



CITY OF BEVERLY HILLS

PUBLIC WORKS SERVICES DEPARTMENT

MEMORANDUM

TO: PUBLIC WORKS COMMISSION

FROM: Trish Rhay, Assistant Director of Public Works Services
Vince Damasse, Water Resources Manager
David Hillyer, Water Quality Specialist

DATE: May 12, 2016

SUBJECT: GENERAL INFORMATION AND DEPARTMENT UPDATES

ATTACHMENTS:

1. City Council Items Tracking
2. Public Works Services & Capital Assets Department Master Plans Update
3. Water Master Plan Unidentified Pipes and Water Quality

This report transmits information regarding upcoming items for the City Council meeting, as well as answers to questions that have been raised at previous Public Works Commission meetings.

Question: Can a project manager be assigned to work specifically on obtaining a well site or sites from the Los Angeles Department of Water and Power (LADWP)?

Answer: A project manager is currently assigned to work with LADWP to identify and obtain potential well sites for the City's planned wells in the Central Basin. Staff has begun meeting with LADWP on the issue, and there are ongoing dialogues. Moreover, adequate staff has been assigned to ensure that there are adequate resources from the City of Beverly Hills so that the City is not the cause of any delays moving forward.

Question: The 2002 Water Master Plan, completed by Black and Veatch, indicated that approximately 3% of the City's pipes are considered unidentified. How can we be certain that these are not lead?

Answer: Please see Attachment 3 for the response to this question.

Question: A project at the Melrose and Santa Monica received a will serve letter twelve years ago. What is the status of this will serve letter?

Answer: The Will Serve Letter delineates that the City shall serve the development with certain infrastructure improvement conditions. Since the Will Serve Letter is over a year old, it has essentially expired and the developer shall be required to go through the City's new will serve process and be subject to any and all current applicable fees.

Question: How can we be sure that the numbers used to estimate the water demands of a new project in the proposed will serve process are accurate? How can we address a situation in which the estimates are not accurate?

Answer: The developer's estimate of water demands are reviewed internally for accuracy. These estimates are for ultimate build-out conditions. Additionally, staff applies conservative

appropriate peaking factors to account for peak demands above the average day demand per the City's Water Master Plan.

Question: What does the City do if it can no longer obtain water from any source?

Answer: According to the City Attorney's Office, the City would have to undertake a public hearing in order to impose a moratorium on all new development. If a public hearing were not held, the City could be subjected to lawsuits.

Question: How much is the Urban Water Management Plan ("UWMP") used as a planning document?

Answer: The State Department of Water Resources requires that each urban water supplier must complete an Urban Water Management Plan ("UWMP") every five years to support their long-term resource planning and ensure adequate water supplies are available to meet existing and future water demands. The structure of the UWMP is largely mandated by the State. As a result, this Plan does not replace the City's other long-term planning efforts. These would be incorporated into plans such as the Water Master Plan.

Question: How much additional water are the four additional projects in West Hollywood going to require, and what percentage of the water supply are these projects?

Answer: Staff is currently reviewing the water demands for these projects. Some of the proposed West Hollywood projects are anticipated to have potentially significant water demands including several 6-inch fire services, 4-inch domestic and 3-inch or larger irrigation meters. These projects will be subject to the Will Serve process whereby the water demands will be verified in more detail when plans become available.

Question: The City of Brea has worked with Chevron to build a solar-powered desalination plant that treats approximately the same amount of water as the City of Beverly Hills's Water Treatment Plant. How can the City use the same technology for its Water Treatment Plant?

Answer: Staff spoke with the Water Operations Superintendent at the City of Brea for additional information on this project. In 2010, the City of Brea worked with Chevron to install solar panels on a variety of City facilities, including City Hall, the Community Center, and the City's 30 million gallon reservoir. The solar panels installed on the reservoir provide solar power for the City's pump station. The six pumps at this pump station provide the main port for feeding the City's water system. While the pump station is primarily solar-powered, it does rely on Southern California Edison ("SCE") at some times. However, the City's electricity bills for the pumping stations have decreased dramatically since the solar panels were installed. Staff will continue to identify opportunities to use solar power to reduce electricity costs at the Water Treatment Plant, as well as for other water-related energy costs. Staff will also continue to work with staff from the City of Brea for best practices for these types of projects.

Question: How can homeowners measure and/or deal with lead in their lines?

Answer: Please see Attachment 3 for the response to this question.

ATTACHMENT 1

CITY COUNCIL ITEMS TRACKING

The following items from the Public Works Services (PWS) and Capital Assets Departments are currently agendized for the most-recent City Council meetings, as well as upcoming meetings. If there are any changes to these items, staff will provide an update at the May 12, 2016, Public Works Commission meeting.

April 19, 2016	
Study Session	
A Item	CONSERVATION PROGRAM AND POLICY UPDATE
Formal Session	
Consent Calendar	<p>CHANGE PURCHASE ORDER TO HARRINGTON PLASTICS FOR \$25,000, FOR A TOTAL NOT-TO-EXCEED AMOUNT OF \$84,500 FOR THE PURCHASE OF MATERIALS FOR THE WATER TREATMENT PLANT.</p> <p>Action: <i>Approved a change purchase order to Harrington Plastics for \$25,000, for a total not-to-exceed amount of \$84,500 for the purchase of materials for the Water Treatment Plant.</i></p>
	<p>CONSENT TO SUBLEASE BY AND BETWEEN THE CITY OF BEVERLY HILLS, THE W. MCDEVITT COMPANY, INC. AND NIGEL BURGESS, INC. FOR OFFICE SPACE IN THE 9400 SANTA MONICA BOULEVARD BUILDING</p> <p>Action: <i>Approved the sublease of 1,906 square feet of office space leased by The W. McDevitt Company, Inc., from the City of Beverly Hills to Nigel Burgess, Inc. DBA Burgess Yachts for five (5) years.</i></p>
	<p>ACCEPTANCE OF THE CONTRACT FOR THE INSTALLATION OF CONNECTOR PIPE SCREENS FOR THE CITY OF BEVERLY HILLS CATCH BASINS TO COMPLY WITH THE BALLONA CREEK TRASH TOTAL MAXIMUM DAILY LOAD (TMDL) BY UNITED STORM WATER INC. IN THE FINAL AMOUNT OF \$468,991, AND AUTHORIZATION OF CITY CLERK TO RECORD NOTICE OF COMPLETION</p> <p>Action: <i>Accepted work performed by United Storm Water Inc. in the final amount of \$468,991 and authorized the City Clerk to record the Notice of Completion.</i></p>
	<p>AWARD OF THE CONTRACT TO THE LOWEST RESPONSIBLE BIDDER, AMERICAN INTEGRATED SERVICES, INC. FOR THE SOIL REMEDIATION FOR THE DOG PARK PROJECT – BID #16-08; AND APPROVING PLANS AND SPECIFICATIONS THEREFOR; AND APPROVAL OF A PURCHASE ORDER TO AMERICAN INTEGRATED SERVICES, INC. IN THE TOTAL AMOUNT OF \$175,000 FOR THE CONTRACT WORK</p> <p>Action: <i>Awarded the contract for soil remediation work for the arsenic impacted soil and demolition of the miscellaneous existing improvements on the site. Following this award. Another future separate bid process will occur for the dog park improvements.</i></p>
	<p>ACCEPTANCE OF THE CONTRACT FOR THE CONSTRUCTION OF GATEWAYS AND STREETScape LOCATED AT OLYMPIC BOULEVARD AT SPALDING DR. AND SAN VICENTE BLVD. AT WILSHIRE BLVD. PROEJCT BY ICON WEST, INC. IN THE FINAL AMOUNT OF \$1,640,023.15 AND AUTHORIZATION BY CITY CLERK TO RECORD NOTICE OF COMPLETION</p> <p>Action: <i>Accepted work performed by Icon West, Inc. in the final amount of \$1,640,023.15 and authorized the City Clerk to record the Notice of Completion.</i></p>
	<p>ACCEPTANCE OF THE CONTRACT WORK FOR THE CONSTRUCTION OF FY 14/15 SIDEWALK, CURB AND GUTTER, AND DRIVEWAY APPROACH REPAIRS PROJECT BY C.S. LEGACY CONSTRUCTION, INC. IN THE FINAL AMOUNT OF \$1,125,770.13 AND AUTHORIZATION OF CITY CLERK TO RECORD A NOTICE OF</p>



CITY COUNCIL ITEMS TRACKING

	<p>COMPLETION</p> <p><i>Action: Accepted work performed by C.S. Legacy Construction, Inc. in the final amount of \$1,125,770.13 and authorized the City Clerk to record the Notice of Completion.</i></p> <p>APPROVE ACCEPTANCE OF BID PROPOSAL FROM LDV, INC. TO PROVIDE ONE TRUCK, MOBILE COMMAND CENTER, AND APPROVE A PURCHASE ORDER IN THE NOT-TO-EXCEED AMOUNT OF \$904,038.11 TO LDV, INC. FOR THE PURCHASE OF 1 TRUCK, MOBILE COMMAND CENTER</p> <p><i>Action: Accepted a bid proposal from LDV, Inc. to provide one Truck, Mobile Command Center, approved an appropriation in the amount of \$397,774.58 from the General Fund Balance to the Vehicle Replacement Fund, and approved a purchase order in the not-to-exceed amount of \$904,038.11 to LDV, Inc. for purchase of one Truck, Mobile Command Center to replace the job-worn and obsolete vehicle currently assigned to the Police Department, Police Support Services Division.</i></p>
<p>May 3, 2016</p>	
<p>Formal Session</p>	
<p>Consent Calendar</p>	<p>AUTHORIZE THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH MATRIX CONSULTING GROUP TO COMPLETE A COMPREHENSIVE OPERATIONAL, ORGANIZATIONAL, AND FINANCIAL AUDIT OF THE WATER SYSTEM; AND AUTHORIZE THE CITY MANAGER TO APPROVE A PURCHASE ORDER IN THE NOT-TO-EXCEED AMOUNT OF \$89,000 FOR THESE SERVICES.</p> <p>AN AGREEMENT WITH DATA SPECIALTIES, INC. FOR AS-NEEDED CITY-WIDE UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM TECHNICAL SUPPORT, REPAIR, REPLACEMENT AND PREVENTATIVE MAINTENANCE SERVICES.</p> <p>A CHANGE PURCHASE ORDER IN THE AMOUNT OF \$200,000 TO CANYON SPRINGS ENTERPRISES DBA RSH CONSTRUCTION SERVICES FOR THE PROJECT "REVERSE OSMOSIS (R.O.) WATER TREATMENT PLANT REHABILITATION" (JOB #10102); AND APPROPRIATION OF \$200,000 FROM THE WATER FUND.</p>
<p>May 17, 2016</p>	
<p>Study Session</p>	
<p>A Item</p>	<p>ELECTRIC VEHICLE CHARGING POLICY</p>
<p>Formal Session</p>	
<p>Consent Calendar</p>	<p>APPROVAL OF A PURCHASE ORDER IN THE NOT-TO-EXCEED AMOUNT OF \$176,021.70 TO LEHR AUTO ANAHEIM FOR UPFITTING SERVICES</p> <p>AN AGREEMENT WITH DATA SPECIALTIES, INC. FOR AS-NEEDED CITY-WIDE UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM TECHNICAL SUPPORT, REPAIR, REPLACEMENT AND PREVENTATIVE MAINTENANCE SERVICES.</p> <p>AWARDING A CONTRACT TO THE LOWEST RESPONSIBLE BIDDER, TRAVIS AGRICULTURAL CONSTRUCTION, INC. FOR INSTALLATION OF A CONTAINMENT LINER SYSTEM AT RESERVOIR 3B COLDWATER CANYON DRIVE AND CABRILLO DRIVE IN THE AMOUNT OF \$456,797 AND APPROVING A PLAN AND SPECIFICATIONS THEREFOR; AND APPROVAL OF A PURCHASE ORDER TO TRAVIS AGRICULTURAL CONSTRUCTION, INC. IN THE AMOUNT OF \$456,797 FOR THIS PROJECT</p> <p>APPROVAL OF AN AGREEMENT BETWEEN THE CITY OF BEVELRY HILLS AND LYTX, INC. TO PROVIDE THE CITY OF BEVERLY HILLS WITH DRIVECAM PROGRAM SOLUTION; AND APPROVAL OF A PURCHASE ORDER IN THE NOT-TO-EXCEED AMOUNT OF</p>



CITY COUNCIL ITEMS TRACKING

	\$165,248.48 TO LYTX, INC. FOR PURCHASE OF DRIVECAM PROGRAM SOLUTION
	APPROVAL OF A PURCHASE ORDER TO LOS ANGELES TRUCK CENTER, LLC DBA LOS ANGELES FREIGHTLINER FOR A TOTAL NOT-TO-EXCEED AMOUNT OF \$291,016.45 FOR PURCHASE OF ONE (1) CNG FUELED REAR LOADER REFUSE COLLECTION VEHICLE
	APPROPRIATION OF \$XXX,XXX FROM WATER PENALTY SURCHARGES TO FUND WATER CONSERVATION PROGRAMS
	AGREEMENT WITH MACRO AUTOMATICS CORPORATION FOR INSTALLATION AND PROGRAMMING OF CONTROL PANELS AT VARIOUS RESERVOIRS; AND APPROVAL OF A PURCHASE ORDER WITH MACRO AUTOMATICS FOR A NOT-TO-EXCEED AMOUNT OF \$78,105

ATTACHMENT 2

Public Works Services & Capital Assets
 Department Master Plans
 Updated 5/3/16

Topic Area	Plan	Purpose	Type	Approving Agency	Frequency Updated	Last Adopted	Next Update (Anticipated)	Notes
Water	Water Master Plan	Identifies and assesses existing and future water infrastructure, maintenance, and Capital Improvement Project water needs	Best Practice	n/a	Every 5 Years (best practice)	2002	2017	Staff will soon begin the development of an updated hydraulic model and, subsequently, the Water Master Plan will be updated.
Water	Groundwater Sustainability Plan - Central Basin	Manages and regulates the groundwater in the Hollywood Basin to ensure the long-term sustainability of the Basin. New requirement under the 2014 Sustainable Groundwater Management Act (SGMA). Requires all local public agencies utilizing the Hollywood Basin to coordinate to develop the Plan.	Regulatory	Department of Water Resources	Every 5 years (following initial adoption of Groundwater Sustainable Plan (GSP))	n/a (new regulatory requirement)	2020	Groundwater Sustainable Agency (GSA) developed by June 30, 2017. Alternative GSA developed and submitted by January 1, 2017. GSPs completed by 2020/2022 to be updated every 5 years
Water	Urban Water Management Plan	Support long-term resource planning to ensure that adequate water supplies are available to meeting existing and future water demands.	Regulatory	Department of Water Resources	Every 5 Years ending in "0" or "5"	2010	2016	Preparation of 2015 UWMP underway; will be presented to PWC at April Meeting. Must be adopted by CC and submitted to State DWR by June 30, 2016.
Water	Water Enterprise Plan	Identifies the City's ten-year strategy related to the City's water supply and identify the portfolio of actions/projects needed to meet this goal.	Council Directed	n/a	As needed	2015	n/a	Unscheduled at this time
Wastewater	Sanitary Sewer Management Plan	Describes activities the City uses to manage the wastewater collection system, including maintaining/improving the condition of the collection system infrastructure, providing adequate sewer capacity, and minimizing the number and impact of sanitary sewer overflows that occur. Must be adopted to comply with the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems.	Regulatory	State Water Resources Control Board	Every 5 Years	2012	2017	Staff anticipates that work will begin on this project in the coming months.
Wastewater	Wastewater Master Plan/ Sewer Master Plan	Provides infrastructure assessment, assesses flow capacity, sewer integrity and creates schedule for wastewater/sewer mains	Best Practice	n/a	n/a	2010	n/a	Unscheduled at this time
Stormwater	Enhanced Watershed Management Program (EWMP) Plan	Describes activities to implement requirements of the MS4 Permit on a watershed scale through customized strategies control measures, and best management practices (BMPs). Prescribes compliance strategy for the Ballona Creek Watershed Management Group and Beverly Hills to comply with the MS4 Permit.	Regulatory	Los Angeles Regional Water Quality Control Board	Upon direction from the Los Angeles Regional Water Quality Control Board	Anticipated 2016 (Under review by LARWQCB)	Anticipated 2021 (Upon direction from LARWQCB)	Plan updates will be based upon the adaptive management process. The Ballona Creek Watershed Management Group (BC-WMG) will update the plan based upon the effectiveness of control measures and BMPs.
Stormwater	Coordinated Integrated Monitoring Plan (CIMP)	The process for collecting data to meet the goals and requirements of the Monitoring and Reporting Program (MRP) as part of the MS4 Permit. The CIMP provides information on sample collection and analysis methodologies. The CIMP is comprised of five required elements including: 1) Receiving Water Monitoring 2) Stormwater Outfall Monitoring 3) Non-stormwater (NSW) Outfall Monitoring 4) New Development/Redevelopment Effectiveness Tracking 5) Regional Studies and 6) Trash and Plastic Pellets Monitoring.	Regulatory	Los Angeles Regional Water Quality Control Board	Upon direction from the Los Angeles Regional Water Quality Control Board	Anticipated 2016 (Under review by LARWQCB)	Anticipated 2021 (Upon direction from LARWQCB)	The Ballona Creek Watershed Management Group (BC-WMG) can update the CIMP based upon the adaptive management process allowed by the MS4 permit. Changes in the plan will be dependent on data results, necessity to implement enhanced monitoring frequency, and changes to monitoring locations. Changes to the CIMP can be done annually if necessary.
Stormwater	Storm Drain System Master Plan	Assessment of capacity and condition of storm drain lines and catch basins in the City and management of infrastructure and storm drains.	Best Practice	n/a	n/a	1999	n/a	Not a priority at this time because the storm drain system has not changed significantly since the Plan was last adopted.
Sustainability	Beverly Hills Sustainable City Plan	Provides tool kit for City to use in part or in whole to address sustainability issues.	City Council Direction	n/a	n/a	2009	2017	Workplan item for FY 2016-17
Solid Waste	Zero Waste Plan	Identifies zero waste goals for the City and outlines a course and programs to help the City meet that goal.	Best Practice/City Council Direction	n/a	n/a	Never been completed	2016	Development underway
Streets	Pavement Management Plan	Helps the City to plan, budget, fund, design, construct, monitor, evaluate, maintain and rehabilitate the pavement network to provide the maximum benefits from the available funds. A pavement management plan/program provides a set of tools or methods that provide the optimum strategies for providing and maintaining pavements over a given time period.	Regulatory	LA County Metropolitan Transportation Authority	Every 3 years	2014	2016	Staff will meet with the Street & Sidewalk Improvements Ad Hoc Committee in the near future to review the Pavement Management Plan.

ATTACHMENT 3



CITY OF BEVERLY HILLS

PUBLIC WORKS SERVICES DEPARTMENT

MEMORANDUM

TO: PUBLIC WORKS COMMISSION

FROM: Trish Rhay, Assistant Director of Public Works Services
Vince Damasse, Water Resources Manager
David Hillyer, Water Quality Specialist

DATE: May 12, 2016

SUBJECT: Water Master Plan Unidentified Pipes and Water Quality

ATTACHMENTS: None

BACKGROUND

Historically, from 1914 to 1925, the City of Beverly Hills ('City') utilized standard steel black pipe. After 1925, the use of standard steel black pipe decreased and cast iron pipes were used more frequently instead. Starting in 1972, Chief City Water Inspector, Manny Gerber, specified the use of ductile iron pipe class 52 for the City's water system Capital Improvement Program (CIP) pipe replacements. This practice continues to this day.

CITY WATER STANDARDS

The City is proactive in its approach to maintaining a clean water supply. The City Water Division staff regularly collects, labels and preserves water samples for use in a standard analytical process which ensures the highest quality of water possible. Testing is performed daily to meet water quality standards from all regulatory agencies. This approach has been a long-standing practice and the City continues to provide our citizens the highest quality of potable drinking water available. The City will continue to ensure the quality by consistent standardized testing, now and into the future.

RESEARCH FINDINGS

According to the 2002 Black and Veatch (B & V) Water Master Plan, approximately 5.86 miles of pipelines out of a pipeline network of 170.9 miles (3.45%) are considered unidentified. During the years from 1986 to 2014, the City has aggressively replaced old standard steel pipe, cast iron pipe and any other non-standard pipes in the water distribution system. Therefore, approximately 1.1 miles out of 171 miles (0.64%) or less than 1% of water pipelines are unidentified at this time.

In addition, the City is in full compliance with the Lead and Copper Rule per EPA standards. This rule regulates and monitors safe lead levels in drinking water.

RECOMMENDATION

For the City's infrastructure, staff recommends no further action at this time. The City manages the distribution infrastructure through extensive water quality testing that is collected throughout

the entire system. The City has the ability to take immediate action based on any water quality results and will do so if water quality testing ever shows a change in conditions.

Service pipes from the City meter to the private property are owned and maintained by the property owner. Based on past testing, it is possible some properties could have older copper or galvanized pipes that contain lead products such as solder. Property owners who have concerns with plumbing pipeline materials used on their property may wish to have their water tested. The certified laboratory used by the City, Truesdail Laboratories, will deliver the sample bottle and come to the customer's home to collect and process a water sample for a fee of \$150. Truesdail Laboratories can be reached at (714) 730-6239 to set up an appointment. This contact information for scheduling water testing will be posted on the City's website.