



MINUTES

CITY OF HUNTINGTON BEACH PUBLIC WORKS COMMISSION MARCH 19, 2014

**Call to Order/
Pledge of Allegiance:** The meeting was called to order at 5:01 p.m. by Chairperson Brenden, who led Commissioners and the audience in the Pledge of Allegiance to the Flag.

Commissioners Absent: Cook and McGovern

Commissioners Present: Commissioners Brenden, Carr, Hart, Berge, and Thomas were in attendance.

Others Present: Travis Hopkins, Director of Public Works
Tom Herbel, City Engineer
Brian Ragland, Utilities Manager
Chris Davis, Sr. Administrative Analyst
Sylvia Franklin, Water Conservation Coordinator
Joe Fuentes, Civil Engineering Assistant
Ken Dills, Project Manager
Kirsty Wapner, Administrative Assistant

B. PRESENTATIONS-COMMENDATIONS

None.

C. MINUTES

C-1. Motion by Commissioner Hart, seconded by Commissioner Carr to approve the minutes of February 19, 2014 as presented.

VOTE: The motion carried.
AYES: 5
NOES: 0
ABSENT: 2 (Cook, McGovern)
ABSTENTIONS: 0

D. ORAL COMMUNICATIONS

None.

E. DIRECTOR'S ITEMS

None.

F. INFORMATION ITEMS

F-1. Upcoming City Council Study Sessions – It was noted the OC Plan to End Homelessness was just presented in Study Session in Monday. The mid-year budget update will be presented on May 19. CPAB will be brought to Study Session on June 2 to review recommendations for the CDBG Action Plan. The CIP will be brought to Study Session on August 4. The CIP tour for the Public Works Commission will most likely be in June.

F-2. Active Capital Project Report – Tom Herbel provided updates on the capital project report. He stated that Brookhurst/ Indianapolis intersection has a failed sewer siphon. Construction has started. Pressure grouting should begin tomorrow. There were some issues but the project is now moving forward. The Arterial Rehabilitation for Argosy, Yorktown and 6th Street will be going out to bid soon. Residential Pavement Rehab Zone 11 and Edmonds Circle and Craig Lane Tree Petition are currently in design and will go out to bid in summer. Meredith Pump Station Expansion went out to bid today. Slater Channel Improvements has been completed. First Street Diversion SCADA Project will be presented for Council approval on April 7. South Beach Parking Lot has been completed. Warner Ave Gravity Sewer Main & Lift Station C Reconstruction-Warner is now done and work is moving into PCH. Commissioner Thomas reported the sign on northbound PCH has been upside down for some time. Chair Brenden recommended a reader board sign at Seapointe. Mr. Herbel will look into this possibility. Algonquin/ Boardwalk Lift Station is moving forward; the contractor is currently in the process of abandoning the old lift station. They should be out within the next month. Beach Blvd Sewer Replacement work is being done at night. The bridge rehab project has been approved and waiting until WAGS is complete. Chair Brenden had inquired about the energy savings on WAGS. Mr. Herbel will provide information.

F-3. Water Management Plan Update – The PowerPoint that was presented is attached to these minutes. Chris Davis presented and noted that Stage 1 of the Water Management Plan was effective from 2009-2011, which limits the usage of water and other corrections and limitations to be in effect. The public hearing for the updated Water Management Plan is going to Council April 7 and it would be effective May 20.

Sylvia Franklin also presented and noted Huntington Beach is doing well with water efficiency efforts. The categories are based upon population size. Franklin also reported on the upcoming Mayors Challenge. The public is

informed of information via water billing insert slips, HDTV, Facebook, local newspaper, etc. Mr. Hopkins noted City staff is still moving forward with the tiered water rates. The City is currently in the process of updating the billing system. This was delayed while the City updated the financial system, which was completed in February. This will be brought back to the PWC within the next couple months as billing systems continue to be evaluated.

G. ADMINISTRATIVE ITEMS

G-1. Residential Overlay of Maintenance Zone 11 Including Tree Petition Streets Craig Lane and Edmonds Circle– Joe Fuentes reported on Maintenance Zone 11, noting that it covers seven reporting districts. Craig Lane and Edmonds Circle are streets that require curb and gutter, parkway, sidewalk, street, tree, and other improvements damaged by existing trees. Funds in the amount of \$2,550,000 have been budgeted for this project. He distributed a handout of the street maps.

Motion by Commissioner Thomas, seconded by Commissioner Hart, to approve that the Residential Overlay of Maintenance Zone 11 and FY 13/14 Tree Petition Streets is in general conformance with the previously approved CIP.

VOTE: The motion carried.
AYES: 5
NOES: 0
ABSENT: 2 (Cook, McGovern)
ABSTENTIONS: 0

H. WRITTEN COMMUNICATIONS

None.

I. COMMISSION AND STAFF COMMENTS

Travis Hopkins noted that a Huntington Beach home was recently featured in OC Makeover Home. A few commissioners commented they would like a copy of the PowerPoint that was presented. Chair Brenden requested further information on the PMP. Chair Brenden noted the bonfire at the beach for the General Plan Update is tonight. Commissioner Berge asked if anyone knew of CO2 levels in the water in northern California.

J. ADJOURNMENT

The meeting adjourned at 6:30 PM to April 16, 2014 at 5:00 PM at the Utilities Yard.

Pat Brenden
Chairperson

Kirsty Wapner
Administrative Assistant

WATER MANAGEMENT PLAN UPDATE

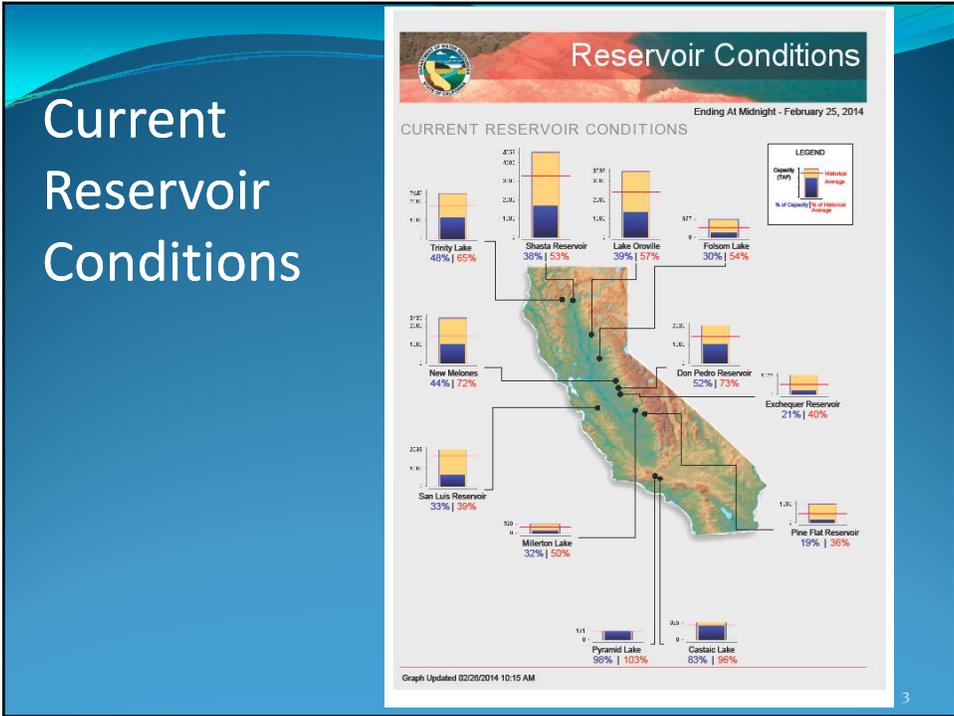
PUBLIC WORKS COMMISSION MEETING
MARCH 19, 2014

1

The Statewide Drought of 2014

- Jan. 17, 2014 – Governor Brown declared a Statewide drought for California. Asked for a voluntary 20% reduction in water use.
- In January, the State Water Project water allocations were set at 5%.
- In February, the State Water Project water allocations were set at 0%.
- In February, Metropolitan Water District endorsed the Governor's statewide call for water conservation.
- In February, Municipal Water District of Orange County voted to support voluntary 20% reduction in water use.
- Huntington Beach currently obtains 70% of its water supply from groundwater and obtains 30% from MWD (imported water).

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Water Management Plan

- Review of Current Water Management Plan – Huntington Beach Municipal Code 14.18.
- Proposed Amendments to Water Management Plan

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Authority

- California Water Code 375
 - Permits public entities to adopt and enforce a Water Management Program
 - Based on the need to conserve and to avoid or minimize the effects of future water shortages
- Municipal Code 14.18
 - Stages determined by the Director of Public Works
 - City Council directs City Manager to implement
 - Stage 1 implemented in March 2009, rescinded June 2011

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HBMC 14.18.020 (A)

- The purpose of this chapter is to establish a water conservation and supply shortage program that will:
 - Reduce water consumption within the City of Huntington Beach through conservation
 - Enable effective water supply planning
 - Assure reasonable and beneficial use of water
 - Prevent waste of water
 - Maximize the efficient use of water to avoid and minimize the effect and hardship of water shortage to the greatest extent possible.

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HBMC 14.18.020 (B)

- Establishes permanent water conservation standards intended to:
 - Alter behavior related to water use efficiency at all times
 - Establishes three levels of water supply shortage response actions to be implemented during times of declared water shortage or declared water shortage emergency
 - Increasing restrictions on water use in response to worsening drought or emergency conditions and decreasing supplies. (3104-4/91, 3849-1/10)

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Water Management Program

- Permanent Conservation Measures
- 3 levels based on rationing/shortage levels
 - Level 1 – 10% shortage
 - Level 2 – 10%-20%
 - Level 3 – 20% or more
- Further actions/revised program if necessary

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Permanent Conservation Measures

- Reduce interior and exterior uses of water whenever possible to prevent water waste.
- Prohibit the washing of concrete and other hard surfaces, including driveways, walkways and parking areas, except as required to maintain health or safety, unless a cleaning machine equipped to recycle water is used.
- Require automatic cut-off valves on hoses or use of a bucket when washing vehicles or other items outside.
- Turn off decorative fountains, ponds, lakes and pools unless a water recycling system is used. Eliminate draining and refilling of decorative ponds and fountains unless necessary for health and safety reasons.

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Permanent Conservation Measures (Continued)

- Encourage installation of pool and spa covers to minimize water loss due to evaporation. Discourage draining and refilling of pools and spas unless necessary for health and safety reasons.
- Regulate irrigation of residences, golf courses, cemeteries, government, public and commercial facilities landscape areas.
- Prohibits irrigation between 9:00 a.m. and 5:00 p.m. Reduce irrigation times or frequency by 50% where possible.
- Adjust sprinklers and irrigation systems to avoid over-spray, run-off and waste. Do not allow water to run off landscaped areas into adjoining streets, sidewalks, parking lots or alleys.

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Permanent Conservation Measures (Continued)

- Encourage the installation of low-water-using plants combined with hardscape materials and energy-efficient irrigation systems when installing or replacing landscapes; discourage replanting, if possible.
- Restaurants shall serve drinking water only upon request.
- Evaluate necessity or frequency of high-water-using activities, such as window washing, exterior walls or other nonessential cleaning.
- Retrofit indoor plumbing fixtures with low-flow devices if appropriate; encourage low-water-using fixtures when replacing existing fixtures.
- Check faucets, toilets, pipes, irrigation systems and meters for leaks and repair immediately.

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Level 1

- Limits irrigation of lawn, landscape or other vegetated areas with potable water to one day per week between November and March; three days per week from April to October
- Requires all leaks, breaks or other malfunctions be repaired within 72 Hours.

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Level 2

- Limits watering of lawns, landscapes or other vegetated areas with potable water to one day per week from November to March; two days per week from April to October
- Requires leaks, breaks and other malfunctions be fixed within 48 Hours
- Prohibits filling of artificial lakes and ponds, except those with aquatic life
- Prohibits washing of vehicles except by bucket, hose with shut off nozzle, or at a commercial car wash that uses a recirculating water system
- Prohibits filling more than one foot of residential swimming pools or spas with potable water; prohibits initial filling of residential pools or spas.

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Level 3

- Prohibits irrigating of lawn, landscape or vegetated area except:
 - With a handheld bucket or hose with a shut off nozzle
 - For maintenance of landscape for fire protection or soil erosion control
 - Rare or protected species
 - Public Parks and playing fields, daycare centers, golf course greens and school grounds no more than two days per week
 - Environmental mitigation projects

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Level 3 Continued

- Leaks, breaks and other malfunctions must be fixed within 24 hours
- No new potable water service will be provided, excepts if a valid, unexpired building permit has been issued
- The City of Huntington Beach may discontinue service to customers who willfully violated provisions of this section
- No new annexations to the service area will be considered except if they will not result in increased water usage

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Amendments to Water Management Plan

- Last Updated November 2009
- Recommendations made due to:
 - Staff experience in implementing ordinance from 2009 to 2011
 - Sierra Club Water Conservation Scorecard in 2011 citing additional areas for improvement

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Proposed Amendments to the Ordinance

- Banning the use of potable water for compacting or other dust control purposes in construction activities when a non potable source of water is available. The ordinance also requires that hoses used in construction be equipped with an automatic shut-off nozzle.
- Requires the establishment of a hydrant meter account or written approval from the Director of Public Works for use of a City hydrant for purposes other than firefighting or emergency aid.
- Bans the indiscriminate use of water.
- During a Level I Water Supply Shortage, allows two days of watering between November through March rather than one day.

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Timeline

- Public Works Commission March 19
- City Council Public Hearing April 7
- Second Reading April 21 (anticipated)
- Becomes effective May 20

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City's Strategic Plan

By June 1, 2014 present recommended updates to the City Council about the City's Water Conservation and Water Supply Shortage Program, including the Water Conservation Incentive Program.

- Review rebate programs to identify where additional City funding would result in the greatest participation and water savings (i.e., Turf Removal Program).
- Report on results of public outreach and rebate programs in place since October, 2013
- Report on results of new public outreach and rebate programs since March, 2014

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Huntington Beach Residents are doing a great job in conserving water!

SOUTHERN CALIFORNIA

A LEADER IN WATER CONSERVATION

Southern California has invested more than \$12 billion in conservation and local supply projects since 1995

\$12,000,000,000+

\$1 Billion
Conservation

+\$2.5 Billion
Recycling

\$.75 Billion
Stormwater

\$1.5 Billion
Groundwater Storage

\$5 Billion
Surface Water Storage

\$2.5 Billion
Groundwater Clean-up

LEADERS IN WATER EFFICIENCY

Conservation All Stars

| | |
|------------|------------------|
| 75 | Santa Ana |
| 114 | Long Beach |
| 121 | Huntington Beach |
| 143 | Glendale |
| 150 | San Diego |
| 163 | Burbank |
| 166 | Mojave Desert |

gallons used per day per person

California

residents on average use

196

Gallons per day

Los Angeles

residents on average use

129

Gallons per day

Southern California Population

| | |
|--------------|--------------|
| 1990 | 2010 |
| 16.5 MILLION | 19.5 MILLION |

Total Water Use Has Stayed Flat!

Despite 3 million new residents.

Los Angeles has one of the lowest per capita water use

out of all US cities with a population of more than 1 million

For more information, visit www.SocalWater.org

Residential Rebates:

MWDOC.com/rebates

- Turf Removal - \$1 /sq. ft.
- Smart Timer Irrigation Controllers – up to \$380
- Irrigation nozzles - \$4 ea.
- Clothes Washers – start at \$ 85

- Toilets - \$50
- Soil Moisture Sensor System - \$ 80 or \$25 per station for larger properties
- Rain Barrels - \$75

Commercial Rebates: MWDOC.com/rebates

- Turf Removal - \$1 /sq. ft.
- Smart Timer Irrigation Controllers – up to \$380 or \$25 per station
- Irrigation nozzles - \$4 ea.
- Air-Cooled Ice Machines - \$ 1,000
- Toilets - \$100
- Urinals - \$200
- Soil Moisture Sensor System - \$25 per station
- Rain Barrels - \$75



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Educational Programs

- A water science educational program provided by MWDOC and presented by the Discovery Science Center. H.B. Water Conservation is sponsoring the program for 7,640 students in Huntington Beach.
- Children's Water Festival held at UCI – A 2-day event with 7,000 children from Orange County including students from Huntington Beach.

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New MWDOC Programs

- Fitness Center Retrofits
 - Toilets – rebates were \$100, now \$300
 - Urinals – rebates were \$100 , now \$500
- Public Spaces (coming soon)– Water Smart Landscape Program Landscape Retrofits on Irrigation Systems and Turf Removal
 - Schools Districts
 - Parks

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Areas for Enhanced Water Conservation Outreach

- Fitness Center Retrofits
 - Toilets – rebates were \$100, now \$300
 - Urinals – rebates were \$100, now \$500
- School Districts and Golden West College
 - Low Flow Showerheads*
 - Replace Toilets
- HOA's -
 - Existing Residential Rebates
 - MWD's New Program for Free Water Smart Landscape Surveys

* Rebates No longer Available - Possible City Funding

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HB Water Conservation Winter Activities

- Jan. 18th – California Friendly Landscape Class - Design
- February – Bill Insert – Rebate Opportunities
- Feb. 8th – Rainwater Harvesting Class – 160 rain barrels sold
- Feb. 22nd – California Friendly Landscape Class - Soils and Plants



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HB Water Conservation Spring Activities

- March – Bill Insert – OC Garden Friendly Event on March 29th– Rebate Opportunities
- March 7th - Rainwater Harvesting Class – 106 rain barrels sold
- March 15th – California Friendly Landscape Class – Irrigation Systems, Watering, & Garden Maintenance
- March 26th & 27th – Children’s Water Education Festival at UCI
- March 29th - OC Garden Friendly – March 29th 10 a.m. – 3 p.m. at Home Depot (Warner/Goldenwest).

(cont'd)

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HB Water Conservation Spring Activities

- April 1st – 30th – National Mayor’s Challenge - Wyland Foundation
- April 12th - Rainwater Harvesting Class
- April 26th - Shipley Nature Center – Children’s Program
- May 16th - Water Summit at Disneyland’s California Adventure Hotel
- May 17th & 18th - Duck-A-Thon – Water Conservation Info Booth



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HB Water Conservation Summer Activities

- June 14th – California Friendly Landscape Class – Design
- July 12th – California Friendly Landscape Class – Soils and Plants
- August 9th – California Friendly Landscape Class – Irrigation Systems, Watering & Garden Maintenance
- Sept. 13th - Green Expo – Water Conservation Info Booth
- Sept. 27th - Shipley Nature Center - Buy One Get One Plant Sale
- Oct. - Rainwater Harvesting Class



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Shipley Nature Center

- April 26th – Free Children’s Program 11 a.m. to 2 p.m.
- Sept. 27th – Buy One Get One Free Plant Sale
- Demonstration Garden
- Hours: Mon. – Sat. 9 a.m – 1 p.m.
- Website: www.shipleynature.org
- Phone: (714) 842-4772
- Location: 17851 Goldenwest St.



National Mayor’s Challenge 2014

Free California Friendly Landscape Classes



Jan. 18th 9 a.m. - noon – Landscape Design

Feb. 22nd 9 a.m. - noon – Soils, Fertilizers & Plants

March 15th 9 a.m. - noon– Irrigation Systems, Watering & Garden Maintenance

Classes hosted by the Utilities Division Water Conservation Section

Location: Utilities Yard
19001 Huntington St.
9 a.m. to Noon

To Register, log on to:
www.huntingtonbeachca.gov/hbwater/workshop-events/
Or call: 714-536-5921



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Orange County Garden Friendly Event at Home Depot

This event is brought to you by: Municipal Water District of Orange County
OC Stormwater Program • City of Huntington Beach • The Home Depot • University of California Cooperative Extension



Help Your Garden Survive the Drought!

SATURDAY
March 29
10 a.m. to 3 p.m.

Learn how to save water and eliminate runoff with California-friendly plants by attending an upcoming Orange County Garden Friendly event.

OCGardenFriendly.org



The Home Depot
Huntington Beach
7100 Warner Avenue
Huntington Beach, CA

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Free Rainwater Harvesting Class (Hosted by the H.B. Utilities Division)

Date: April 12th, 2014

Time: 3 to 4 p.m.

Location: Utilities Yard - 19001 Huntington St.

To Register: Please contact Cindy (919) 602-6316



Rain Barrels are available for \$85
(Rebates of \$75 are offered by the
Metropolitan Water District)

Purchases must be made in
advance by April 10th at
www.RainBarrelsIntl.com



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Questions?

Contact: Sylvia Franklin
Water Conservation Coordinator

(714) 536-5921

Email: sfranklin@surfcity-hb.org

Website: www.huntingtonbeachca.gov/hbwater

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H.B. Permanent Water Ordinance Requirements (effective 1/6/10)

- Irrigation is prohibited between 9 a.m. and 5 p.m.
- Irrigation is limited to no more than 15 minutes per day per station
- Washing of vehicles requires the use of a hand-held bucket or hose equipped with a water shut-off nozzle.
- Washing down hard or paved surfaces is prohibited.
- Leaks, breaks or malfunctions must be corrected with seven (7) days of notification.

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H.B. Permanent Water Ordinance Requirements (effective 1/6/10)

- Water fountains or decorative water features are required to use recirculation systems.
- Installation of single pass cooling systems to domestic water supplies is prohibited.
- Excessive water flow runoff is prohibited.
- Restaurants are required to use water conserving dish wash spray valves.
- Restaurants are to serve drinking water only upon request.
- Violations are subject to fines of up to \$1,000.

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H.B. Level 1 – Water Supply Shortage

- Entered in to Level 1 in April 2009 and it was terminated in June 2011.
- Limits on Watering Days: Limited to three (3) days per week during the months of April through October and limited to one (1) day per week during the months of November through March.
- Leaks, breaks, or malfunctions must be repaired within seventy-two (72) hours of notification.
- Violations are subject to fines of up to \$1, 000.

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Strategic Plan

CITY OF HUNTINGTON BEACH
SIX-MONTH STRATEGIC OBJECTIVES
 31 January through 15 July 2014

| THREE-YEAR GOAL: IMPROVE THE CITY'S INFRASTRUCTURE | | | | | | |
|--|--|--|--------|-----------|---------|----------|
| WHEN | WHO | WHAT | STATUS | | | COMMENTS |
| | | | DONE | ON TARGET | REVISED | |
| 1. March 1, 2014 | Information Services Director | Select a consultant to prepare a five year Technology Master Plan | | | | |
| 2. At the April, July and Oct 2014 City Council Ad Hoc Committee on Bartlett park Meetings | Community Services Director | Update the Council Committee on the developmental plan approval process for Bartlett Park. | | | | |
| 3. April 1, 2014 | Public Works Director | Develop and present to the City Manager for review a work plan for a city facilities' needs <i>responsive to address public works needs.</i> | | | | |
| 4. June 1, 2014 | Public Works Director | Present recommended updates to the City Council about the City's Water Conservation and Water Supply Shortage Program, including the Water Conservation Incentive Program. | | | | |
| 5. August 1, 2014 | Information Services Director | Complete replacement of remaining outdated PCs and laptops. | | | | |
| 6. August 1, 2014 | Information Services Director and Master Plan consultant | Present to the City Manager a 5-year Technology Master Plan | | | | |

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