

**AMENDMENT TO THE
PROFESSIONAL SERVICES AGREEMENT FOR
SEWER, WATER AND RECYCLED WATER
MASTERPLANS AND CAPACITY FEE STUDY
BETWEEN
MARINA COAST WATER DISTRICT
AND
AKEL ENGINEERING GROUP**

AMENDMENT NO. 2

The Professional Services Agreement between the Marina Coast Water District (DISTRICT) and Akel Engineering Group (CONSULTANT), for The Sewer, Water and Recycled Water Master Plans (Master Plans) and Capacity Fee Study dated December 5, 2016 (AGREEMENT), is hereby amended.

The undersigned CONSULTANT agrees to furnish the following as a modification to the original Scope:

The scope and fee for this amendment is incorporated into the contract document as Attachment A1. The scope generally may be described as develop and update existing and future land uses based on comments received and allowable growth projections for the Fort Ord Reuse Authority (FORA) Base Reuse Plan capital improvement program; Equivalent Dwelling Unit Analysis and meetings with the FORA Water and Wastewater Oversight Committee; Update Water and Sewer System Evaluations for recommended improvements in the Capital Improvement Program. The basis of payment for the work conducted under this amendment is an hourly charge rate multiplied by the actual hours directly chargeable to the project with a not-to-exceed value for the amendment of \$52,059.00.

With this amendment, the contract values and completion date are understood to be:

Original Contract Value: \$ 463,715.00

Amendment No.1 Value: \$ 14,694.00

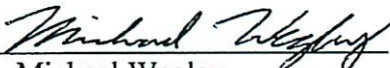
Amendment No. 2 Value: \$ 52,059.00

New Contract Value w/ Amendment No. 2: \$ 530,468.00

New Completion Date: February 28, 2019 (approx.)

All other articles of the AGREEMENT remain the same.

DISTRICT and CONSULTANT have caused the Agreement to be amended by representatives duly authorized to act, all as of the effective date of _____.

Prepared by: 
Michael Wegley
District Engineer

Date: September 27, 2018

Accepted: Marina Coast Water District

CONSULTANT
Akel Engineering Group

By _____
Keith Van Der Maaten

By 

Title General Manager

Title PRESIDENT

ATTACHMENT A1

**Akel Engineering Group
Scope of Work and Fee Estimate
For Amendment 2**

Marina Coast Water District
Water, Sewer, Recycled Water Master Plans
Change Order
Estimated Fee
(September 26, 2018)

PRELIMINARY

Task No.	Task Description	Scope of Work	Water and Sewer Master Plan Elements Impacted	Hours							Costs			Status
				Toy Akel	Senior Engineer	Associate Engineer	Assistant Engineer	GIS Technician	Secretarial	Labor Costs	Other	Total Cost		
Change Order 3 - Master Plan Update														
Task 1 Land Use Update														
Task 1.1	Existing Land Use Update	This task includes updating the existing service area land use based on comments received from District staff. Tables and figures will be submitted to District staff for review and approval.	Existing Land Use, Existing Unit Factor Analysis	1	1	4	8	2			\$2,095		\$2,095	Pending Approval
Task 1.2	Future Land Use Update	This task consists of updating the future service area land use based on comments received from District and FORA staff for the buildout of the District service area. Tables and figures will be submitted to District staff for review and approval.	Future Land Use, Future Demands and Flows, Recommended Improvements, Capital Improvement Program	1	4	8	12	2			\$3,676		\$3,676	Pending Approval
Task 1.3	Fort Ord Growth Alternative	This task consists of quantifying the potential growth of the Fort Ord area based on the most recent Fort Ord Reuse Authority (FORA) CIP. The future growth for the former Fort Ord will be limited to the allowable growth projections prepared by FORA for residential and non-residential development. Tables and figures documenting the growth assumptions will be submitted to District staff for review and approval before incorporation into the master plans.	Future Land Use, Future Demands and Flows, Recommended Improvements, Capital Improvement Program	4	8	12	16	4			\$6,200		\$6,200	Pending Approval
Subtotal - Task 1				6	13	24	36	8			\$11,971		\$11,971	
Task 2 Equivalent Dwelling Unit (EDU) Analysis														
Task 2.1	EDU Analysis	This task consists of providing alternatives analysis in support of the Equivalent Dwelling Unit structure for the capacity fee program, including a fee and fee structure survey and an additional meeting in support of the EDU fee structure, and will be completed by Bartle Wells Associates.	Capital Improvement Program								\$0	Bartle Wells \$11,000	\$11,000	Pending Approval
Task 2.2	Management and Meetings	This task consists of task management and a meeting with the FORA WWOC.	Capital Improvement Program								\$0		\$0	Pending Approval
Subtotal - Task 2				0	0	0	0	0			\$0	\$11,000	\$11,000	
Task 3 Update Water System Evaluation														
Task 3.1	Update Future Water Demand	This task consists of updating the future water demands based on revised future land use. Demands will be estimated for both the service area buildout and the limited Fort Ord growth alternatives. This task also includes incorporating the updated demands into the water system hydraulic model. Tables will be prepared documenting the future demands.	Recommended Improvements, Capital Improvement Program	2	2	6	4	2			\$2,298		\$2,298	Pending Approval
Task 3.2	Future System Evaluation	This task consists of a revised future system evaluation incorporating the updated water demands, for both the service area buildout and limited growth alternatives. This evaluation assumes the construction of new wells within the existing service area. Tables and figures will be prepared documenting the recommended improvements to service existing and future users.	Recommended Improvements, Capital Improvement Program	4	8	24	12	4			\$7,564		\$7,564	Pending Approval
Task 3.3	Future System Evaluation With Eastern Well Field	This task consists of updating the future system evaluation based on the updated water demands for the service area buildout growth alternative and assumes the Eastern Well Field will be developed. Tables and figures will be prepared documenting the recommended improvements to service existing and future users.	Recommended Improvements, Capital Improvement Program	2	4	8	6	2			\$3,174		\$3,174	Pending Approval

Marina Coast Water District
 Water, Sewer, Recycled Water Master Plans
 Change Order
Estimated Fee
 (September 26, 2018)

PRELIMINARY

Task No.	Task Description	Scope of Work	Water and Sewer Master Plan Elements Impacted	Hours						Costs			Status	
				Tony Akel	Senior Engineer	Associate Engineer	Assistant Engineer	GIS Technician	Secretarial	Labor Costs	Other	Total Cost		
Task 3.4	Update Capital Improvement Program	This task includes updating the capital improvement program and capacity fees based on the results of the future system evaluation for the limited growth alternative. Tables and figures will be prepared documenting the capital improvement program.	Recommended Improvements, Capital Improvement Program	2	6	12	6	8			\$4,748		\$4,748	Pending Approval
Subtotal - Task 3				10	20	50	28	16			\$17,784		\$17,784	
Task 4	Update Sewer System Evaluation													
Task 4.1	Update Future Sewer Flow	This task consists of updating the future sewer flows based on revised future land use. Flows will be estimated for both the service area buildout and the limited Ford Ord growth alternatives. This task also includes incorporating the updated flows into the sewer system hydraulic model. Tables will be prepared documenting the future flows.	Recommended Improvements, Capital Improvement Program	2	2	6	4	2			\$2,298		\$2,298	Pending Approval
Task 4.2	Future System Evaluation	This task consists of a future system evaluation incorporating the updated sewer flows for both the service area buildout and limited growth alternatives. Tables and figures will be prepared documenting the recommended improvements.	Recommended Improvements, Capital Improvement Program	2	6	10	8	4			\$4,258		\$4,258	Pending Approval
Task 4.3	Update Capital Improvement Program	This task includes updating the capital improvement program and capacity fees based on the results of the future system evaluation for the limited growth alternative. Tables and figures will be prepared documenting the capital improvement program.	Capital Improvement Program	2	6	12	6	8			\$4,748		\$4,748	Pending Approval
Subtotal - Task 4				6	14	28	18	14			\$11,304		\$11,304	
Totals														
			Task 1, 2, 3, & 4 Total	22	47	102	82	38	0		\$41,059	\$11,000	\$52,059	

AKEL
ENGINEERING GROUP, INC.

Project Schedule

Water, Sewer, and Recycled Water Master Plans and Capacity Fees

Last Updated: September 14, 2018

Task No.	2018				2019		
	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Change Order 3 - Master Plan Update							
1 CO3 Task 1	Land Use Update						
1.1	Existing Land Use Update						
1.2	Future Land Use Update						
1.3	Fort Ord Growth Alternative						
2 CO3 Task 2	Equivalent Dwelling Unit Analysis						
2.1	Preliminary EDU Analysis						
2.2	EDU Analysis Workshop						
2.3	Final EDU Analysis						
3 CO3 Task 3	Update Water System Evaluation						
3.1	Update Water Demand						
3.2	Future System Evaluation						
3.3	Future System Evaluation with Eastern Well Field						
3.4	Update Capital Improvement Program						
4 CO3 Task 4	Update Sewer System Evaluation						
4.1	Update Future Sewer Flow						
4.2	Future System Evaluation						
4.3	Update Capital Improvement Program						
Remaining Master Plan Tasks							
MP Task 6.3	Recycled Water System						
MP Task 8	Provide separate planning evals for the Marina and Ord						
MP Task 9	Financial Action Plan						
MP Task 10	Prepare Capacity Fees						
MP Task 11	Prepare Master Plans for Water, Sewer, and Recycled Water						
MP Task 12	Prepare Public Notices						
MP Task 13	Present Master Plans to Relevant Committees						
MP Task 14	Present Master Plans to MCWD Board of Directors						

Legend

■ - Scheduled Tasks

■ - Review/Submittal Tasks