



CITY OF ANGELS PO Box 667, 200 Monte Verda St. Suite B, Angels Camp, CA 95222 P: (209) 736-2181

DATE: August 5, 2025

TO: City Council

FROM: Pam Caronongan, City Administrator and Dave Richards, Water Engineer

RE: ADOPT RESOLUTION NO. 25-56, THEREBY APPROVING CONSTRUCTION CHANGE ORDER NO. 002 FOR THE REMOVAL AND REPLACEMENT OF 20 EXISTING WATER METERS WITH CITY-FURNISH AMR METERS (ALSO KNOWN AS SMART WATER METERS) IN AN AMOUNT NOT TO EXCEED \$29,665.27 – A PORTION OF A GREATER PROJECT CALLED THE MARK TWAIN WATER DISTRIBUTIONS SYSTEM IMPROVEMENTS PROJECT

RECOMMENDATION:

Staff recommends for the City Council to consider and adopt **Resolution No. 25.-56**, thereby approving Construction Change Order No. 002 for the removal and replacement of 20 existing water meters with City-furnished SMART water meters in the amount of \$29,665.27 – a portion of a greater project called the Mark Twain Water Distributions System Improvements Project.

BACKGROUND:

To improve accuracy in reading water meters while reducing staff time, the City has purchased SMART meters from Badger. SMART meters have been delivered to the City and are ready for installation. Njirich & Sons (N/S) is completing water line construction as part of the Mark Twain Water Distribution System Improvements Project including connection of water services to the new water mainlines. Because N/S are mobilized currently onsite and available to install the City-furnished meters as part of the connection of water services to the water mainlines, the City would likely benefit from a significant savings in installation cost (estimated at 20-25%) as compared to procuring an installation contractor at a later date. A total of 20 residential SMART water meters would be installed under this change order.

DISCUSSION:

The Mark Twain Water Distribution System Improvements Project was awarded to N/S for a total amount of \$787,955. The scope of work required for installation of City-furnished SMART meters has been defined by City staff as follows:

- Level 1 – remove existing meter and replace with new meter, no other work required.
- Level 2 – excavate within meter box to expose existing meter, remove existing meter and replace with new meter, no other work required.
- Level 3 – excavate within meter box to expose existing meter, remove existing meter,



- modify piping to accommodate new meter, install new meter, no other work required.
- Level 4 – Complete replacement of meter box, appurtenances, and meter.

Based on the definition above, the level of effort for the 20 meters recommended for installation as part of the Mark Twain Water Distribution System Improvements Project is summarized below:

- Level 1 – 6
- Level 2 – 6
- Level 3 – 5
- Level 4 – 3

A cost breakdown for the recommended change order is included in the proposal from N/S.

FISCAL IMPACT:

Replacement of manual-read water meters with SMART meters including installation is funded through an approved water capital improvement project.

ENVIRONMENTAL CONSIDERATION

The above-mentioned action is exempt from California Environmental Quality Act (CEQA) review via CEQA Guidelines 15061(b)(3) since said action is not a “project,” and that the activity does not cause a direct change, indirect change, or significant effect on the environment.

ATTACHMENTS:

1. Draft Resolution
2. Construction Change Order No. 002 signed by City Water/Wastewater Engineer and N/S.

