



City of Orange

Legislation Text

File #: 21-0581, Version: 1

TO: Honorable Mayor and Members of the City Council

THRU: Thomas R. Hatch, Interim City Manager

FROM: Christopher Cash, Public Works Director

1. SUBJECT

Addendum 3D to the existing Water Conservation Participation Agreement with the Municipal Water District of Orange County (MWDOC) for implementation of the Dedicated Irrigation Meters Measurement Program.

2. SUMMARY

The Municipal Water District of Orange County (MWDOC) has introduced Addendum 3D: Dedicated Irrigation Meters Measurement Program to the 2015 Water Conservation Participation Agreement. The Addendum provides assistance to participating agencies to comply with Assembly Bill 1668 and Senate Bill 606 (Conservation Framework) requirements for urban water suppliers. The program will help to identify and measure landscaped areas associated with dedicated irrigation meters to calculate their Urban Water Use Objective. A MWDOC-led, regional approach has increased cost effectiveness for agencies through economies of scale and minimizing administrative burdens.

3. RECOMMENDED ACTION

1. Approve Addendum 3D to the existing Water Conservation Participation Agreement with Municipal Water District of Orange County (MWDOC) for implementation of the Dedicated Irrigation Meters Measurement Program and authorize the Public Works Director to execute on behalf of the City.
2. Authorize the appropriation of \$95,444.88 from the Water Fund unreserved fund balance to expenditure account number 600.8011.53441.00000, Water Fund - Water Conservation Items.

4. FISCAL IMPACT

The total expenditure for this project will be funded in the Water Conservation Items through Water Fund (600).

5. STRATEGIC PLAN GOALS

Goal 1: Provide for a safe community

- b: Provide and maintain infrastructure necessary to ensure the safety of the public.

Goal 4: Provide outstanding public service

- b: Provide facilities and services to meet customer expectations.

6. DISCUSSION AND BACKGROUND

Assembly Bill (AB) 1668 and Senate Bill (SB) 606, also known as The Conservation Framework, signed by the Governor in 2018, requires each Urban Water Supplier to calculate and report their Urban Water Use Objective by January 1, 2024, and to stay within their calculated annual water budget.

The Urban Water Use Objective is an estimate of the aggregate efficient water use based on indoor residential use, outdoor residential use, outdoor use with dedicated irrigation meters, distribution system water losses, approved variances, and a potable reuse bonus.

To achieve this goal by the program deadline, and to accomplish it in a cost effective way, Municipal Water District of Orange County (MWDOC) has entered into an agreement with Quantum Spatial, Inc. (Quantum) to assist participant agencies to provide landscape measurements associated with dedicated irrigation meters. Quantum will utilize a combination of the three applicable measurement methods: field mapping, remotely sensed mapping, and a statistical mapping approach.

In addition, MWDOC secured funding from Metropolitan Water District (MET) and Santa Ana Watershed Project Authority (SAWPA) to help with lowering the cost per customer. To join this regional program, participating agencies are asked to sign Addendum 3D to the existing 10-year Water Conservation Participation Agreement (which was first established in 2015 and included several other critical water conservation programs).

Based on the number of the City’s existing services, Table 1 below summarizes the number of customers and meters that are required to be measured to meet the regulation.

		MWDOC Cost Share		Participant Agency Cost Share		
Methodology	Cost per Customer*	MET Funding	SAWPA Funding PER METER**	Quantity of Agency Customers	Quantity of Agency Meters	Not to Exceed Funding Limit For Fiscal Year 2021-2022
Remote Measurement	\$258.33	\$85.00	\$10.50	286	425	\$45,109.88
Field Measurement	\$465.52	\$85.00	\$10.50	72	97	\$26,378.94
Statistical Measurement	\$131.49	\$65.75	\$10.50	19	28	\$955.06
				377	550	\$72,443.88

Besides the measurement cost listed above, participating agencies have an option to purchase the Waterview CII Database Viewer Platform, which will provide the water efficiency budget calculations for customers included in this program as recommended by the Department of Water Resources and State Water Resource Control Board. The purchase cost for the Platform is summarized in the following Table 2.

Category	Cost	Participant Agency Enrolling in Optional Platform (x)	Number of Customers	Not to Exceed Funding Limit For Fiscal Year 2021-2022
Flat Fee Per Retail Water Agency	\$10,560	Yes		\$ 23,001.00
Cost per customer (per water agency)	\$33/customer		377	Flat Fee + (\$33x No. of Customers)

The total cost for the City to participate in Addendum 3D to the existing Water Conservation Participation Agreement is \$95,444.88.

7. ATTACHMENTS

- Addendum 3D to Water Conservation Participation Agreement