



REGULAR BOARD MEETING AGENDA
BOARD OF DIRECTORS MEETING
MALAGA COUNTY WATER DISTRICT
3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
Thursday, May 04, 2017 at 6:00PM

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in a District Board Meeting, please contact the District Office at 559-485-7353 at least 48 hours prior to the meeting, to ensure that reasonable arrangements can be made to provide accessibility to the meeting.

- ❖ Please submit all written correspondence for the Board of Directors by 12:00 pm the Friday prior to the meeting. Please deliver or mail to the District Clerk.
- ❖ Public comments are limited to three (3) minutes or less per individual per item, with a fifteen (15) minute maximum per group per item and will be heard during the communication portion of the agenda.

1. Call to Order:

2. Roll Call: President Charles Garabedian, Jr.; Vice President Salvador Cerrillo; Director Irma Castaneda; Director Frank Cerrillo, Jr.; Director Carlos Tovar, Jr.

3. Certification: Certification was made that the Board Meeting Agenda was posted 72 hours in advance of the meeting.

4. Old Business:

- a. **Intern Project.** The General Manager will make a presentation for an intern program in Malaga. For information and potential action.

5. New Business:

- a. **Vaccine Clinic.** Fresno Humane Animal Services will provide vaccines for dogs on May 16, 2017. Malaga residents will be receiving a special price of \$20 for both Rabies and Parvo vaccine along with microchip with registration. For Information and discussion.
- b. **Rio Bravo Fresno Pilot Study.** Rio Bravo Fresno has agreed to participate in a pilot study to treat for reuse cooling tower water. A planning grant is being developed to fund the study. For information and discussion.
- c. **Recreation Center Ad Hoc Committee.** It is recommended that an ad hoc committee be formed to develop policies for the recreation center after the multi-media improvements are completed. For discussion and potential action.
- d. **Recreation Center Swamp Coolers.** New England Sheet Metal provided quotes for repairs to swamp coolers at the recreation center. The total cost of four repairs is \$4,137.

Recommended action. That the swamp cooler repairs be approved.

Motion by: _____; **Second by:** _____.

6. Recreation Reports: To be submitted at the meeting.

7. Engineer Reports:

- a. District Engineer Report. No new reports for this meeting.
- b. CDBG Engineer Report: No new reports for this meeting.

8. General Manager's Report:

- a. A report on the HSR meeting on 3 May.
- b. A report on the meeting with Jim Simon of RSG on 2 May.
- c. A report of the NKGSA meeting on 27 April.
- d. Department reports
- e. Other reports.

9. President's Report:

10. Vice President's Report:

11. Director's Reports:

12. Legal Counsel Report:

13. Consent Agenda. The items listed below in the Consent Agenda are routine in nature and are usually approved by a single vote. Prior to any action by the Board of Directors, any Board member may remove an item from the consent agenda for further discussion. Items removed from the Consent Agenda may be heard immediately following approval of the Consent Agenda or set aside for discussion and action after Regular Business.

- a. Minutes of the Regular Board Meeting of April 25, 2017.
- b. Financial Statements and Accounts Payable Reports.

Recommended action: To approve the Consent Agenda as presented or amended.

Motion by: _____; **Second by:** _____

14. Communications:

- a. Written Communications:
 - 1. **ACWA Region Elections.** The Region 6 Nominating Committee is looking for ACWA members who are interested in leading the direction of ACWA Region 6 for 2018-2019 term. Anyone interested in serving in a leadership role within ACWA must complete two forms by June 30, 2017.
- b. Public Comment.

15. Closed Session:

16. Adjournment:

Motion by: _____, **Second by:** _____.

Certification of Posting

I, Norma Melendez, District Clerk of the Malaga County Water District, do hereby certify that the foregoing agenda for the Regular Meeting of the Board of Directors of May 4, 2017 was posted for public view on the front window of the MCWD office at 3580 S. Frank Street, Fresno Ca 93725, at 5:00P.M. On 05/01/2016.

Norma Melendez

Norma Melendez, District Clerk



RABIES VACCINATION CLINICS

Item 5.a

Rabies Vaccine	\$6.00
Parvo-Distemper Vaccine	\$10.00
Microchip with Registration	\$20.00

Get the full package for only \$25.00!!



*A limited number of
Low Cost Spay & Neuter Vouchers
Will be available!!*



Malaga Residents - \$20.00 for shots, microchip and spay/neuter!!!!

Malaga Community Center

3582 S Winery, Fresno

Tuesday, May 16th 6:00-7:30 pm

Fresno Humane Animal Services

Saturday, May 20th 8:30-11:00 am



760 W. Nielsen Ave. Fresno, CA 93706
(559) 600-7387(PETS)
www.fresnohumane.org

item 5.b.



Voltea

item 5.b.

Richard Bastar IV

Regional Manager, West Coast USA

March

2017

Discussion Overview



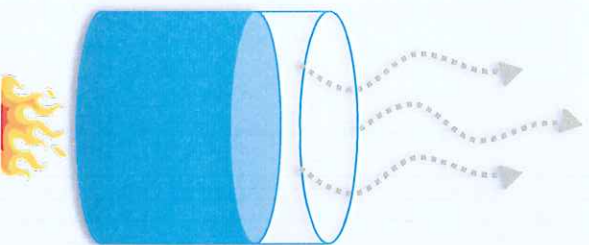
- Introduction - Membrane capacitive deionization (CapDI)
- Technology - What is it & how does it work?
- CapDI - Where does it fit and what can it do?
- Key applications for CapDI
- Questions

CapDI - The Science & Technology



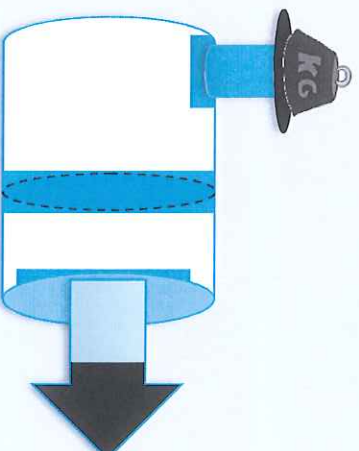
Principles of separation

Energy consumption for:



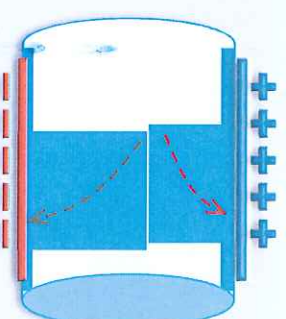
...evaporating all water.

$10 - 15 \text{ kWh/m}^3$



...forcing all water through an RO membrane.

$1 - 1.5 \text{ kWh/m}^3$



...attracting only the ions.

$0.4 - 0.8 \text{ kWh/m}^3$

**"CapDI: treat ions,
not water"**

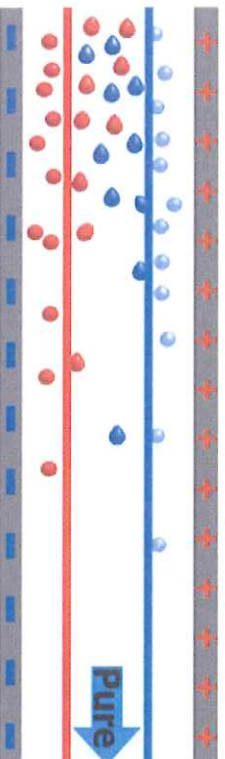
Technology - membrane capacitive deionization Voltea

The membrane in CapDI controls efficiency and precision

2 Simple Steps

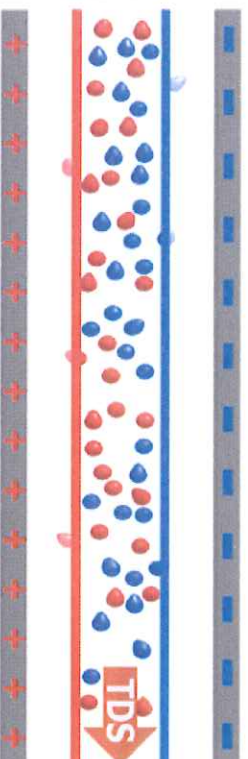
Purification

Saline water passes between oppositely charged electrodes which electrostatically remove dissolved ions, leaving pure water flowing out of the cell.



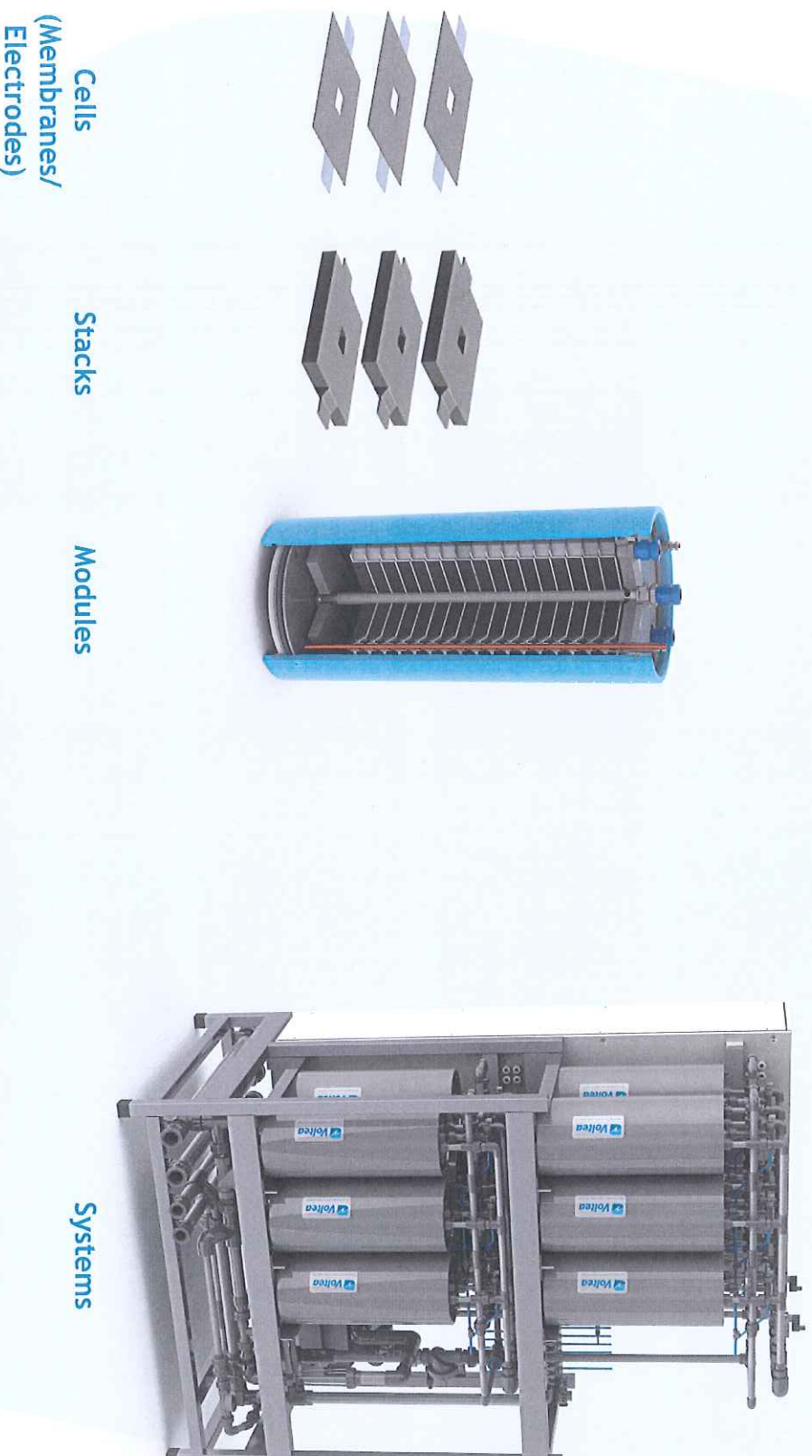
Regeneration

Feed water flushes through the cell at a lower flow rate, while electrode polarity is reversed. Ions are rejected from the electrode surface, concentrated in the flow channel and flushed from the cell.



Seamless build: components to systems

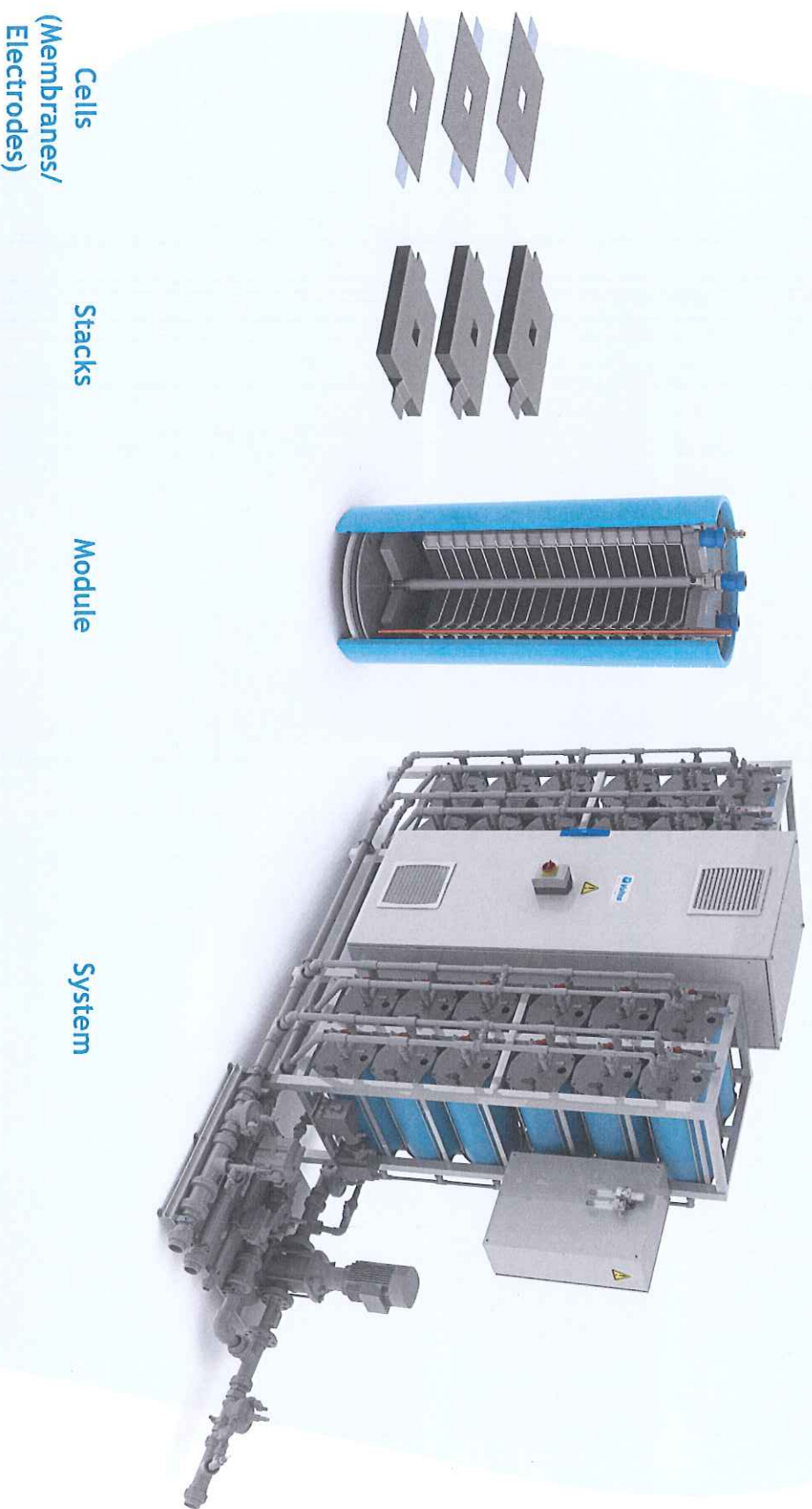
Conversion of components into systems



Seamless build: components to systems



Conversion of components into systems



Voltea Industrial Series (IS)

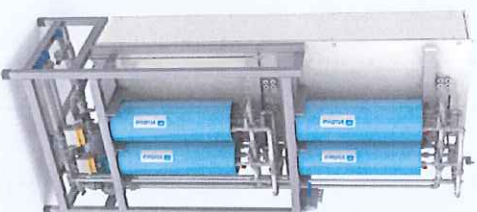


Voltea has streamlined design and standardized industrial systems

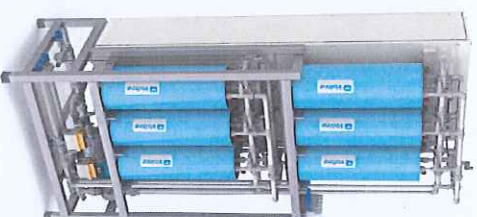
IS2



IS4



IS6



IS8



IS10



IS12



IS systems do not include pre-treatment

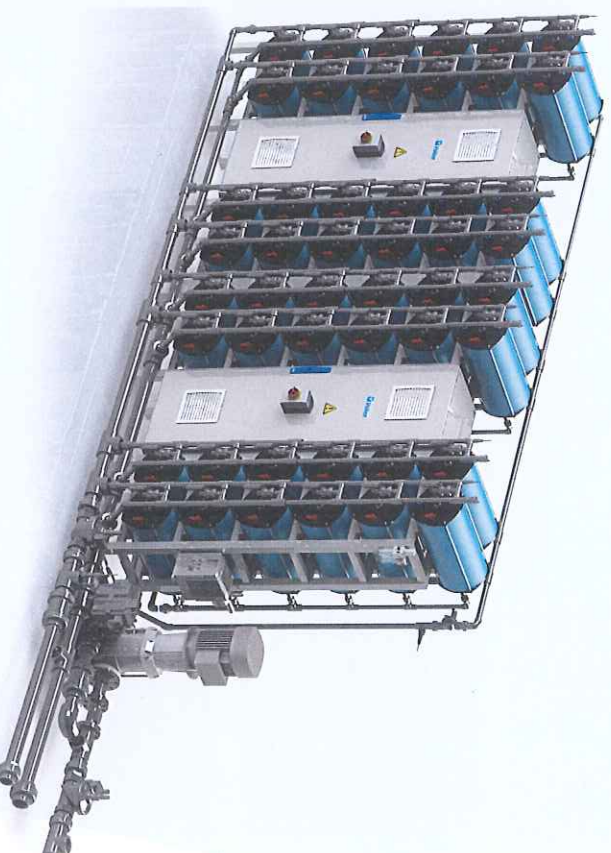
Voltea Industrial Series (IS)

Voltea has streamlined design and standardized industrial systems

IS24

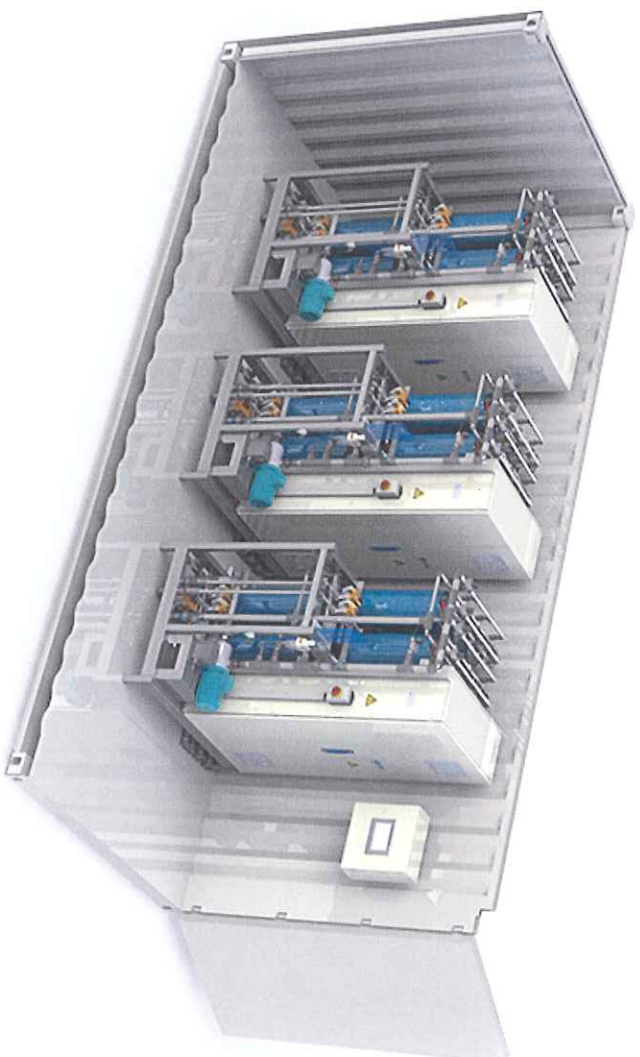


IS48



IS systems do not include pre-treatment

Containerized Systems



CapDI Advantages











- ❑ CapDI water recovery is 75-90%
- ❑ Tunable TDS reduction
- ❑ Only the ions pass through the membrane, reducing fouling risk
- ❑ No chemical consumption is required in most cases
- ❑ Robust, plug and play solution
- ❑ Modular and scalable
- ❑ Can be adapted to changing conditions
- ❑ Remote monitoring and dynamic control capabilities
- ❑ Low operating pressure

Technology: applications



CapDI controls water composition by removing dissolved impurities

Example Constituents	Why Remove		Relevance
Hardness	CaCO ₃ , CaSO ₄ , MgSO ₄	Water softening	<p>Improve water quality</p> <p>Protect and optimize equipment</p>  
Ionic species	Na ⁺ , Cl ⁻ , K ⁺ , Fe ²⁺ , HCO ₃ ⁻	Water deionisation	<p>Taste, reduce and reuse everywhere and equipment performance</p> <p>Discharge regulatory compliance</p>  
Toxic components	Chelating agents, Arsenic, Selenium, Cyanide, Lead, Nitrates	Water detoxification	<p>Improve water quality for health</p>  
High value components	Metals and precious metals	Waste water treatment	<p>Recovery of valuable materials</p> <p>Reduce expensive waste disposal</p>  

Synergy - Where we fit

Examples of combinations with other techniques



TDS removal by stand alone
CapDI



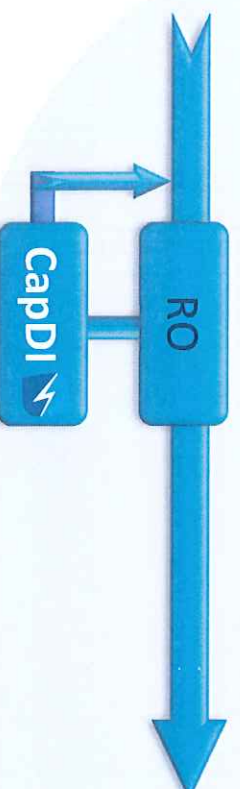
Extend life of RO membrane by
reducing hardness



Salt/mineral removal after
solids control for specific water



Ultra high purity water



Brine concentrating for
improved recovery

...and many more

CapDI technology - Applications

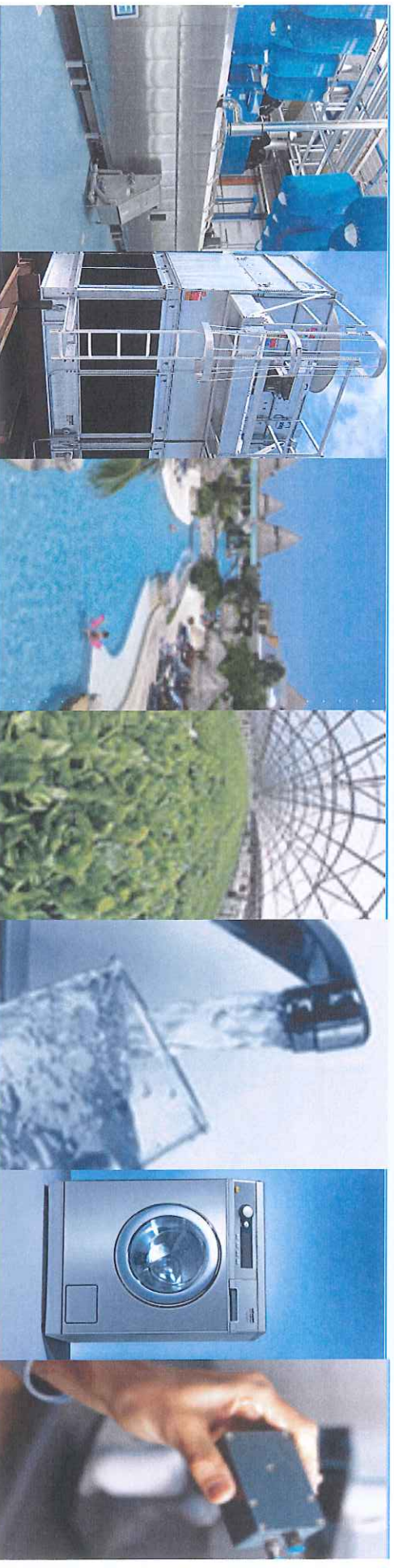
Industrial *TDS reduction*

- Laundry
- Cooling towers
- Boilers
- Mining
- Coal Bed Methane
- Greenhouses
- Golf courses
- Swimming pools
- Food & Beverage
- Car wash
- Laundries
- Arsenic removal
- Softening
- TDS removal
- Nitrate removal
- Coffee machines
- Washing machines
- Dishwashing
- Steamer cookers

Commercial *TDS removal*

Point of Entry *Residential*

Point of Use *Softening*



Questions?



item 5-d.

New England
Sheet Metal
P.O. Box 11158
Fresno, CA 93771
(559) 268-7375
John Niewind Direct Fax (559) 441-2214
E-mail – jniewind@nesmw.com

Proposal & Fax/E-mail Quotation

Date: 4/24/17

Quote#2832-JN

To: Laurie Cortez	Company: Malaga County Water District
From John Niewind	Total Pages
	Transmitted: 2

Project: 3580 S Franks

<input type="checkbox"/> Urgent	<input type="checkbox"/> For Your Info.	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> Note Changes
<input type="checkbox"/> Budget Only	<input checked="" type="checkbox"/> Quote	<input type="checkbox"/> Revised Quote	<input type="checkbox"/> Please call to discuss

This quote is valid for 30-days.

Cooler #3 Community Center Gym

During a recent visit to your facility New England found a problem that requires attention.

We have found that the blower motor sheave is broken and the belt is bad. We recommend replacing the motor sheave and belt. We will shut down the cooler, remove and replace the blower motor sheave and belt. We will then align and adjust the belt tension as required. Once the repairs are completed we will start and confirm that the cooler is working properly.

The amount to accomplish the recommended repair above as described is
(During Normal Working Hours –M-F, 08:30-4:30)\$306.00

Exclusions:

Pre-existing conditions not detectable due to device or component failure
Over-time & weekend labor
Anything not stated in the scope of work

Comments:

Thank you for allowing New England Sheet Metal Works, Inc. to generate this proposal

New England

Sheet Metal

P.O. Box 11158

Fresno, CA 93771

(559) 268-7375

John Niewind Direct Fax (559) 441-2214

E-mail – jniewind@nesmw.com

Proposal & Fax/E-mail Quotation

Date: 4/24/17

Quote#2833-JN

To: Laurie Cortez

Company: Malaga County Water District

From John Niewind

Total Pages

Transmitted: 2

Project: 3580 S Franks

☐ Urgent ☐ For Your Info. ☐ Reply ASAP ☐ Note Changes
☐ Budget Only ☒ Quote ☐ Revised Quote ☐ Please call to discuss

This quote is valid for 30-days.

Cooler on Community Center Gym

During a recent visit to your facility New England found a problem that requires attention.

We have found that the blower wheel shaft bearings and blower belt are bad. We recommend replacing the shaft bearings and belt. We will shut down the cooler, remove and replace (2) blower wheel shaft bearings and the blower belt. We will then align and adjust the belt tension as required. Once the repairs are completed we will start and confirm that the cooler is working properly.

Note: The bearings could seize up and damage the blower shaft.

The amount to accomplish the recommended repair above as described is
(During Normal Working Hours –M-F, 08:30-4:30)\$653.00

Exclusions:

Pre-existing conditions not detectable due to device or component failure

Over-time & weekend labor

Anything not stated in the scope of work

Comments:

Thank you for allowing New England Sheet Metal Works, Inc. to generate this proposal

New England
Sheet Metal
P.O. Box 11158
Fresno, CA 93771
(559) 268-7375
John Niewind Direct Fax (559) 441-2214
E-mail – jniewind@nesmw.com

Proposal & Fax/E-mail Quotation

Date: 4/24/17

Quote#2830-JN

To: Laurie Cortez
From: John Niewind

Company: Malaga County Water District
Total Pages
Transmitted: 2

Project: 3580 S Franks

☐ Urgent ☐ For Your Info. ☐ Reply ASAP ☐ Note Changes
☐ Budget Only ☒ Quote ☐ Revised Quote ☐ Please call to discuss

This quote is valid for 30-days.

#1, 2,3 and 4 evaporative coolers on the Gym

During a recent visit to your facility New England found a problem that requires attention.

We have found that the cooler aspen pads are falling apart. We recommend replacing the aspen cooler pads. We will remove and replace (32) aspen cooler pads. Once the cooler pads are replaced we will confirm that we have good water distribution over the new cooler pads and the coolers are working properly.

Note: It will require (2) technicians to complete the work.

The amount to accomplish the recommended repair above as described is
(During Normal Working Hours –M-F, 08:30-4:30)\$2,218.00

Exclusions:

Pre-existing conditions not detectable due to device or component failure
Over-time & weekend labor
Anything not stated in the scope of work

Comments:

Thank you for allowing New England Sheet Metal Works, Inc. to generate this proposal

John Niewind
Customer Service Rep.

04/26/17

10:47 AM

New England
Sheet Metal
P.O. Box 11158
Fresno, CA 93771
(559) 268-7375
John Niewind Direct Fax (559) 441-2214
E-mail – jniewind@nesmw.com

Proposal & Fax/E-mail Quotation

Date: 4/24/17

Quote#2831-JN

To: Laurie Cortez Company: Malaga County Water District

From John Niewind Total Pages
Transmitted: 2

Project: 3580 S Franks

☐ Urgent ☐ For Your Info. ☐ Reply ASAP ☐ Note Changes
☐ Budget Only ☒ Quote ☐ Revised Quote ☐ Please call to discuss

This quote is valid for 30-days.

Unit #1 – serves the office in Community Center (S#2905G50548)

During a recent visit to your facility New England found a problem that requires attention.

We have found that the inducer motor is locked up. We recommend replacing the inducer motor assembly and capacitor. We will remove and replace the inducer motor assembly and capacitor then make the electrical connections as required. Once the repairs are completed we will start and test the heating cycle of unit.

Note: The inducer motor is 3-5 days from factory.

The amount to accomplish the recommended repair above as described is
(During Normal Working Hours –M-F, 08:30-4:30)\$960.00

Exclusions:

Pre-existing conditions not detectable due to device or component failure
Over-time & weekend labor
Anything not stated in the scope of work

Comments:

Thank you for allowing New England Sheet Metal Works, Inc. to generate this proposal

04/26/17

10:51 AM

John Niewind
Customer Service Rep.
559-268-7375
Fax 559-441-2214

ACCEPTANCE

New England Sheet Metal Works, Inc. will consider acceptance of this proposal as your "Letter of Intent" to proceed with the work. A formal contract will follow.

ACCEPTED: _____
(Signature)

Title: _____

Name: _____
(Please Print)

Date: _____ Authorizing PO _____



REGULAR BOARD MEETING MINUTES
BOARD OF DIRECTORS MEETING
MALAGA COUNTY WATER DISTRICT
3580 SOUTH FRANK STREET
FRESNO, CALIFORNIA 93725
Tuesday, April 25, 2017 at 6:00PM

item 13-a

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in a District Board Meeting, please contact the District Office at 559-485-7353 at least 48 hours prior to the meeting, to ensure that reasonable arrangements can be made to provide accessibility to the meeting.

- ❖ Please submit all written correspondence for the Board of Directors by 12:00 pm the Friday prior to the meeting. Please deliver or mail to the District Clerk.
- ❖ Public comments are limited to three (3) minutes or less per individual per item, with a fifteen (15) minute maximum per group per item and will be heard during the communication portion of the agenda.

1. Call to Order: 6:00 PM

- 2. Roll Call:** President Charles Garabedian, Jr.; Vice President Salvador Cerrillo; Director Irma Castaneda; Director Frank Cerrillo, Jr.; Director Carlos Tovar, Jr.

All present.

- 3. Certification:** Certification was made that the Board Meeting Agenda was posted 72 hours in advance of the meeting.

- 4. Consent Agenda.** The items listed below in the Consent Agenda are routine in nature and are usually approved by a single vote. Prior to any action by the Board of Directors, any Board member may remove an item from the consent agenda for further discussion. Items removed from the Consent Agenda may be heard immediately following approval of the Consent Agenda or set aside for discussion and action after Regular Business.

- a. Minutes of the Regular Board Meeting of April 11, 2017.

Recommended action: To approve the Consent Agenda as presented or amended.

Motion by Vice President Cerrillo; Second by Director Castaneda and a 5-0 vote to approve the Consent Agenda as presented.

5. Old Business:

- a. **Groundwater Policy.** Review and discussion of District Groundwater Policy in relation to SGMA and the District Groundwater consultant.

A discussion was held regarding the SGMA, North Kings GSA, the Kings Basin GSA and Malaga's participation and activities related to each including the Districts efforts to begin groundwater recharge. Following the discussion it was the consensus of the Board that the General Manager continue the Districts efforts to prepare agreements with other agencies to set the framework for groundwater discharge by the District.

- 6. New Business:** No new business for this meeting.

- 7. Recreation Reports:** None for this meeting.

- 8. Engineer Reports:**

- a. District Engineer Report. None for this meeting.
- b. CDBG Engineer Report: None for this meeting.

9. General Manager's Report:

- a. Department Reports
- b. Internship program.

General Manager would like

10. President's Report:

President Garabedian, Jr. informed the Board Members of the ACWA Ethics Training will be presented during the AWCA Conference in May, 2017. The President also reported that a deal was made under SB 496 which gives immunity to civil engineers and architects in the case of construction malfunction. This would save the engineer and architect a lot of money in liability. Finally, Steven Sun is waiting for a proposal for the Malaga road clean-up.

11. Vice President's Report:

Vice President Cerrillo asked President Garabedian, Jr. how the Malaga Park restroom plans were coming along. President Garabedian, Jr. replied with

12. Director's Reports:

Director Cerrillo, Jr. asked the General Manager if the meter/water line issue with Inland Star had been resolved. GM said that the issue has not been resolved but measures are being taken to correct it.

Director Tovar, Jr. reported that a member of the community sent him a picture of the horseshoe area where you could see overgrown weeds and trash inside and outside of the horseshoe fence. He urges that the groundskeepers at the Malaga Park be on top of landscape maintenance.

Director Castaneda invites the Board Members and the community to visit the wrestling team on Tuesday's or Thursdays to show support. She also suggested to move the wrestling team to the bigger room of the community center to give them more space to practice.

13. Legal Counsel Report:

In Closed Session.

14. Communications:

a. Written Communications:

1. A Thank You card was sent to the Board Members and the MCWD staff from the husband of the former Malaga Elementary School Principal, Danell Stepp, giving thanks for the support the MCWD has offered.
2. Communication received on 04/24/2017 regarding Malaga Scholarship. Due to a scholarship winner in 2016 not attending college, \$500 will be carried over from 2016 and added to the 2017 Malaga Scholarship for a total of \$1,500. Five applications were complete and are each set to receive a \$300 Malaga Scholarship. In the event that any of the 2017 scholarship candidates do not use or do not fulfil any of the requirements to receive the award that the award will carry over to 2018.

3. Communication received on 4/21/2017 regarding Fiscal Feasibility Study for Reorganization of the Malaga County Water District. For review.

b. Public Comments.

15. Closed Session: 7:50pm

- a. Conference with legal counsel [Pending Litigation Government Code Section 54956.9] Malaga v. CVRWQCB et al. MCV071279.
- b. Conference with legal counsel [Pending Litigation Government Code Section 54956.9] Malaga v. CVRWQCB et al. MCV071280.

The Board reconvened in open session at 8:03, attorney Slater reported that there was no reportable action.

16. Adjournment: 8:04pm

Motion by: VP Sal Cerrillo, Second by: Director Frank Cerrillo, approved unanimously.

Jim Anderson

From: ACWA Region Elections <regionelections@acwa.com>
Sent: Monday, May 01, 2017 3:13 PM
To: ACWA Region Elections
Subject: ACWA - Region 6 Call for Candidates



MEMORANDUM

Date: May 1, 2017

To: ACWA REGION 6 MEMBER AGENCY PRESIDENTS AND GENERAL MANAGERS
(sent via e-mail)

From: ACWA REGION 6 NOMINATING COMMITTEE
Jeff Bryant, Firebaugh Canal Water District
Gary Serrato, Fresno Irrigation District
Ara Azhderian, San Luis & Delta - Mendota Water Authority

The Region 6 Nominating Committee is looking for ACWA members who are interested in leading the direction of ACWA Region 6 for the 2018-2019 term. The Nominating Committee is currently seeking candidates for the Region 6 Board, which is comprised of Chair, Vice Chair and up to five Board Member positions.

The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 6 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 6. The members of the Region 6 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members and serve as a key role in ACWA's grassroots outreach efforts.

If you, or someone within your agency, are interested in serving in a leadership role within ACWA by becoming a Region 6 Board Member, please familiarize yourself with the Role of the Regions and Responsibilities; the Election Timeline; and the [Region 6 Rules and Regulations](#) and complete the following steps:

- **Complete the attached Region Board Candidate Nomination Form [HERE](#)**
- **Obtain a Resolution of Support from your agency's Board of Directors (Sample Resolution [HERE](#))**
- **Submit the requested information to ACWA as indicated by [Friday, June 30, 2017](#)**

The Region 6 Nominating Committee will announce their recommended slate by July 31, 2017. On August 1, 2017 the election will begin with ballots sent to General Managers and Board Presidents. One ballot per agency will be counted. The election will be completed on September 29, 2017. On October 5, 2017, election results will be announced. The newly elected Region 6 Board Members will begin their two-year term of service on January 1, 2017.

If you have any questions, please contact Regional Affairs Representative Michael Cervantes at michaelc@acwa.com or (916) 441-4545.