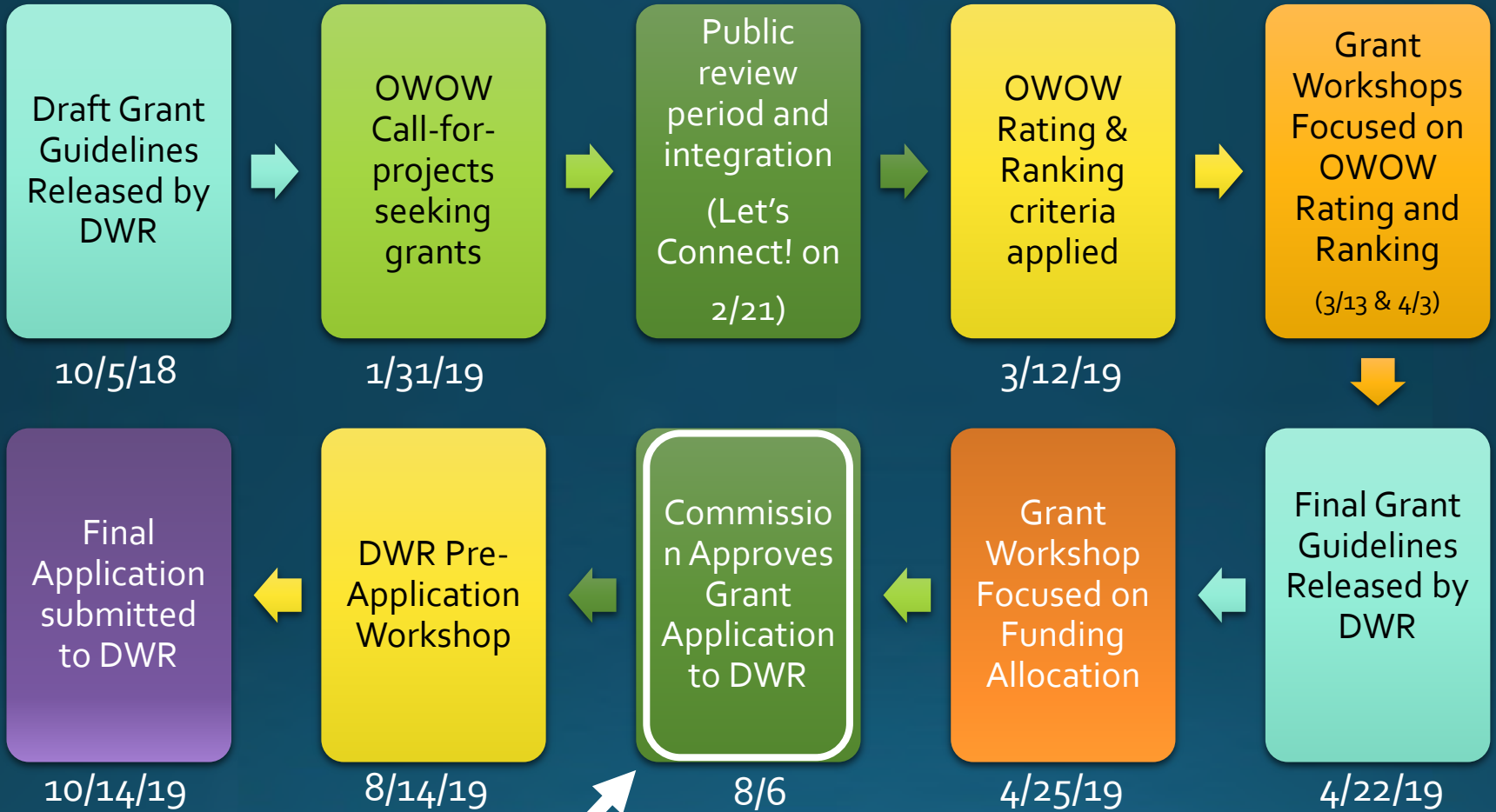


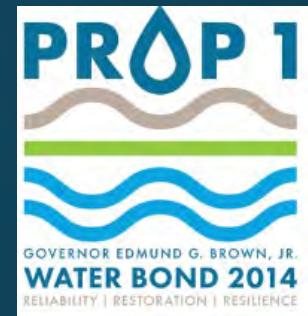
North Orange County Stakeholder Group IRWM Portfolio

SAWPA Commission
August 6, 2019





We are here



Funding Allocation

Funding Area	Round 1 General Grant	Round 1 DAC Grant	Round 2 General Grant	Round 2 DAC Grant
Santa Ana	\$21,925,000	\$2,205,000	\$21,925,000	\$4,095,000
	50%	35%	50%	65%

- All proposals must:
 - Respond to climate change, and
 - Contribute to regional water self-reliance.
- All projects must
 - Address the most critical needs of the IRWM region
 - Be consistent with Statewide Priorities
 - Have an expected useful life
 - Have CEQA completed and permits necessary to begin construction acquired within 12 months of final grant award

SAWPA Project Portfolio – Prop 1 IRWM Round 1

- SAWPA Commission approved Cooperative Agreement to allocate Prop 1 IRWM funding to North OC on May 21, 2019
- Agreement has been approved by OCSD and OCWD Boards and pending OC Board of Supervisors approval in August 2019.
- North OC will withdraw DWR application as separate IRWM region upon agreement execution
- SAWPA approves suite of eight projects that includes upper watershed, watershed wide and DAC projects on June 4, 2019
- North OC Stakeholders commenced a Call for Projects in May 2019 and held rating and ranking project workshops in June 2019



Prop 1 IRWM Funding Allocation Per the MOU

Funding Area	Round 1 General Grant	Round 1 DAC Grant	Round 2 General Grant	Round 2 DAC Grant
Santa Ana	\$21,925,000	\$2,205,000	\$21,925,000	\$4,095,000
	50%	35%	50%	65%



Sub-Region	Allocation	Round 1 General Grant
North OC	30%	\$6,248,625
Upper Watershed	60%	\$12,497,250
Watershed-wide	10%	\$2,082,875
Total	100%	\$21,925,000

North Orange County Project Portfolio

- On June 26, North OC Stakeholders agreed to recommend the following projects be submitted to OWOW for Prop 1 IRWM Round 1 grant funding
- If supported, these will be submitted to DWR as part of their application process

Project Proponent	Project Name	Grant Funding Allocation
Orange County Water District	Groundwater Replenishment System Final Expansion	\$3,589,553
City of Santa Ana	Raitt & Myrtle Park	\$2,359,072
OC Coastkeeper	OC SmartScape	\$300,000
	Total	\$6,248,625

Groundwater Replenishment System Expansion

- Provides a new local water supply by expanding GWRS plant to recycle additional wastewater
- Reduces salt loading to groundwater
- Supplies water to a saltwater intrusion barrier and to Burris Basin to keep water at levels to protect bird habitat
- Expands education tour program to DAC communities



Raitt & Myrtle Park

- Construction of a new park on vacant City-owned lot
- Captures and infiltrates stormwater in a TMDL watershed
- Provides recreational benefits to surrounding DAC communities
- Park will include drought-tolerant landscaping and educational signage



OC SmartScape



- Provides water conservation education and on-site landscape assistance for residents and businesses in DAC communities
- Program includes direct community outreach including bilingual workshops, community events, site visits, and a telephone hotline



Prop 1 Round 1 Projects

IRWM Solicitation	Project	Project Lead	Grant Award
OWOW	Replenish Big Bear	Big Bear Area Regional Wastewater Agency	\$4,563,338
	Evans Lake Tributary Restoration and Camp Evans Recreation	San Bernardino Valley Municipal Water District	\$2,000,000
	Well 30 Wellhead Treatment Project	Monte Vista Water District	\$3,431,225
	Regional Comprehensive Landscape Rebate Program	Project Partners*	\$2,767,344
	Physical Harvesting of Algal Biomass in Lake Elsinore – Pilot Program	City of Lake Elsinore	\$297,000
	Santa Ana Mountains Watershed Protection Project	Cleveland National Forest	\$497,998
	Enhancements to Watershed-Wide Water Budget Decision Support Tool	Santa Ana Watershed Project Authority	\$500,000
	Joint IEUA-JCSD Regional Water Recycling Program	Inland Empire Utilities Agency	\$2,617,971
North OC	Groundwater Replenishment System Final Expansion	Orange County Water District	\$3,589,553
	Raitt & Myrtle Park	City of Santa Ana	\$2,359,072
	OC SmartScape	Orange County Coastkeeper	\$300,000
N/A	Grant Management (5% of Total Grant Award)	Santa Ana Watershed Project Authority	\$1,206,500
Total			\$24,130,000

*MWDOC, EMWD, IEUA, SBVMWD, WMWD and Big Bear Lake Department of Water and Power.

Projects Allocation by Area/DAC

Upper
Watershed
(60%)

Project	Grant
Replenish Big Bear (BBARWA)	\$2,765,588
Evans Lake (SBVMWD)	\$2,000,000
Well 30 Treatment (MVWD)	\$3,431,225
Santa Ana Watershed Fire Mgt (Cleveland Forest)	\$497,998
Regional Landscape (Project Partners)	\$1,184,469
JCSD/IEUA Water Recycling Program (IEUA)	\$2,617,971
Total	\$12,497,250

Watershed-
Wide
(10%)

Project	Grant
Water Budget Decision Support Tool (SAWPA)	\$500,000
Regional Landscape (Project Partners)	\$1,582,875
Total	\$2,082,875

North OC
Stakeholders
(30%)

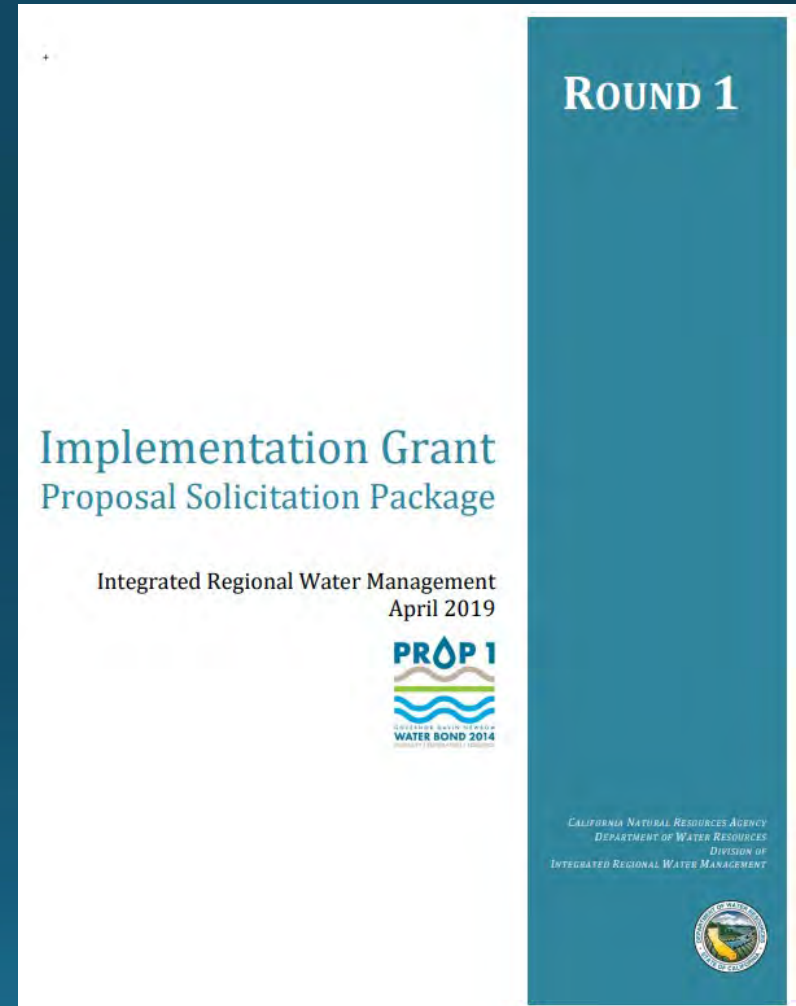
Project	Grant
GWRS Expansion (OCWD)	\$3,589,553
Raitt & Myrtle Park (Santa Ana City)	\$2,359,072
OC Smartscape (OC Coastkeeper)	\$300,000
Total	\$6,248,625

DAC

Project	Grant
Replenish Big Bear (BBARWA)	\$1,797,750
Lake Elsinore Algae Removal (Lake Elsinore City)	\$297,000
Total	\$2,094,750

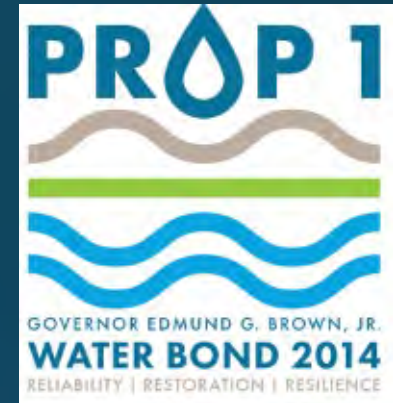
Next Steps

- Project proponents fill out Project Information Forms (PIFs) and submit to SAWPA
- DWR Pre-Application Workshop at SAWPA on Aug. 14th
 - DWR Comments provided within 6 weeks thereafter
- Grant Proposal Due to DWR
 - 8 weeks after DWR Comments



Recommendation

- The OWOW Steering Committee recommends that, consistent with the North OC Stakeholders/SAWPA Cooperative Agreement regarding IRWM grant funding in the Santa Ana Funding Area, the North OC Stakeholder's IRWM projects be submitted to DWR for Proposition 1 IRWM Round 1 grant funding.



SAWPA TASK FORCES REGULATORY SUPPORT

**Presented by Mark Norton P.E.,
Water Resources & Planning Manager**

**SAWPA Commission
Aug. 6, 2019**

Basin Monitoring Program Task Force

Eastern Municipal Water District	Chino Basin Watermaster
Inland Empire Utilities Agency	Yucaipa Valley Water District
Orange County Water District	City of Beaumont
City of Riverside	City of Corona
Lee Lake Water District	City of Redlands
Elsinore Valley Municipal Water District	City of Rialto
Irvine Ranch Water District	Jurupa Community Services District
Colton/San Bernardino Regional Tertiary Treatment and Wastewater Reclamation	Western Riverside Co Regional Wastewater Authority/WMWD
*San Bernardino Valley Municipal Water District	*City of Banning
* San Gorgonio Pass Water Agency	* Beaumont Cherry Valley Water District

- Four new agencies added in 2015
- Santa Ana Regional Board also a non-funding task force agency

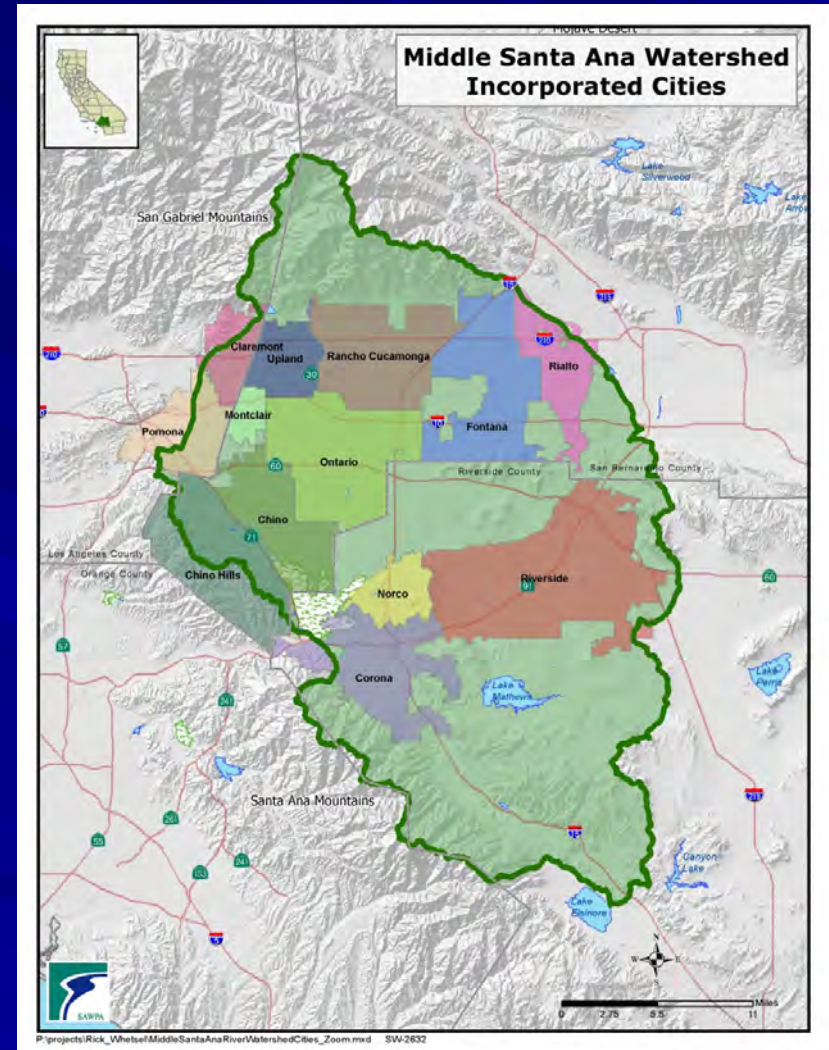
Recent and Future Deliverables – BMP TF

- Work continues on triennial ambient groundwater quality update by WSC with draft anticipated in Mar. 2020
- Near finalization of Santa Ana River (SAR) Wasteload Allocation – anticipated by Sept. 2019
- Basin Plan Amendment and Supplemental Environmental Document to be prepared for SAR Wasteload Allocation by Dec. 2019
- Existing WWTP permits were extended to meet new SAR Wasteload Allocation
- Drought Policy based on So Cal Salinity Coalition technical work – by Dec. 2019



Middle Santa Ana River Pathogen TMDL Task Force

- Task Force Agencies :
 - County of San Bernardino
 - County of Riverside
 - Cities of Chino, Chino Hills, Claremont, Corona, Eastvale, Fontana, Jurupa Valley, Montclair, Norco, Ontario, Pomona, Rancho Cucamonga, Rialto, Riverside, and Upland
 - Agricultural Operators represented by Chino Basin Watermaster Agricultural Pool



Recent and Future Deliverables – MSAR TMDL TF

- Work continues on synoptic sampling study to evaluate the effectiveness of the Comprehensive Bacteria Reduction Plans (CBRPs) implemented by MS4 programs
- Study will be use to guide future resource allocation and future bacterial mitigation projects
- Study will also support planned revisions to the MSAR Bacteria TMDL



Basin Monitoring Program Task Force & Middle Santa Ana River Pathogen TMDL Task Force – Regulatory Support

- Tim Moore of Risk Sciences announced his retirement on July 1, 2020.
- Suggests part time transitional support of another consultant for FY 19-20 to supplement his support, gain institutional and regulatory background and then transition to full support of task forces in FY 20-21.
- Task Forces request SAWPA issue an RFQ to determine potential firms who can conduct similar support to task forces.



Basin Monitoring Program Task Force & Middle Santa Ana River Pathogen TMDL Task Force – Regulatory Support

- Proposals from four firms received and interview panel formed consisting of three members from task forces affected, Regional Board Deputy Director, and SAWPA staff.
- Committee is unanimous in support of Theresa (Tess) Dunham of Somach Simmons & Dunn to undertake regulatory strategist/facilitator to all task forces
- Ms. Dunham prepares proposals for work to support task forces for FY 19-21. All task forces recommend support of contracts with Theresa Dunham of Somach Simmons & Dunn



Recommendation

That the Commission:

- Agreement for Services with Somach Simmons & Dunn and SAWPA
- Task Order SOMA374-01 with Somach Simmons & Dunn in the amount not to exceed \$112,380 for the next two fiscal years, estimated at \$31,350 for FY19-20 and \$81,030 for FY 20-21, to provide strategic and regulatory support for the Basin Monitoring Program Task Force
- Task Order SOMA384-01 with Somach Simmons & Dunn in the amount not to exceed \$119,790 for the next two fiscal years, estimated at \$42,645 for FY 19-20 and \$ 77,145 for FY 20-21, to provide strategic and regulatory support for the Middle Santa Ana River Pathogen TMDL Task Force.

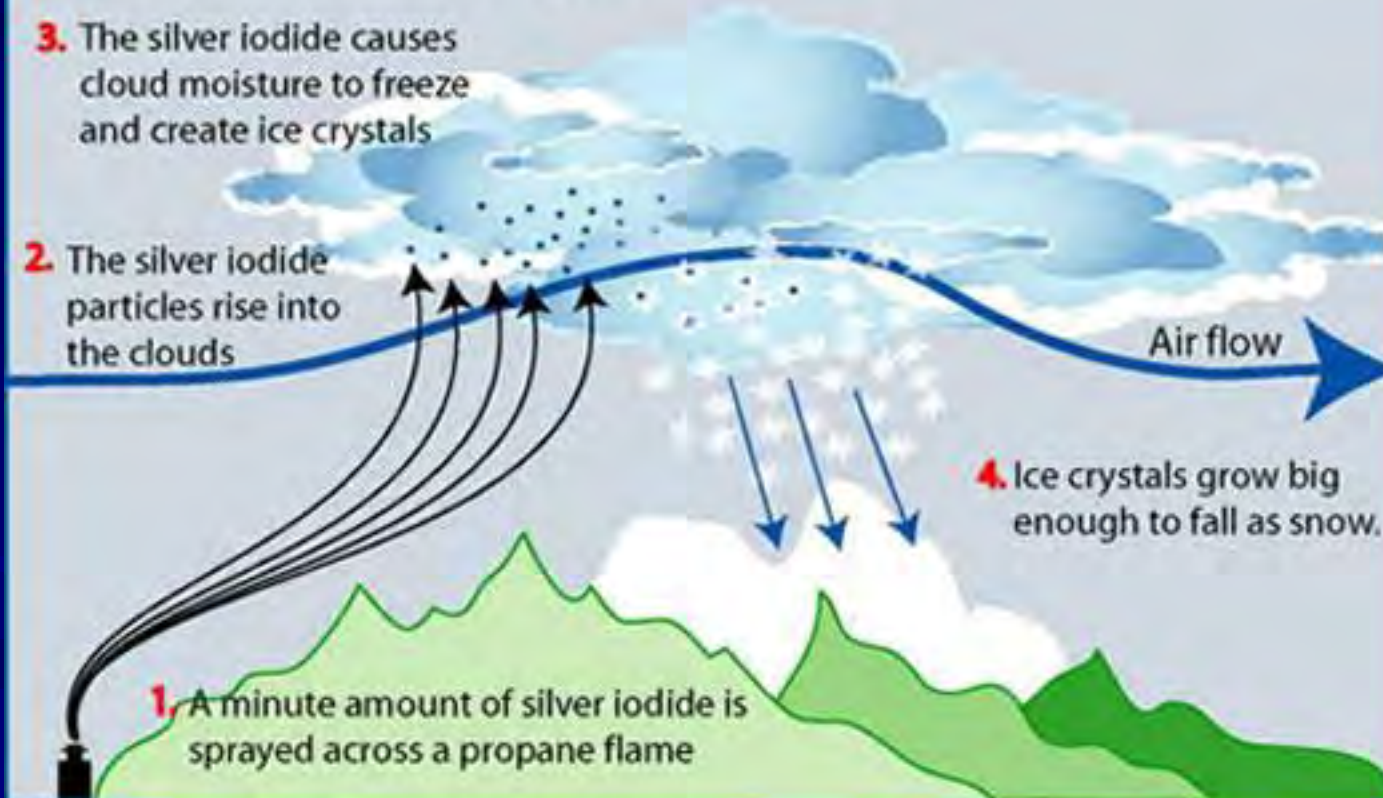
WEATHER AUGMENTATION FOR WATER SUPPLY IN SANTA ANA RIVER WATERSHED

**Presented by Mark Norton P.E.,
Water Resources & Planning Manager**

**SAWPA Commission
Aug. 6, 2019**

On June 4, Tom Ryan from MWDSC discussed ongoing weather augmentation for water supply – cloud seeding programs

How Cloud Seeding Works



SAWPA staff received positive comments about program after presentation

150 programs in 40 countries and 11 states

- Ski areas, Power utilities
- Insurance companies
- Water resources agencies
- Conservation, and Irrigation districts
- Research institutes

Costs

\$4-40/AF, including planning



SAWPA Member Agency GMs feedback

- SAWPA staff asked SAWPA Member Agency General Managers if weather augmentation in the Santa Ana River Watershed should be studied
- GMs felt feasibility study to possibly implement in the Santa Ana River Watershed may be worthwhile
- Could lead to possible request under DWR's Prop 1 IRWM Round 2 grant program in FY 2020-21 to implement by SAWPA



Recommendation

That the Commission support the issuance of a Request for Proposals to conduct a feasibility analyses for a weather modification for water supply program in the Santa Ana River Watershed.