



# City of Culver City

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## Staff Report

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**File #:** 20-259, **Version:** 1

**Item #:** C-9.

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**CC- (1) Adoption of a Resolution to Adopt the 2017 Updated Greater Los Angeles County Region Integrated Regional Water Management (IRWM) Plan; and (2) Adoption of a Resolution Authorizing the City Manager to Submit Grant Applications in the amount of \$850,000 from the State of California - Proposition 1 IRWM Grant Funds for the Mesmer Low Flow Diversion Project, PR-005**

**Meeting Date:** September 9, 2019

**Contact Person/Dept:** Lee Torres, Public Works Department

**Phone Number:** (310) 253 - 6457

**Fiscal Impact:** Yes ☒ No ☐

**General Fund:** Yes ☐ No ☒

**Public Hearing:** ☐ **Action Item:** ☐ **Attachments:** ☒

**Commission Action Required:** Yes ☐ No ☒ **Date:**

**Public Notification:** (E-Mail) Meetings and Agendas - City Council (09/04/19);

**Department Approval:** Charles D. Herbertson, Director of Public Works/City Engineer (08/29/19)

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### **RECOMMENDATION**

Staff recommends the City Council (1) adopt a Resolution approving the adoption of the 2017 Updated Greater Los Angeles County Region Integrated Regional Water Management (IRWM) Plan (Attachment 1); and (2) adopt a Resolution authorizing the City Manager to submit a grant application in the amount of \$850,000 from the State of California - Proposition 1 IRWM Grant Program Funds for the Mesmer Low Flow Diversion Project, PR-005 (Attachment 2).

### **BACKGROUND/DISCUSSION**

#### **IRWM**

The State of California Department of Water Resources (DWR) created the IRWM Program to encourage integrated, regional strategies for managing water resources and to provide funding for both planning and implementation of projects that support the management of water supplies, water quality, environmental interests, drought protection, flood protection, and reducing independence on imported water.

The Regional Water Management Group RWMG for the GLAC IRWM has amended the 2014 Updated GLAC IRWM Plan to address the provisions of the 2016 IRWM Guidelines.

Adopting the 2017 Updated GLAC IRWM Plan will enable Culver City to apply for future grant funding under various grant programs including Proposition 1 grant rounds. DWR has awarded the GLAC IRWM \$129M in grant funding to implement 71 regionally significant water resources management projects.

### Mesmer Low Diversion Project

On March 26, 2018, Council approved the professional services agreement for civil design for the Mesmer Low Flow Diversion Project (Project), PR-005.

The Public Works Department's Environmental Programs and Operations Division (PW-EPO) Staff is proposing a low flow diversion system that will divert dry weather run-off from Centinela Creek Channel into the Mesmer Pump Station where the run-off will be pumped into an existing sewer main for conveyance to City of Los Angeles' Hyperion Water Reclamation Plant (Hyperion) for treatment and recycling. The Mesmer Sewer Pump Station is located at 5586 Mesmer Avenue, Culver City, CA 90230 adjacent to the Centinela Creek Channel.

This required Project is one of three projects approved in the Time Schedule Order (TSO) to comply with the Ballona Creek Bacteria TMDL. The Project is jointly funded by Cities of Los Angeles, Beverly Hills, Culver City, Inglewood, and West Hollywood, the County of Los Angeles and Los Angeles County Flood Control District. The following three regional projects collectively comply with the final water quality based effluent limitations during dry weather as specified by the Ballona Creek Bacteria TMDL:

1. Low Flow Treatment Facility (LFTF) #1 Project at Ballona Creek;
2. Low Flow Treatment Facility (LFTF) #2 Project at Sepulveda Channel; and
3. **Mesmer Low Flow Diversion Project at Centinela Creek.**

Culver City is taking the lead in managing both design and construction of the Mesmer Low Flow Diversion Project with City of LA managing the LFTF #1 & #2 Projects.

### Design

Mesmer Low Flow Diversion (LFD) System Project is designed to divert dry weather run-off from Centinela Creek Channel into a proposed inlet constructed along the channel. The inlet will be connected to a new 12-inch diameter pipe that will convey the run-off into a new receiving wet well adjacent to the Mesmer Pump Station. From the receiving wet well, the run-off will be pumped and sent through a new 6-inch diameter force main that will take the run-off and discharge it into the existing sanitary sewer wet well. Both the sewer and dry weather run-off collected in the existing sanitary wet well will be pumped to the sanitary force main for conveyance to Hyperion for treatment.

The project is currently 75% designed and is currently in the process of U.S. Army Corps of

Engineers and Los Angeles County Flood Control District permitting. Its anticipated that all the permits required will be secured by March, 2020.

### Grant Funds

Staff is proposing to apply for Proposition 1, Round 1 IRWM Grant funding in the amount of \$850,000 for the Mesmer Low Flow Diversion (LFD) System Project. Staff will also submit an application for regional project funding for LA County Measure W Funds for the balance of the project cost in the approximate amount of \$880,000.

### FISCAL ANALYSIS

<b>Estimated Project Expenses</b>	
Design – (CWE - Encumbered)	\$120,805
Estimated Construction Cost	\$1,300,000
Estimated Construction Engineering	\$300,000
Estimated Geotech. Construction Svcs (Observation & Testing)	\$125,000
<b>Total Estimated Project Expenses</b>	<b>\$1,850,000</b>

<b>Proposed Project Budget</b>	
Mesmer CIP (43480000.730100.PR005)	\$180,000
Prop 1 IRWM Grant	\$850,000
Measure W	\$880,000
<b>Proposed Project Budget</b>	<b>\$1,850,000</b>

The Measure CW funds used for Design will be cost shared between Cities of Los Angeles, Beverly

Hills, Culver City, Inglewood, the County of Los Angeles and Los Angeles County Flood Control District and shall be based on percentage contribution to the overall drainage areas upstream of the Project as depicted below:

<b>Drainage Area Upstream of Project</b>		
	<b>Drainage Area (acre)</b>	<b>Percent</b>
County of Los Angeles	1810	29%
Culver City	954	15%
City of Inglewood	1563	25%
City of Los Angeles	1961	31%
Total Drainage Area	6288	100%

## **ATTACHMENTS**

1. 2019-09-09\_ATT\_Resolution Adopting GLAC IRWMP
2. 2019-09-09\_ATT\_Resolution Authorizing IRWM Grant Application
3. 2019-09-09\_ATT\_Location Map

## **MOTION**

That the City Council:

1. Adopt a Resolution Approving the Adoption of the 2017 Updated Greater Los Angeles County Region Integrated Regional Water Management (IRWM) Plan; and
2. Adopt a Resolution Authorizing the City Manager to Submit a Grant Application in the Amount of \$850,000 from the State of California - Proposition 1 IRWM Grant Program Funds for the Mesmer Low Flow Diversion Project, PR-005.