

Professional Services Agreement with
EKI Environment & Water, Inc. for
2020 Urban Water Management Plan
Water Demand Analysis and
Water Conservation Measures Update



OUR FUTURE IN EVERY DRÖP

Board of Public Utilities Meeting
Colin Close, Senior Water Resources Planner
December 19, 2019

Presentation outline



CALIFORNIA
URBAN WATER
MANAGEMENT
PLANNING ACT



DEVELOPMENT
OF UWMP



WATER DEMAND
ANALYSIS &
CONSERVATION
MEASURES UPDATE



LETTER
AGREEMENT
FOR COST SPLIT



RECOMMENDATION



CA Urban Water Management Planning Act

Who: Urban water retailers serving at least 3,000 connections or 3,000 acre-feet per year

What: Assess adequacy and reliability water supplies to meet current and future demands (20 yrs) for normal and dry years

When: Due every 5 years (ending in “1” and “6”)

Where: Submit to CA Dept of Water Resources

Why: Ensure long-term water supply reliability.
Also required for grants & drought assistance.



CA Urban Water Management Planning Act

Core Elements of UWMP

- System, facilities, and service area
- Water use: historic, current, projected
- Conservation targets and compliance
- Water supply portfolio
- Water supply reliability
- Water shortage and contingency planning



CA Urban Water Management Planning Act

New requirements for 2020

- ✓ Demonstrate compliance with State's new water loss standards
- ✓ Assess resiliency/vulnerability for drought lasting five years
- ✓ Align Water Shortage Contingency Plan with State's standardized stages
- ✓ Submit Supplement in 2024
 - Description of how City will achieve new water use objective by 2027

Development of UWMP

A green watering can icon with a circular handle and a spout, with three small green droplets falling from the spout.

Guided by General Plan Policy PSF-F-6

- Evaluate the City's long-term water supply strategies, including
 - ✓ development of new sources of water supply,
 - ✓ improved water conservation and re-use, and
 - ✓ implementation of appropriate growth control measures if necessary.

Development of UWMP

A green watering can icon with three small green droplets falling from its spout, positioned to the left of the text 'of UWMP'.

Team Effort

- Water Supply Planning
- Water Use Efficiency
- Energy & Sustainability
- Consultant

Development of UWMP



Regional approach for analysis and update

Successful in 2010 and 2015

- 9 Water Contractors
 - Santa Rosa, Cotati, Rohnert Park, Petaluma, Sonoma, Windsor, Marin Municipal WD, North Marin WD, Valley of the Moon WD
- 1 consultant
 - Will use a consistent methodology
 - Santa Rosa will be lead agency
 - Cost will be split among Water Contractors



Water Demand Analysis and Conservation Measures Update

Scope of Work

- Water demand analysis for each agency
 - Historic, current, and future (to 2045)
 - Normal, single dry year, and 5-year drought
- Water conservation measures update
 - Regional measures
 - Agency programs (water savings & cost)
 - Passive savings from plumbing codes
- Individual reports for each agency



Water Demand Analysis and Conservation Measures Update

Competitive process

- Request For Proposals advertised Aug 5-30
- More than 40 qualified vendors notified
- Four (4) proposals received

Review Panel

- Five representatives
 - Santa Rosa, Windsor, Petaluma, Marin Municipal Water District, and North Marin Water District
- Unanimously ranked EKI Environment & Water Inc. as the top firm



Water Demand Analysis and Conservation Measures Update

Professional Services Agreement (PSA)

- Santa Rosa to administer contract with EKI
- Not to exceed \$249,529 (includes 10% contingency)
- Schedule: Jan-Dec 2020 (contract ends March 2021)

BPU Contract Review Subcommittee - Nov 6

- Unanimously recommended that the BPU
 1. Award PSA with EKI
 2. Authorize Board Chair to sign PSA
 3. Authorize Director of Santa Rosa Water to sign Letter Agreement for cost split



Letter Agreement for Cost Split

Cost share methodology

- 50% split equally between 9 agencies
- 50% prorated based on service connections
- Flat rate for optional upgrade
- City share: \$52,557 (with contingency)

Payment schedule

- Agencies pay half at start of contract
- Balance due upon completion of contract

Technical Advisory Committee – Nov 4, 2019

- Reviewed and approved Letter Agreement



Letter Agreement for Cost Split

Contractor	No. Services (July 2019)	Base Rpt 50% Share Equal Basis	Base Rpt 50% Share Prorated	Base Report Only	Optional Upgrade	Total	10% Cont	Total with 10% Cont.
Santa Rosa	52,635	\$ 11,262	\$ 28,476	\$ 39,738	\$ 8,041	\$ 47,779	\$ 4,778	\$ 52,557
Rohnert Park	9,279	\$ 11,262	\$ 5,020	\$ 16,282		\$ 16,282	\$ 1,628	\$ 17,910
Cotati	2,627	\$ 11,262	\$ 1,421	\$ 12,684		\$ 12,684	\$ 1,268	\$ 13,952
VOMWD	7,183	\$ 11,262	\$ 3,886	\$ 15,148		\$ 15,148	\$ 1,515	\$ 16,663
Sonoma	4,434	\$ 11,262	\$ 2,399	\$ 13,661		\$ 13,661	\$ 1,366	\$ 15,027
Petaluma	20,370	\$ 11,262	\$ 11,020	\$ 22,283		\$ 22,283	\$ 2,228	\$ 24,511
MMWD	61,956	\$ 11,262	\$ 33,518	\$ 44,781	\$ 8,041	\$ 52,822	\$ 5,282	\$ 58,104
NMWD	19,645	\$ 11,262	\$ 10,628	\$ 21,890	\$ 8,041	\$ 29,931	\$ 2,993	\$ 32,924
Windsor	9,229	\$ 11,262	\$ 4,993	\$ 16,256		\$ 16,256	\$ 1,626	\$ 17,882
Total	187,358	\$ 101,362	\$ 101,362	\$ 202,723	\$ 24,122	\$ 226,845	\$ 22,684	\$ 249,529

Recommendation



It is recommended by the Contract Review Subcommittee and Water Department that the Board of Public Utilities, by motion,

1. Award a Professional Service Agreement (PSA) with EKI Environment & Water, Inc. for a not to exceed amount of \$249,529 for the 2020 Urban Water Management Plan Water Demand Analysis and Water Conservation Measures Update,
2. Authorize the Board Chair to sign the PSA, and
3. Authorize the Director of Santa Rosa Water to sign a Letter Agreement for cost split among the Cities of Santa Rosa, Cotati, Petaluma, Rohnert Park, Sonoma, the Town of Windsor, and the Water Districts of Marin Municipal, North Marin, and Valley of the Moon.

QUESTIONS?