



CalDesal

Newsletter | Volume 4 | April 2017

A Unified Voice for Water Desalination and Salinity Management in the Golden State

The 5th Annual CalDesal Conference Was a Great Success!

The 5th Annual CalDesal Conference was a great success February 2-3 in San Diego. The conference panels were very informative. Many thanks to the Conference sponsors – and in particular to IDE Americas who sponsored the luncheon speaker.

At this year's conference we had sponsors host an information table providing company information to attendees. This was one the most attended CalDesal conferences in our history. We will continue to see our conferences grow. The conference materials are on our website – please feel free to check out the information at this link: <http://caldesal.org/conference.php>.



5th Annual CalDesal Conference

San Diego, CA



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From the Desk of Executive Director Paul Kelley:

The AMTA had a conference in Long Beach in mid February, and they had many good programs on membrane technologies impacting RO and some case studies of desalination around the world. The Multi-State Salinity coalition held their summit at the beginning of March. The MSSC conference had some informative panels regarding salinity management issues for the south western states. An interesting technology by Enviro Water Minerals Company is being demonstrated at the El Paso BWRO facility to reduce brine disposal to less than 1%.

Washington DC report:

At the end of February the California Association of Sanitation Agencies(CASA) and the Association of California Water agencies (ACWA) held their annual Washington DC conferences. The CalDesal board approved creating a one page flyer about CalDesal, and some of the items we would advocate for while attending the conference.

During the ACWA group lobbying meetings, the group members had multiple CalDesal members and we were able to make many positive presentations for California Water.

The Primary points of emphasis for CalDesal in DC:

-Water and Wastewater infrastructure is important – and should be considered in all Federal discussions about infrastructure investment.

-Desalination is Water infrastructure – Ocean and Ground Water Desalination are key elements of water supply portfolios and should be encouraged.

-The Water Infrastructure Investment for the Nation (WIIN) passed late last year – and we encourage Congress to fund the Re-Authorized Desalination Act of 1996 at the amount of \$30 million a year.

-The WIIN act also made desalination projects eligible for WIFIA – so funding that program for our projects will be helpful.

-Encourage and keep other financing tools like Tax exempt municipal bonds, private investments, and public private partnerships.

Sacramento report:

CalDesal continuously monitors legislation and regulatory agencies – advocating for desalination and salt management. The 2017 legislative year is busy, and the CalDesal legislative advocate Ron Davis is working with the Executive Director on monitoring the bills presented. One bill in particular is of interest to CalDesal – AB 554 (Cunningham). AB 554 would set a Desalination Goal for the State of California. The bill does not specify a particular method of desalination – so it includes Ocean and Brackish desal. The goals in the bill are: 300,000 AFY by 2025 and 500,000 AFY by 2050. The bill was set for hearing before the Water, Parks and Wildlife committee and CalDesal was the principle witness in favor of the bill. A similar bill last year did not get out of this committee, this year on a 9-3-3 vote the bill was passed on to the Appropriations committee. Go to www.caldesal.org to the CalDesal Leg Alerts that provide more information and a link to the bill text and a link to a sample support letter you are encouraged to send.

Another bill of interest to CalDesal is AB 574 (Quirk) bill regarding potable reuse. This bill is sponsored by WaterReuse and California Coastkeeper and is supported by many of our member agencies. CalDesal is supporting the bill and will keep tabs on its move through the legislature.

All in all there are over 30 bills that CalDesal is keeping tabs on for our membership.

BREAKING FUNDING NEWS:

DWR releases draft grant guidelines for Prop 1 Desal Funding. Go to www.caldeasal.org to see the press release.



CalDesal

SPONSORSHIP OPPORTUNITIES

Don't miss this chance to mix and mingle with your associates! This will be a client rich environment for you to network and meet potential new customers.

Attendees will include CalDesal members from water agencies and wastewater facilities representing all regions of California, as well as water industry advocates, consultants and vendors. This will be a client rich environment for you to network and meet potential new customers.

As a sponsor of the event, you will have the opportunity to be introduced at the event, display company brochures and business cards, and your company logo will be displayed on signage at the event and on invite cards. Additional benefits of sponsorship are outlined below, depending on the level of sponsorship. Thank you!!!

Sponsorship Levels:

- Graphene Sponsor - \$2,000.00** (premier recognition on the CalDesal website, table top at event to display company information, logo in email marketing and onsite materials, and full page ad in post-mixer newsletter)
- Platinum Sponsor - \$1,500.00** (table top at event to display company information, logo in email marketing and onsite materials, and 1/2 page ad in post-mixer newsletter)
- Gold Sponsor - \$1,000.00** (includes logo in email marketing and onsite materials, opportunity to submit 1/4 page ad in post event email newsletter)
- Silver Sponsor - \$500.00** (includes logo in email marketing and onsite materials)

Please complete the following information and return this form to info@caldesal.org

Also, please email a high resolution jpeg of your logo to info@caldesal.org

Contact Name: _____

Company: _____

Email Address: _____

Address: _____ City: _____ State: _____ ZIP + 4 _____

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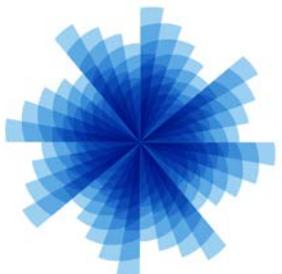
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Thank you to our 5th Annual Conference Sponsors and Exhibitors

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Thank you to our exhibitors!



Carlsbad Plant Tour



5th Annual Conference Pictures



5th Annual Conference Pictures





Around the World – Desal in the News

Australia

The Victorian Desalination Plant (VDP) – a SWRO plant with design capacity of 119 MGD - had been mothballed for the past 4 ½ years and is now operating. The plant was built to supply water to Melbourne's water supply reservoir and built in response to a 10 year drought. When the plant was commissioned, there had been record rainfalls and the reservoir was filled. The plant was put on hold – now the reservoir is low again and the plant has a standing order to deliver about 10% (12,000 AFY) of its capacity.

Mexico

The Consolidated Water Company (CWC) working with a consortium of companies have gotten permits to build a SWRO project of 100MGD. The project costs are projected at \$463 million and is currently going through the challenging financing phase. Made more complicated by the fluctuating value of the Mexican Peso. The project is planned to be phased – with phase one a 50MGD facility operational by the end of 2019. The second phase would double the size and planned to be operational by 2024. The operational period is currently set at 37 years – after which it would be handed to the state.

Saudi Arabia

There are three large scale independent water projects (iwp) are being considered and all are on the Saudi Arabia's Red Sea Coast. The combined potential production capacity of these projects would be 377.8 MGD. The Saline Water Conversion Corporation has started the finance, planning, technical and consultant selection process on these projects.

Jordan

In March 2017, the first seawater desalination (SWRO) plant in the country was commissioned. The Aqaba SWRO plant is a 3.2 MGD facility that is powered by renewable energy from solar and methane harvested from a nearby fertilizer plant.

World Company News

As many may know, GE Water has been for sale since the beginning of 2017. GE Water is a big player in many water clean up, purification, and desalination technologies. They have some technology used for the soda industry that could have application and use in the brackish/ground water desalination world of water supply agencies. In March of 2017 it was announced that the company Suez buy GE Water. Suez is getting some funding (30%) from a Canadian pension fund manager to make the \$3.4 billion all-cash purchase. There are many conjectures about the impact of this sale, but it's probably best to let it play out.

California Project Updates

Ocean Desalination:

Carlsbad "Bud Lewis" Desalination Facility – Poseidon / San Diego Water Authority Operational since December 2015 The most advanced and efficient Ocean Desalination facility in the United States.

Produced over 50,000 AF of water to date.



<http://carlsbaddesal.com/>

Make sure you sign up to visit this facility on the day before the CalDesal Conference.

Doheny Ocean Desalination Project – South Coast Water District

https://www.scwd.org/projects/doheny_ocean_desalination.asp

Huntington Beach – Poseidon

Follow progress: www.hbfreshwater.com

West Basin Desalination proposal

Follow progress: <http://www.westbasindesal.org/>

City of Santa Barbara Desalination Facility

The reactivation project has been under construction and scheduled to be operational Q1 2017

Update:

<http://www.santabarbaraca.gov/gov/depts/pw/resources/system/sources/desalination.asp>

