



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: November 7, 2018

Agenda Item 6-V

Approvals:

City Manager MM

Dept. Head DR

Attorney _____

Finance [Signature]

Department: Utilities
Prepared By: David Rebensdorf, Utilities Director DR

Subject: ***APPROVAL OF A PROFESSIONAL SERVICES AGREEMENT WITH TRUSSELL TECHNOLOGIES INC. FOR A WATER RECLAMATION PLANT (WRP) EFFICIENCY STUDY, PROJECT NO. 39202.***

Fiscal Impact: Yes. There is adequate funding for the proposed \$204,034 expenditure, including a \$20,000 contingency from the project budget of \$250,000 within the Sewer Connection Fee Fund.

Summary: Staff recommends the City Council authorize the Mayor to sign a Professional Services Agreement with Trussell Technologies, Inc. to evaluate the treatment process and hydraulics at the WRP.

Discussion: The City's WRP was designed in the late 1980's to accommodate average liquid flows of approximately seven million gallons per day which was based on water use at that time and projected growth within the City. Average liquid flows peaked at the WRP at nearly five million gallons per day before dropping to approximately three million gallons per day due to water conservation. While the liquid flows decreased, the amount of solids produced by customers steadily increased to approximately 90% of the WRP solid removal capacity. Due to the significant changes in wastewater characteristics compared to the design of the WRP, an engineering study was budgeted this fiscal year to evaluate the treatment process and to improve secondary water quality which will increase recycled water production. The study will include review of the WRP historical data, sampling of treatment processes, review of hydraulics, modeling of processes and as-needed services during implementation of recommendations.

Staff prepared a request for proposal, which was sent to seven engineering firms and four proposals were received varying in cost from \$180,000 to \$250,000. Staff interviewed all four firms and recommends Trussell Technologies, Inc. to conduct the study. Services will be completed on a time and materials basis based on the agreed hourly rates for the scope of work up to the not to exceed amount of \$184,034. Staff contacted Trussell's references in San Diego County for similar evaluations and they received excellent reviews. Due to the potential for additional evaluations, water quality analysis and regulatory permit review, staff is recommending the City Manager be authorized to approve amendments to the Agreement up to a maximum of \$20,000.

Recommended

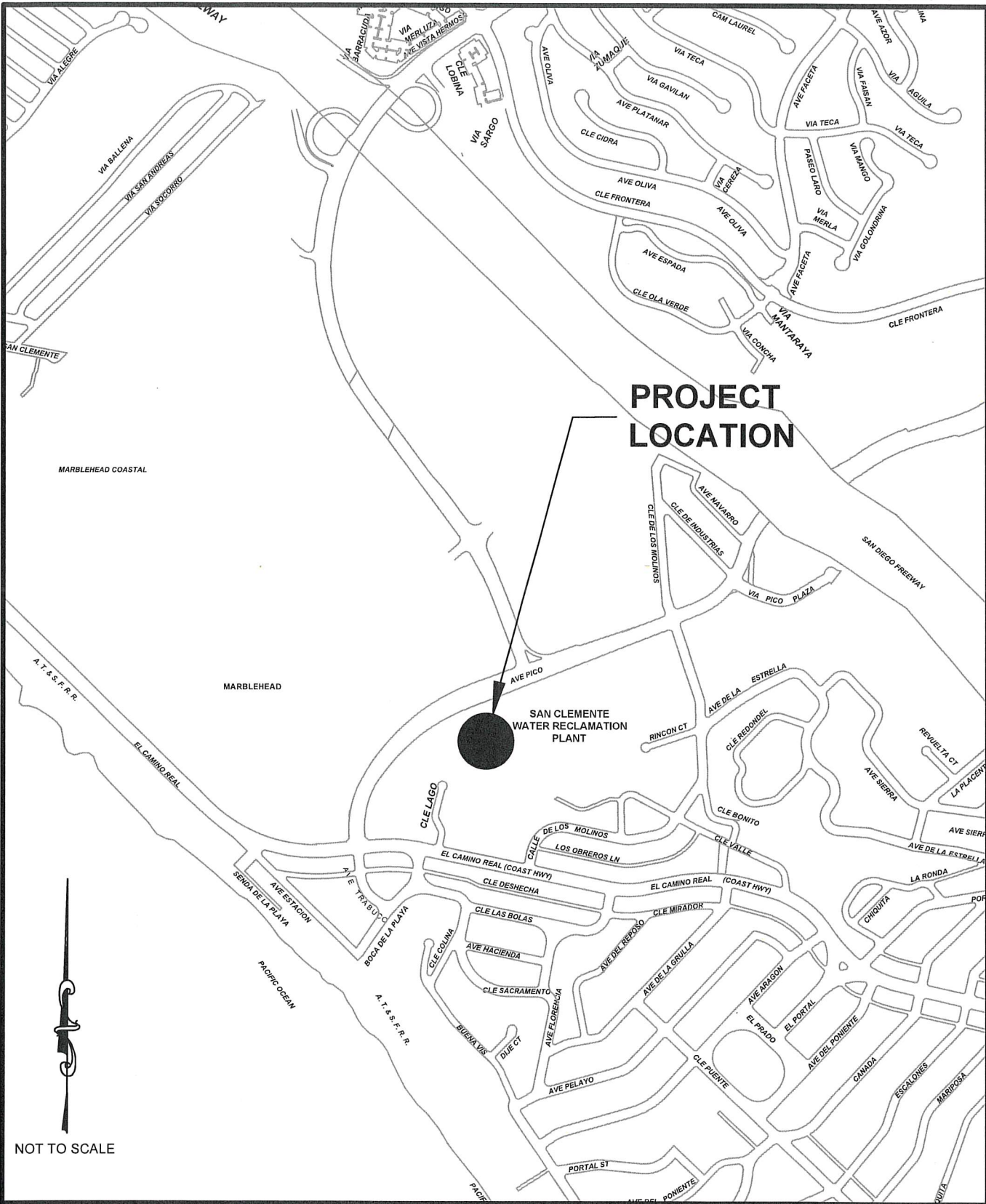
Action: STAFF RECOMMENDS THAT the City Council:

1. Approve, and authorize the Mayor to execute, Contract _____ by and between the City of San Clemente and Trussell Technologies Inc. providing engineering services for the Water Reclamation Plant Efficiency Study, Project No. 39202 in the amount not to exceed \$184,034; and
2. Authorize the City Manager to approve amendments to the contract up to a maximum of \$20,000.

Attachments: 1. Location Map.
2. The Professional Services Agreement is on file with the City Clerk's Office.

Notification: None.

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**PROJECT
LOCATION**

**SAN CLEMENTE
WATER RECLAMATION
PLANT**

MARBLEHEAD COASTAL

MARBLEHEAD



NOT TO SCALE

S:\ca\public\GIMS\GIS\Users Files\Jake Ohana\CAD\Location Plan (Admin Report).dwg Thursday, September 20, 2018 11:25:08 AM



City of San Clemente

380 Avenida Pico
San Clemente, CA 92673

LOCATION MAP

WRP Efficiency Study