Friday through Sunday in the near term, and throughout the week in the long term), where feasible.</p>	<p>Completed – The City extended its weekend Neighborhood Trolley service during the off-season. Modification of service hours happens during the summer months and all season. Extended service on weekends occurs</p>

	during the summer months. Peak hour services occurs during the off-season.
5.5.5 Public Transport: Route Structure: Provide bus or van service with a goal to promote coverage sufficient throughout town.	In-progress – The City extended its weekend Neighborhood Trolley service during the off-season and added a bus stop at the Community and Susi Q Center on Third Street. The City is also currently exploring an Uber program that provides fare discounts for seniors and the disabled, and creating loading zones for shared ride services.
5.5.6 Public Transport: Coordination of Routes: Connect City bus routes to adjacent routes, and coordinate bus services with OCTA to ensure connections and to receive additional funding from OCTA to improve bus access to visitors and employees, including potential transportation to and from train stations.	Connections exist to neighboring city trolley systems and OCTA.
5.5.7 Van Services: Consider arrangements with private van fleets or other private services to facilitate transportation to and from train stations if transportation via OCTA is not available or practical.	Completed – The Orange County Transportation Authority provides information access to commuters interested in starting or finding carpools and van pools. The City can research providing a link to OCTA on the Environmental Sustainability webpage.
5.5.8 Car Pooling: Encourage voluntary programs for residents within the City and for workers living outside the City to share rides and reduce the number of vehicle-trips. The City could both advertise the financial and GHG emissions advantages of car-pooling and set up a program to make it easier for potential ride-sharers to find each other.	Completed – The Orange County Transportation Authority provides information access to commuters interested in starting or finding carpools and van pools. The City can research providing a link to OCTA on the Environmental Sustainability webpage.
5.5.9 Parking Space Designation: Consider converting some parking spaces to the exclusive use of electric vehicles and providing electric vehicle charging stations.	The City has installed four electric vehicle charge stations in its municipal parking lot and at the Glenneyre Parking structure. The City continues to explore options at various city lots.
5.5.10 Parking Rate Structure: Adopt a variable parking fee structure, charging much more for parking in downtown and —premium areas and providing low cost parking in perimeter locations. With new technologies, the rate structure could be variable by time of day, day of week, or even by season.	Completed – The City currently offers variable parking rates based on location. Free trolley service is provided to satellite parking lots.

5.5.11 Information Program: Organize a public campaign to increase resident and visitor awareness of transport alternatives (bicycles, pedestrians, and trolley) and focus the campaign around the idea that Laguna Beach is an eco-friendly destination, where people can leave their vehicles behind and enjoy walking, shopping, dining, and going to the beach. Support this program with more public benches, public restrooms, public art, and public performances.	The City provides public transit information through a variety of sites including: City's website; the Summer Breeze bus service; signage; message boards; direct mailers; and through its Visit Laguna Beach app. The City provides public amenities, including park benches, public restroom, and public art. Additionally, the Laguna Beach Visitors Bureau and the Chamber of Commerce provide information on Laguna as a destination.
5.5.12 Funding: Identify financial incentives available to the City from state and federal agencies for promoting transportation alternatives to the automobile.	City has obtained over \$4 million of funding from OCTA (Project V) for transit service.
5.5.13 Bike Racks: Provide bike racks to secure bicycles in the downtown, shopping, and beach areas.	The City has installed bike racks in the downtown area and at renovated beach access points. The City continues to look for other opportunities for additional racks.
5.5.14 Trips to School: Request that the school district and private schools promote the use of school bus transportation and discourage the use of private vehicles for trips to and from school.	Completed – School District staff has indicated that they have procedures for encouraging the use of their bus system for transporting students to and from school,
5.5.15 —Top 20: Develop a program and flyer called —Laguna Beach's Top 20 Things You Can Do to Reduce Global Warming, including transportation-related reductions and publicize the program on the City's website.	Pending – Recommend this be assigned to the Environmental Committee for development. The flyer will be posted on the City website.
5.5.16 Transportation Programs: Consider requiring all local businesses over a certain size to develop alternative transportation plans, including carpooling and public transportation, with a goal of reducing employee auto trips.	Completed – Adopted in the General Plan Land Use Element.
6.2.1 Where feasible in City Buildings, encourage the use of natural ventilation (e.g. opening the windows) to minimize air conditioning.	Ongoing.
6.2.2 Consider alterations in City buildings to provide more natural day lighting to minimize using electric lights.	Marine Safety Headquarters, Laguna Canyon Corporation Yard building, and the Community Suzy Q Center all include these features.
6.2.3 Make fuel efficiency an important criterion in the acquisition of all city vehicles, including fire engines, buses,	The City utilizes alternative-fueled vehicles in its municipal fleet, including

trucks, etc., and for non-specialty uses consider instituting a policy of purchasing only highly fuel efficient vehicles, like Priuses, Insights or their equivalent.	hybrid cars, liquefied natural gas (LNG) buses and trolleys, and electric carts.
6.2.4 Continue to equip all city restrooms in buildings and in parks with low-flow toilets.	Replaced in all city buildings.
6.2.5 Work with Waste Management to assure that the three kinds of waste containers are clearly identified, that the three kinds of waste are more carefully separated, and that all residents and businesses are educated about this. In addition, ask Waste Management to publicize the fact that recycling containers should be put out only when full.	The three cart-system has different color lids to separate the waste. A comprehensive Recycling and Refuse Service Guide was mailed to all residents and it included a "How to Recycle" magnet.
6.2.6 Work with Waste Management to continue to use trucks that are fuel efficient and have very low emissions.	Completed. Waste Management's Laguna fleet operates with compressed natural gas (CNG). Fuel-efficient vehicles will continue to be a part of the criterion for purchasing new vehicles as technologies improve.
6.2.7 Encourage the adoption of ecological landscaping and gardening practices in all City-owned properties (e.g. stop raking up all the leaves as they make good mulch.) Use drought resistant plants and water-conserving irrigation systems at all city properties and parks.	Ongoing.
6.2.8 Encourage the Laguna Beach County Water District and the South Coast Water District to develop a program for the reclamation and recycling of water.	Representatives from the Laguna Beach County Water District and South Coast Water District have previously indicated that the development and installation of residential water recycling and reclamation systems throughout town is impractical at this time due to the substantial infrastructure cost. Both districts instead promote practical methods for reducing individual water consumption, such as installation of smart timers and drought-tolerant landscaping.
6.2.9 Encourage the Laguna Beach County Water District and the South Coast Water District to reduce their energy consumption.	The City Council is the Board for the Laguna Beach County Water District and has representatives on the South Laguna Water Sewer Advisory Committee where energy consumption can be discussed.

6.2.10 Request Caltrans reanalyze traffic patterns and consider the use of synchronized signals and —all way pedestrian crossings.	Traffic signals along Coast Highway and Laguna Canyon Road are synchronized. Caltrans has been requested to investigate all-way “scramble” pedestrian crossings.
6.2.11 Consider reducing street lighting in residential areas.	In progress – The City is encouraging its utility providers to add shields and is installing shields for city-owned street lights in town. The City is also studying the acquisition of street lights from utility companies and converting them to LED lights.
6.2.13 Evaluate the feasibility of installing photovoltaic panels on city buildings.	The City conducted a feasibility study of a solar Power Purchase Agreement to provide photovoltaic panels on the Corporation Yard building in Laguna Canyon. It was determined by the solar power project developer that energy consumption at the site was considered too small to make a project feasible. Staff has also investigated the possibility of solar panels to City Hall and Senior Community Center. It was determined that the cost of retrofitting the roof to accommodate the solar panels was prohibitive in view of the limited energy that would be produced.
6.2.14 Evaluate the feasibility of replacing gas-fired water heaters with solar thermal panels in all City buildings.	A solar water heating system was installed at the new Marine Safety Headquarters in 2015, providing nearly all of the hot water for the facility. The City will investigate the feasibility of solar heating systems with future construction projects.
6.2.15 Incorporate into the planning process for public works projects a requirement to incorporate measures to minimize greenhouse gas emissions.	The California Environmental Quality Act requires that greenhouse gas emissions be considered as part of the development review process.
6.2.16 Strive to increase the number of trees on public properties.	Ongoing - The City plants trees as part of its public improvement projects, such as the recent streetscape beautification project in South Laguna. The City

	completed a streetscape beautification project for Broadway Street between the Bus Depot and Forest Avenue.
7.3.1. Green Awards: Set up a program that provides recognition and publicity to local businesses and organizations for their outstanding environmental efforts.	Local businesses are eligible for recognition by applying for Waste Management's Green Business Certification Program.
7.3.2 Employee Awareness: Increase employee awareness of the importance of energy conservation by providing training opportunities on interim and permanent smart energy practices. Send periodic e-mail messages about turning off lights and computers and implementing other efficiency practices, and post signs or billboards near light switches or communal printers; consider holding annual energy fairs prior to seasonal emergency periods to provide additional information for employees about how to manage energy use in the workplace and in their homes.	The next several measures are intended to apply to energy-consumptive activities by the private business sector. These items are largely unregulated by the City, and their voluntary implementation is the responsibility of individual businesses. California Investor Owned Utilities are required by the California Public Utilities Commission to offer energy efficiency programs to their customers. It is assumed that local businesses, like all energy consumers desiring to save money will contact their utility provider for tips, information, technologies and energy audits to assist with reducing energy consumption. The City provides link to the utility providers in its Environmental Sustainability webpage.
7.3.3 Artificial Lighting: Reduce the unnecessary use of general artificial lighting, and convert to task lighting, which is more efficient than general lighting, where it is feasible for task lighting to maintain sufficient lighting levels for safety and productivity. Install motion sensors and separate lighting circuits, where feasible, to turn off unneeded lights.	See above.
7.3.4 Standby Power Use: Ensure that computer, monitor, and printer "low power stand-by" mode features are set and activated. If equipment does not have Energy Star features, turn it off when it will be idle for more than an hour. Install smart meters to check energy use online.	See above.
7.3.5 Appliances: Turn off personal appliances, such as coffee pots and radios when not in use.	See above.
7.3.6 Off-Peak Use: Where feasible, schedule high electrical energy-use processes during off-peak periods.	See above.

(Peak periods are 5 PM to 7 PM in winter, 2 PM to 6 PM in summer.)	
7.3.7 Consider long-term energy efficiency and conservation improvements for both cold- and hot-weather conditions. This can reduce both long and short term costs, especially in a period of rising energy prices.	See above.
7.3.8 Point-of-Use Water Heaters: Encourage the installation of point-of-use (or on-demand) hot water systems, where feasible, including in each room of lodging establishments.	See above.
7.3.9 Paper Use: Reduce the amount of paper used to conduct business by doing double-sided copying, consolidating files, and circulating documents via email and posting them on websites. Collect and recycle paper when possible. Ultimately businesses should adopt the paperless office.	This is generally being done by business.
7.3.10 Employee Transportation: Encourage employees to take the bus, bike, carpool (or vanpool) to work. Facilitate telecommuting and/or permit employees to work extended hours during fewer days in the week.	The City is testing a 9/80 work schedule program for its employees and telecommuting is a more accepted practice in the private sector.
7.3.11 Company Vehicles: Maintain vehicles properly to improve their fuel efficiency, and consider alternate-fuel vehicles for some or all new vehicle purchases.	
7.3.12 Green Building: When doing tenant improvements or new construction, work with owners, architects, designers, and contractors to ensure energy-efficient design and use of resources, maximum recycling of construction waste, and materials selection for healthy interior air quality.	This is a goal for the general public and design professionals.
7.3.13 Waste Audits: Conduct an audit of the business total waste stream broken down by type and volume of material.	Although it is the responsibility of the commercial sector to reduce their waste, the City's solid waste hauler Waste Management offers waste stream audits to individual businesses upon request to help identify specific types and volumes of material. Additionally, the City provides ongoing educational information to the local business community for improving recycling and reducing their waste.
7.3.14 Trash Reduction: Implement trash reduction measures such as the following.	Ongoing – The listed implementation measures are primarily an individual

<ul style="list-style-type: none"> • Keep mailing lists current. • Reduce junk mail by sending a postcard to Mail Preference Service: P.O. Box 9008, Farmingdale, NY, 11735 requesting that your company's name be taken off all mailing lists. • Buy in bulk and choose products that use less packaging. Work with companies that do the same. Minimize the packaging of any product your company produces. • Use reusable and/or recyclable containers for shipping your products. • Rent equipment that is used only occasionally, and buy equipment that is built to last. Establish a regular maintenance routine to prolong the life of copiers, computers and other equipment. • Re-use file folders, cardboard boxes, envelopes, paper clips, rubber bands, packing peanuts, etc. • Give leftover Styrofoam peanuts and bubble-wrap to Mail Boxes, Etc. Reuse newspaper and shredded paper for packing. • Refill and reuse fax, printer, and copier cartridges. • Donate unused materials to Art from Scrap, and old desks, office equipment, carpeting, telephones, and other items to Goodwill or the Salvation Army. Give old computers to an educational program. • Recycle office paper and old telephone books. • Recycle aluminum, glass, hard plastics #1-7, newspaper, cardboard, and magazines in your break area. • Arrange a green waste dumpster for major trimming, pruning or mowing projects. • Green Website: Create a web site that highlights the businesses and activities that have reduced their greenhouse gas emissions or that follow green practices. 	<p>business responsibility. The City provides helpful information links on many of these items on its Public Works Recycling webpage at http://www.lagunabeachcity.net/recycling</p> <p>The City offers several services focused on trash reduction: 1) Businesses and residents are offered three bulky item pick-ups per year (includes E-waste and universal waste) and hazardous waste (HW) collection. 2) A commercial Food Waste Recycling program for food establishments. 3) A Waste Management part-time recycling coordinator works directly with the businesses to provide outreach and education regarding mandatory commercial and organics recycling. 4) Green Business Certification is offered to businesses. A Waste Management consultant works directly with the businesses to help them meet the requirements for certification. Information regarding greenhouse gas emission reductions will be available on the Green Business Certification webpage. 5) An annual HW collection event is offered to residents and businesses. 6) A leaf collection program is offered to residents from October through February to collect unlimited amounts of bags for green waste recycling. 7) Holiday tree recycling is also offered to residents.</p>
<p>7.3.15 Green Website: Create a web site that highlights the businesses and activities that have reduced their greenhouse gas emissions or that follow green practices.</p>	<p>Pending – Research the feasibility of incorporating this feature into the Environmental Sustainability webpage.</p>
<p>7.3.16. Landscape Maintenance: Develop guidelines so that commercially used motorized landscaping equipment (e.g. chainsaws, hedge pruners, mowers) is the least polluting</p>	<p>Ongoing – The City enforces its leaf blower ordinance.</p>

available. The City ordinance prohibiting the use of leaf-blowers should be rigorously enforced.	
7.3.17 Laundry: Encourage hotels to offer provisions for optional laundering of towels and bed linens.	It is assumed that local businesses, like all energy consumers desiring to save money will contact their utility provider for tips, information, technologies and energy audits to assist with reducing energy consumption. The City provides link to the utility providers in its Environmental Sustainability webpage.
7.3.18 Swimming Pools: Encourage solar thermal heating for swimming pools at hotels and resorts.	The City requires pool covers.
7.3.19 Transportation: Encourage businesses to provide incentives such as free or discounted transit passes, commuter or vanpool fares, and prizes or special recognition for reducing single-passenger vehicle use. Promote and encourage the use of City-provided transportation for employees and customers, particularly during peak season.	
8.3.1 Education: Educate the public about the impact of water use on climate change and about measures that citizens can take to reduce their water consumption.	Mandatory conservation measure and extensive public education – due to the recent severe drought conditions, resulted in long-term water usage reductions. The City has also won the competition to be named a “ <i>Water Wise</i> ” city for the fourth consecutive year.
8.3.2 Landscape Guidelines: Develop landscape design and maintenance guidelines regarding the use of water-conserving plants and irrigation techniques, including criteria for lawns and water use. Guidelines could be mandatory for new construction and for remodeling involving landscaping. Develop incentives to encourage the alteration of existing high water use landscapes.	Completed – The City has produced guidelines for landscape design as part of the adopted Water Efficient Landscape Ordinance.
8.3.3 Water Use in a Green Building program: Incorporate water saving measures into a Green Building program: such as dual flush toilets, low-flow shower heads, and Energy Star washing machines and dishwashers into building standards.	Completed - The City Green Building Code requires plumbing fixtures and fixtures that will reduce overall use of potable water within the building by 20%.
8.3.4 Greywater Standards: Consider adopting the State greywater building codes (Title 24, Part 5), including whatever adaptations are necessary in response to local soils	Completed.

and topography. After a three year period, evaluate the local experience of greywater systems and amend the code as necessary.	
8.3.5 Swimming Pools: Encourage pool owners to use covers and solar hot water heating.	The City requires that pools be covered.
8.3.6 Recycled Water: Request that LBCWD, SCWD, and SOCWA investigate and report on the potential to increase the City's reclaimed water supply and usage. For example, investigate the potential to develop reclaimed water pipelines for landscape irrigation throughout the City.	The Laguna Beach County Water District has studied the feasibility of the development of recycled and reclaimed water within their service area, and has determined that it is impractical due to cost. The South Coast Water Districts has an extensive recycled water program.
8.3.7 Rain Water Catchment: Investigate the potential for roof rainwater catchment and storage throughout the City. Consider allowing for rainwater catchment and storage in all new building designs for landscape or domestic use.	The City Council in 2011 supported State Assembly Bill 275: The Rain Catchment Act of 2011 to authorize residential, commercial, and governmental landowners to install, maintain, and operate rain barrel systems and rainwater capture systems in order to supply water for outdoor, non-potable uses. Additionally, the City and Laguna Beach County Water District have several rain barrels as examples for the public.
9.3.1 Establish a Climate Protection page on the City's website. The page would include links to the US Mayors Climate Protection Agreement and to the implementation plan (CPAP) prepared by the Climate Protection Work Group. It would also include information on ways to reduce greenhouse gas emissions in the home, encourage use of public transit and carpooling, as well as recommend reusable shopping bags and the purchase of CFLs and Energy Star (or comparable) appliances. It would inform the community of energy-related ordinances such as the one limiting the use of leaf blowers and other gas-powered equipment. Additionally, the web page could encourage the effective insulation of buildings and the installation of solar water heaters and roof panels in homes, offices, and buildings. Information regarding rebates for such installations would be provided.	Completed and periodically updated. The Environmental Sustainability webpage includes links to electric utility rebates, efficient appliances, carpooling and ridesharing programs, and information on the City's reusable bag ordinance.

9.3.2 Encourage the Laguna Beach High School to institute an environmental club with an appropriate faculty adviser.	The LBHS students form student clubs at the beginning of every school year, based on interest and have formed environmental clubs in past years.
9.3.3 Issue periodic updates to the local newspapers on the status of implementing the CPAP.	Ongoing.
9.3.4 Incorporate into the City Manager's annual report information on climate protection matters and milestones.	Ongoing.
9.3.5 Ask the Environmental Committee to encourage local civic organizations to sponsor forums on topics related to climate protection.	The Environmental Committee is in the process of developing a lecture series on topics related to the environment and sustainability.
9.3.6 Use the Environmental Awards program to single out those individuals or groups that have demonstrated significant reductions in CO2 emissions.	Local businesses are eligible for recognition by applying for Waste Management's Green Business Certification Program.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA BEACH
DECLARING SUPPORT OF THE PARIS CLIMATE AGREEMENT AND THE MAYORS
NATIONAL CLIMATE ACTION AGENDA

WHEREAS, consensus exists among the world's leading climate scientists that global warming caused by emissions of greenhouse gases from human activities is among the most significant problems facing the world today; and

WHEREAS, climate change exposures with the potential to impact Laguna Beach include, but are not limited to, increase in average temperatures, extreme heat, heatwaves, wildfires, extreme storms, and flooding, as well as decreases in precipitation, changes in wind speed and types, and strained water supplies; and

WHEREAS, the City of Laguna Beach has demonstrated a commitment to environmental values and causes through various local projects, programs, ordinances, and activities; and

WHEREAS, the City Council appoints local residents from the community to serve on its Environmental Sustainability Committee to provide the City Council with recommendations on public policies for protecting the environment and encouraging sustainability; and

WHEREAS, in 2009, the City adopted a Climate Protection Action Plan for reducing local Green House Gas emissions; and

WHEREAS, the City operates its own public transit system to facilitate mobility for residents and visitors, reduce parking and traffic congestion, and reduce carbon emissions; and

WHEREAS, the City promotes efforts to reduce traffic and parking congestion, and reduce carbon emissions from vehicles through programs, such as remote parking options and incentive-based parking fees; and

WHEREAS, the City initiates public projects and amenities to encourage alternative forms of transportation, such as walking and bicycling; and

WHEREAS, the City Council adopts policies that protects wilderness and marine habitats; and

WHEREAS, the City implements and promotes programs for reducing solid waste and increasing recycling; and

WHEREAS, the City promotes water conservation, including winning the National Mayor's Challenge for water conservation for the fourth time as the most "*Water Wise City*," and

WHEREAS, the Mayors National Climate Action Agenda (also known as the "Climate Mayors Network") is a network of more than 300 United State mayors, representing over 65 million Americans, committed to strengthening local efforts to reduce GHG emissions and supporting efforts for binding federal and global-level policy making; and

WHEREAS, the Mayors National Climate Action Agenda also supports adopting, honoring, and upholding the goals of the Paris Climate Agreement; and

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA BEACH DOES HEREBY RESOLVE AND DECLARE AS FOLLOWS:

SECTION 1. The City hereby supports the goals of the Mayors National Climate Action Agenda; and

SECTION 2. This resolution shall not bind the City to any particular policy action nor result in any financial obligations or commitments; and

SECTION 3. The City Clerk shall certify to the adoption of this resolution.

ADOPTED this 8th day of August 2017.

Toni Iseman, Mayor

Attachment 3

ATTEST:

Lisette Chel, City Clerk
STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, LISETTE CHEL, Clerk of the City Council of the City of Laguna Beach, California, do hereby certify that the foregoing Resolution No. XX.XXX was duly adopted at a Regular Meeting of the City Council of said City held on August 8, 2017, by the following vote:

AYES: COUNCILMEMBERS:

NOES: COUNCILMEMBERS:

ABSENT: COUNCILMEMBERS:

Lisette Chel, City Clerk