



**REVISED**  
**AGENDA**

**WATER RESOURCES COMMITTEE**  
**Santa Fe Irrigation District**

**Thursday, June 6, 2019**

**8:00 a.m.\***

*Please note time change*

Held at the Santa Fe Irrigation District  
5920 Linea de Cielo, Rancho Santa Fe, CA 92067

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**CALL MEETING TO ORDER**

**ORAL COMMUNICATIONS**

*Opportunity for members of the public to address the Committee (Government Code Section 54954.3) Individuals may address the Committee regarding items not appearing on the posted agenda, which are within the subject matter jurisdiction of the Board, at any time. Comments and inquiries pertaining to items listed on the agenda will be received during the deliberation of the agenda item. Speakers are asked to state their name, address, and topic, and to observe a time limit of three (3) minutes each. Members of the public desiring to address the Committee are asked to complete a speaker's card, available at the table near the entrance and present it to the Board Secretary prior to the start of the meeting.*

**ACTION AND DISCUSSION ITEMS**

1. Approval of April 4, 2019 Meeting Minutes (pages 3-5)
2. Consider Approval of Sole Source Negotiations with Andritz Separations Technologies, Inc. for new centrifuge equipment for the Mechanical Dewatering Improvements Project J-1752 (pages 6-12)
3. Consider Approval of One-Year Sole Source Agreement with California Aluminum Chemical Enterprises, Inc. for Aluminum Chlorohydrate Coagulant (pages 13-14)
4. Notice of Completion for the Automated Metering Program Phase 4 Project J-1900 (pages 15- 19)
5. Consider Canceling July 4, 2019 Water Resources Committee Meeting (page 20)
6. Consider Executing Purchase Contract for Vacuum Excavator

**REPORTS**

7. FY19 Capital Improvement Projects Status Report (verbal)

8. Engineering Services Manager's Report (verbal)
9. Operations Manager's Report (verbal)
10. General Manager's Report (verbal)
11. Committee Members' Comments (verbal)

**INFORMATION ITEMS – None**

**ADJOURN**

Next Scheduled Water Resources Committee meeting: *Thursday, August 1, 2019 at 9:00 a.m.*

**MINUTES  
SANTA FE IRRIGATION DISTRICT  
WATER RESOURCES COMMITTEE**

April 4, 2019  
Santa Fe Irrigation District  
5920 Linea del Cielo, Rancho Santa Fe, CA 92067

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**PRESENT:** Chairman Andy Menshek, Director Marlene King, General Manager Al Lau, Executive Assistant Kim Johnson, Administrative Services Manager Seth Gates, Engineering Services Manager Bill Hunter, Chief Treatment Operator Elijah Standing Warrior, and Associate Civil Engineer Marissa Potter were present. Also present were Scott Goldman, Woodard and Curran, and Shane Trussell, Trussell Technologies.

Chairman Menshek called the meeting to order at 9:00 a.m.

**ORAL COMMUNICATIONS - None**

**ACTION AND DISCUSSION ITEMS:**

1. APPROVAL OF MARCH 7, 2019 MEETING MINUTES

Director King requested a correction to the minutes, Item 3, noting that the agency referenced should be Department of Fish and Wildlife.

The Committee approved the minutes as amended.

2. OVERVIEW OF THE RECYCLED WATER EXPANSION PLAN

ESM Hunter introduced the item and introduced Scott Goldman, Woodard and Curran, who utilized a PowerPoint presentation to provide an overview of the Plan. Mr. Goldman introduced Shane Trussell, Trussell Technologies, who was a contributor to the Plan.

ESM Hunter and Mr. Goldman responded to questions from the Committee.

After discussion, the Committee directed staff to forward the item for full Board consideration at their regular April meeting.

3. REVIEW DRAFT FISCAL YEAR 2020 CAPITAL IMPROVEMENT BUDGET AND DRAFT UPDATED 10 YEAR CAPITAL IMPROVEMENT PROGRAM

ESM Hunter presented the item and responded to questions from the Committee. After discussion, the Committee agreed to include the budget in the FY20 District budget.

4. REVIEW DRAFT FISCAL YEAR 2020 CAPITAL ACQUISITION BUDGET

ASM Gates presented the item and responded to questions from the Committee. After discussion, the Committee agreed to include the items requested in the full FY20 District budget for Board consideration.

5. CONSIDER EXECUTING PURCHASE CONTRACT FOR CASE BACKHOE LOADER AND FLEET VEHICLES

ASM Gates presented the item and responded questions from the Committee. After discussion, the Committee concurred with staff's recommendation for Board approval and directed staff to move the item forward for full Board consideration at their regular April meeting as a Consent item.

6. CONSIDER AMENDMENT NO. 8 TO THE PROFESSIONAL SERVICES AGREEMENT WITH KLEINFELDER, INC. FOR SEPARATION OF THE DESIGN PACKAGE FOR JOINT FACILITIES IMPROVEMENTS

ESM Hunter presented the item and responded to questions from the Committee. After discussion, the Committee concurred with staff's recommendation for Board approval and directed staff to move the item forward for full Board consideration at their regular April meeting as a Consent item.

7. CONSIDER APPROVAL OF AN ENCROACHMENT PERMIT ACROSS A DISTRICT WATER MAIN WITHIN A PUBLIC UTILITY EASEMENT ON APN 268-070-12

ACE Potter presented the item and responded to questions from the Committee. After discussion, the Committee concurred with staff's recommendation for Board approval and directed staff to move the item forward for full Board consideration at their regular April meeting as a Consent item.

8. CONSIDER ADOPTION OF AMENDED LOCAL GUIDELINES FOR IMPLEMENTING THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

ACE Potter presented the item and responded to questions from the Committee. After discussion, the Committee concurred with staff's recommendation for Board approval and directed staff to move the item forward for full Board consideration at their regular April meeting as a Consent item.

9. CONSIDER A MOU ALLOWING SDWD TO SERVE WATER TO A SAN ELIJO LAGOON RESTORATION PROJECT PARTIALLY LOCATED WITHIN SFID'S SERVICE AREA

AGM Hunter presented the item and responded to questions from the Committee. After discussion, the Committee concurred with staff's recommendation for Board approval and

directed staff to move the item forward for full Board consideration at their regular April meeting as a Consent item.

## **REPORTS**

### **10. FY19 CAPITAL IMPROVEMENT PROJECTS STATUS REPORT**

ESM Hunter provided a status update on current projects and responded to questions from the Committee.

11. **ENGINEERING SERVICES MANAGER’S REPORT** – ESM Hunter reported that the review of the 2015 Urban Water Management Plan was due in FY20; however, the Department of Water Resources is behind on issuing guidelines, therefore, the UWMP will likely be due in FY21.

12. **OPERATIONS MANAGER’S REPORT** - CTO Standing Warrior reported on Lake levels and rainfall yield during the recent storms.

13. **GENERAL MANAGER’S REPORT** - GM Lau utilized a PowerPoint presentation to provide an overview of regional water supply conditions and reported on recent meetings with the City of San Diego and San Diego County Water Authority regarding Lake Hodges Dam and potential actions related to dam levels.

14. **COMMITTEE MEMBERS’ COMMENTS** – None

## **INFORMATION ITEMS – None**

## **ADJOURN**

Chairman Menshek adjourned the meeting at 10:58 a.m.

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Andy Menshek, Chairman

DATE: June 6, 2019

TO: Water Resources Committee

FROM: General Manager

SUBJECT: **Consider Approval of Sole Source Negotiations with Andritz Separations Technologies, Inc. for new centrifuge equipment for the Mechanical Dewatering Improvements Project J-1752**

**RECOMMENDATION:**

It is the Staff recommendation that the Water Resources Committee:

1. Recommend the Board of Directors approve the sole source of the Andritz Centrifuge System and authorize the General Manager to sign a Letter of Intent and Mutual Understanding with Andritz Separation Technologies Inc., as a specified sole source manufacturer to be included in the Mechanical Dewatering Improvements Project J-1752 construction contract bid documents and specifications, for new centrifuge equipment for the negotiated price of \$425,613, and;
2. Discuss and take other action as appropriate.

**DISCUSSION:**

The Santa Fe Irrigation District (District) is currently finalizing the construction bid package for the Mechanical Dewatering Improvements Project J-1752 (Mechanical Dewatering Project). The Mechanical Dewatering Project generally includes the modification of the existing gravity thickener and centrifuge to enhance performance, the addition of a new gravity thickener and centrifuge to provide redundancy, a new centrifuge building, and the addition of a sludge holding tank to enhance the efficiency of the dewatering operation.

The existing dewatering facilities at the R.E. Badger Filtration Plant consist of one centrifuge manufactured by Andritz Separation Technologies (Andritz). The existing Andritz centrifuge was installed in 2002 and all mechanical and controls components were refurbished in 2015. The comprehensive refurbishment substantially improved reliability and extended the useful life of the existing centrifuge equipment.

There are various centrifuge manufacturers that regularly compete with Andritz to provide equipment for applications similar to the dewatering activities at the R.E. Badger Filtration plant. Based on the District design engineer's cost estimating data base, and other related information, the cost of Andritz equipment is similar to the cost of their competitors. The ability to reuse the existing refurbished Andritz centrifuge provides the District with a significant cost savings over the purchase of a new centrifuge. Therefore, the Mechanical Dewatering Project includes relocation of the existing Andritz centrifuge to the new centrifuge dewatering building.

The new centrifuge building will also house one new centrifuge along with the relocation an existing centrifuge. The existing Andritz centrifuge has performed reliably for several years. In addition to proven reliability, having the new centrifuge equipment be of the same manufacturer as the existing equipment provides multiple operation and maintenance advantages including:

- Streamlined start-up, commissioning, and training for the centrifuge equipment
- Parts will be similar for equipment from a single manufacturer,
- Operation and Maintenance manuals and future support services would be from a single manufacturer.
- District O&M staff are already familiar with the operation and maintenance of the equipment.

All of the above advantages will save both time and costs during the construction and future operation and maintenance of the facilities.

Therefore, the design of the new centrifuge facility was based on similar Andritz equipment, and it is recommended that the new centrifuge, and other directly related support equipment and services, be procured sole source from Andritz.

The recommended sole sourced procurement approach is to pre-negotiate a purchase price from Andritz that would be included in the Mechanical Dewatering Project bid documents. Ultimately, the prime contractor will be responsible for purchasing the centrifuge equipment directly from Andritz at the price that was pre-negotiated by the District. A Letter of Intent and Mutual Understanding between the District and Andritz will be included in the bid documents along with a detailed description of the pre-negotiated components. The prime contractor would be required to fully coordinate with Andritz, and install all of the components in accordance with the plans and specifications, as they would in a typical construction contract.

District Staff spent several weeks negotiating an equipment purchase price with Andritz. The following summarizes the negotiation approach used by Staff.

- Andritz had previously provided the District's Design Engineer with a detailed quote during the preparation of the Engineer's final March 2019 Engineer's construction cost estimate. This information was used to compare the final quote from Andritz.
- Upon completion of the final design, the final design plans and specifications were used as the basis for negotiation with Andritz.
- In April 2019, District Staff contacted Andritz and requested a firm quote for the equipment, materials, and services required for the Mechanical Dewatering Project.
- District Staff also requested that Andritz provide references, including costs for equipment provided, for similar installations using Andritz equipment.

Following careful consideration of all of the information assessed during the negotiation process, District Staff has determined that the firm \$425,613 quote from Andritz is reasonably priced based on the following findings:

- The Andritz quote is less than the amount provided to the Engineer for use in the Engineer’s Estimate. The equipment to be provided by Andritz includes one new centrifuge, two relatively short 9-foot integral scroll conveyors inside the centrifuge building, and associated start-up services. Table 1 compares the Engineer’s Estimate and firm Andritz quote.

<b>Table 1</b>			
<b>Comparison of Andritz Firm Quote with the Engineer’s Construction Estimate</b>			
<b>Materials Costs Are Complete with Freight and Tax</b>			
<b>Source</b>	<b>One New Centrifuge with One Conveyor</b>	<b>One New Conveyor for Exist. Centrifuge Inside Building</b>	<b>Manufacturer’s Support Services During for Exist. Centrifuge during Construction</b>
<b>Engineer’s Final Construction Cost Estimate</b>	<b>\$428,415</b>	<b>\$0</b>	<b>\$16,000</b>
<b>ANDRITZ Quote</b>	<b>\$385,613</b>	<b>\$27,000</b>	<b>\$13,000</b>

- Table 2 provides actual costs for similar sized centrifuges purchased by other Public Agencies. Both of the projects shown in Table 2 were competitively bid. The cost for the representative project constructed in 2015 is substantially lower than the current quote. According to Andritz, in addition to inflation, there was a significant increase in materials costs between 2015 and 2017. The cost for the project bid in 2017 are 4% lower than the recent estimate and can be attributed to inflation.

<b>Table 2</b>			
<b>Comparison of Proposed Cost With Other Similar Purchases</b>			
<b>Materials Costs Are Complete with Freight and Tax</b>			
<b>Agency</b>	<b>Installation</b>	<b>One New Centrifuge</b>	<b>Adjusted to 2019 Dollars</b>
<b>Shamokin Coal Township Joint Sewer Authority, PA</b>	<b>2015</b>	<b>\$312,000</b>	<b>\$344,217.64</b>
<b>Mansfield WWTP, Ohio</b>	<b>2017</b>	<b>\$369,500</b>	<b>\$385,191.66</b>
<b>Andritz Quote For The District’s Mechanical Dewatering Project</b>	<b>2019</b>	<b>\$385,613</b>	<b>\$385,613</b>



The Mechanical Dewatering Project schedule is as follows:

- July 1, 2019 - Advertise for Bids on July 1
- September 5, 2019 Recommend Construction Award to Water Resources Committee
- September 19, 2019 Recommend Construction Award to Board of Directors
- October 1, 2019 Notice to Proceed to Contractor
- Construction Period Between October 1, 2019 – October 1, 2021

In order to accommodate the overall construction schedule, it is anticipated that the new centrifuge equipment will be delivered in 2020. Andritz has agreed to terms that it will meet the established construction schedule. The Letter of Intent and Mutual Understanding establishes that the price for the Andritz equipment and services will be held through November 30, 2019. This will accommodate the construction schedule through delivery and startup.

According to the District's Administrative Code and Public Contract Code, the negotiated price to be included in the construction bid documents must be approved by the Board of Directors. Pursuant to Public Contract Code Section 3400(b) the District may make a finding that designates certain products, things, or services by specific brand or trade name. The District's Administrative Code provides that sole source procurement may be justified if the good or service is of such a unique, proprietary or technical nature that is only manufactured or provided by a single vendor, and/or the goods or services must match or be compatible with other goods or services currently in use by the District.

Consistent with Public Code, District staff has determined that the only manufacturer that can meet the District's needs is Andritz Separation Technologies Inc., for the following reasons:

- The proposed centrifuge will be similar to the District's existing centrifuge and controls and maintain compatibility with all components of the District's process.
- The District's Operation and Maintenance staff have been trained for years in the operation and maintenance practices associated with the Andritz centrifuge.

In addition, it has been determined that the proposed costs for the equipment appears fair and reasonable. Therefore, Staff recommends that the Water Resources Committee recommend the Board of Directors approve the sole source of the Andritz Centrifuge System and authorize the General Manager to sign a Letter of Intent with Andritz Separation Technologies Inc., as a specified sole source manufacturer to be included in the Mechanical Dewatering Improvements Project J-1752 construction contract bid documents and specifications, for new centrifuge equipment for the negotiated price of \$425,613.

**FISCAL IMPACT:**

The negotiated centrifuge equipment, conveyors within the centrifuge building, and manufacturer's services during construction price of \$425,613 is lower than the costs included in the engineer's

final construction cost estimate of \$6,899,000, and within the overall Capital Budget of \$9,100,000.

Attachment A: Letter of Intent and Mutual Understanding between SFID and Andritz (no attachments)

Prepared by: Marissa J. Potter, P.E., Associate Civil Engineer  
Reviewed by: William G. Hunter, P.E., Engineering Services Manager  
Reviewed by: Albert C. Lau, P.E., General Manager

Santa Fe Irrigation District



May 22, 2019

Attn: Hunter Phelan  
ANDRITZ SEPARATION TECHNOLOGIES, INC.,  
1010 Commercial Blvd S.  
Arlington, Texas 76001

Re: Letter of Intent  
Designation of ANDRITZ D5LX Centrifuge for the Mechanical Dewatering  
Improvements Project (J-1752) at the R.E. Badger Water Filtration Plant

Dear Mr. Phelan,

The purpose of this letter is to set forth the intent and mutual understanding of the Santa Fe Irrigation District ("District") and ANDRITZ SEPARATION TECHNOLOGIES, INC ("Andritz") regarding the designation and ultimate procurement of certain ANDRITZ D5LX centrifuge system and associated material for the existing centrifuge relocation ("Equipment").

The District anticipates issuing a Notice Inviting Bids to contractors for the Mechanical Dewatering Improvements and San Dieguito Dam Improvements Projects (J-1752/1753/1754) located at the R.E. Badger Water Filtration Plant ("Project") in July 2019. Andritz provided an Equipment Proposal on May 20, 2019 for the new centrifuge system and controls, and a new screw conveyor and support services for the relocation of the existing centrifuge into the new centrifuge building. The proposal is based on the specific pages of Final Project Plans and specific Specifications, which included: Specification Section 11230-Dewatering Centrifuge; Specification Section 14550-Shaftless Screw Conveyor; and reference specifications including: the Front End Construction Document, 01110, 01330, 01782, 01820, 03300, 09900, 11000, Division 26, and Division 27.

District staff has determined that the Andritz Equipment, as specified in the attached Equipment Proposal dated May 20, 2019, best meets District's needs for this Project. On June 20, 2019, District Staff intends to recommend that its Governing Board approve the sole source of Andritz Equipment for this Project as required by Public Contract Code section 3400. Thereafter, the District will specify this Equipment by name in the contract documents for the Project, which will require the successful bidder to then contract with Andritz for the Equipment based on the terms and conditions of the Equipment Proposal, specific referenced pages of the Final Mechanical Design Drawings dated March 2019, and referenced specifications.

The District anticipates that the Project bid schedule includes the following:

- Project out for construction bid July 1, 2019;

- District receives Construction Bids August 15, 2019;
- Construction Contract Award to Contractor September 19, 2019 Board of Directors meeting; and
- Construction Contract Notice to Proceed to the Contractor October 1, 2019;
- Construction Period from October 1, 2019 – October 1, 2021 with centrifuge delivery anticipated in 2020.

Andritz agrees to hold firm the terms and pricing set forth in the Equipment Proposal through November 30, 2019 with the anticipated delivery in 2020 and to offer the Equipment to potential bidders at a price no higher than those contained in the Equipment Proposal. Further, Andritz will offer the Equipment at commercially reasonable and industry standard terms. Once a purchase order has been established, prior to November 30, 2019, between the Contractor and Andritz, the price will be fixed through delivery and startup.

By its signature hereunder, Andritz understands that the construction contract is subject to approval and award of the Project by the District’s Governing Board at a future date and that nothing herein shall obligate the District to purchase the Equipment directly or award a construction contract that would result in the purchase of the Equipment by a general contractor.

Please counter-sign and return a copy of this letter to the undersigned to acknowledge your agreement with the foregoing.

Sincerely,

Al Lau, P.E.  
General Manager

**AGREED AND ACCEPTED:**  
ANDRITZ SEPARATION TECHNOLOGIES, INC

By: 

Its: Asst Treasurer

Dated: 5/23/19

Attachments: Attachment A – Andritz Equipment Proposal dated May 20, 2019  
Attachment B – Final Mechanical Design Drawings  
Attachment C – Specification Sections 11230 and 14550

DATE: June 6, 2019

TO: Water Resources Committee

FROM: General Manager

**SUBJECT: Consider Approval of One-Year Sole Source Agreement with California Aluminum Chemical Enterprises, Inc. for Aluminum Chlorohydrate Coagulant**

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**RECOMMENDATION:**

It is the Staff recommendation that the Water Resources Committee:

1. Recommend the Board of Directors approve the sole source agreement with CalChem Enterprises Inc. for a period of one-year to procure Aluminum Chlorohydrate coagulant for the R.E. Badger Filtration Plant;
2. Discuss and take other action as appropriate.

**DISCUSSION:**

The R. E. Badger Filtration Plant (Plant) utilizes a variety of chemicals in the water treatment process, with the current primary coagulant being an aluminum chlorohydrate blend, specifically CC2105 (ACH), manufactured by California Aluminum Chemical Enterprises, Inc. (CalChem). The Plant began procuring ACH as the primary coagulant in 2015 after testing different coagulant types, from different vendors, and on varying types of source water & quality (Lake Hodges water, San Diego County Water Authority, and blends thereof). ACH was selected as the primary coagulant for Plant operations based on this testing due to price and efficiency, and CalChem was selected as the only qualified bidder due to their production quality and consistency at the time of the evaluation. The current contract with CalChem expires on June 30, 2019 at a current price of \$0.264 / lb.

District Staff are requesting that a sole source with CalChem at a price of \$0.272 / lb. be approved (a 3.0% increase from the FY19 price, where the current contract allowed a 5.0% increase year-to-year) to allow for a comprehensive analysis of ACH vendors and blends be performed again. The proposed term would be for the lesser of a one-year agreement (effective July 1, 2019 to June 30, 2020) or when a new contract for ACH procurement is approved by the Board. Approval of this sole source would allow sufficient time for a testing scope to be developed for ACH blend evaluation, creation of an Invitation to Qualify for vendors, and allow for testing of coagulants during period(s) of time during FY20 that will have the most challenging water quality to determine efficacy. The outcome of this testing will ensure that the District will procure the most cost efficient ACH in the future, as measured by the total cost of primary coagulant necessary to achieve water quality objectives per million gallons of water treated. District Staff will return to

the Board with the outcome of this testing and resulting proposed ACH procurement contract at the earliest possible date & prior to the expiration of the one-year sole source contract.

**FISCAL IMPACT:**

The sole source price that CalChem has agreed to for FY20 is \$0.272 / lb. of ACH, which is an increase of 3.0% from current pricing. The Draft FY20 Budget includes an ACH procurement amount of \$480,486, which is 14.4% increase from the FY19 Budget due to the combined impacts of a projected increase in local water treatment and a 7% commodity price increase. The FY20 Budget, therefore, can accommodate the proposed sole source price increase.

Prepared by: Seth M. Gates, Administrative Services Manager  
Reviewed by: Albert C. Lau, P.E., General Manager

DATE: June 6, 2019  
TO: Water Resources Committee  
FROM: General Manager  
SUBJECT: **Notice of Completion for the Automated Metering Program Phase 4 Project J-1900**

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**RECOMMENDATION:**

It is the Staff recommendation that the Water Resources Committee:

1. Recommend the Board of Directors authorize the General Manager to File a Notice of Completion for the Automated Metering Program Phase 4 Project J-1900; and
2. Discuss and take other action as appropriate.

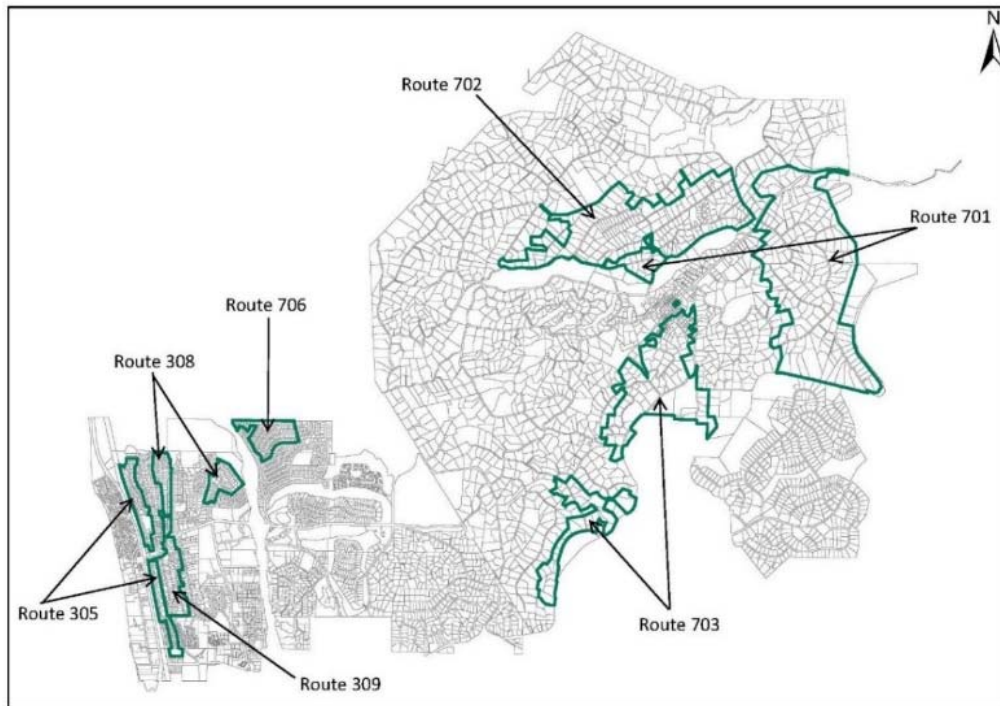
**BACKGROUND:**

The Santa Fe Irrigation District (District) relies on approximately 7,600 meters to measure and totalize potable water, recycled water, and fire flow usage for its customers. The District's 10-year Capital Improvement Plan includes a five year, six phase program to replace all of the existing manual read meters with a fixed base automated metering system. The first three phases of the program were completed within Fiscal Years (FY) 17 and 18 resulting in the following improvements:

- Replacement of 2,529 manual meters with new automated meters, transmitters, and meter box lids.
- 3 new antennae base stations and associated equipment.
- Installation of analytical automated meter data management software for District Staff use.
- Integration of the metering software with District billing software.
- Customer portal software implementation.

On October 18, 2018, the District's Board of Directors awarded a construction contract to Aqua Metric for the Automated Metering Program Phase 4 Project J-1900 (Phase 4 Project). The Phase 4 project included the replacement of approximately 1,577 manual read meters with automated meters within the routes shown on the Figure 1 on the following page.

Figure 1 Phase 4 Meter Routes



As shown on Table 1, the initial construction contract amount for Phases 4 was \$865,308.44. There has been one change order resulting in a deduction of \$-(16,769). Therefore, the final Phase 4 construction contract cost for Aqua Metric was \$848,539.44. During Phase 4 construction, it was determined that replacement of 154 meters and 170 lids would be best completed by District Staff due to various circumstances conditions at these sites. The various circumstances included sites that required more extensive piping modifications or full meter box replacements, commercial or multi-family residential sites that were replaced outside of normal work hours, and sites that were completed in conjunction with other District pipeline replacement work that also required interruption of customer’s water service.

<b>Table 1 Automated Metering Program Phase 4 Project J-1900 Change Order Summary</b>			
<b>Authorizations</b>	<b>Change Order Amount</b>	<b>Total Contract Amount</b>	<b>Purpose of Change Order</b>
<b>Original Contract</b>	-	<b>\$865,308.44</b>	
<b>Change Order 1</b>	<b>-(16,769)</b>	<b>\$848,539.44</b>	<b>Deduction for meters and lids installed by SFID Staff</b>

As of May 31, 2019, installation and commissioning of the Phase 4 meters has been completed. The completion date established in the contract is June 29, 2019. The project was successfully completed within both the project schedule and budget. Therefore, Staff recommends that the



Board of Directors authorize the General Manager to File a Notice of Completion for the Automated Metering Program Phase 4 Projects J-1900.

Attachment A provides a project cost summary including the Project’s change order history. The Notice of Completion is presented in Attachment B. Upon authorization by the Board and final acceptance by the General Manager, the Notice of Completion will be recorded with the San Diego County Recorder. Authorizing the General Manager to take final acceptance would authorize Staff to release available retention funds 35 days after the Notice of Completion is recorded, and following submittal of a complete final pay application from the Contractor. The total amount of retention funds is \$42,426.97 which is 5% of the total contract amount.

**FISCAL IMPACT:**

The total capital budget for the Automated Metering Program Phase 4 Project J-1900 is \$1,150,000. The Phase 4 total capital budget includes approximately \$1,050,000 for construction. In addition to the cost of the meter installation contractor, the construction budget included funding for SFID purchase of meter box lids, bolts and gaskets, dumpster rental, and other miscellaneous costs. The budget included a construction contingency line item, and also included funds for SFID labor and a non-construction contingency for other potential services (legal, etc.). As shown on Table 2, all elements of the project were within the established budget.

Table 2 Automated Metering Program Phase 4 Project Capital Budget Status			
Item	Capital Budget	Estimated Actual Cost	Variance
Construction*	\$1,050,000*	\$950,000*	\$100,000
Construction Contingency	\$55,000	0	\$55,000
District Labor	\$40,000	\$15,000	\$25,000
Non-Construction Contingency	\$5,000	0	\$5,000
Total	\$1,150,000	\$965,000	\$185,000
* Includes Aqua Metric Contract and SFID purchase of meter box lids, bolts and gaskets, dumpster rental, and other miscellaneous construction costs.			

Attachment A: Project Summary  
Attachment B: Notice of Completion

Prepared by: William G. Hunter, P.E. Engineering Services Manager  
Approved by: Albert C. Lau, P.E., General Manager

# ATTACHMENT A

## PROJECT SUMMARY FOR THE AUTOMATED METERING PROGRAM PHASE 4 PROJECT J-1900

### Budget Summary

Original Contract Amount:	\$ 865,308.44
Final Contract Amount:	\$ 848,539.44
Total Project Retention (5%):	\$42,426.97

### Project Schedule

Board Authorizes Contract Awarded:	October 18, 2018
Completion Date:	June 20, 2019

### Contract Change Order Summary

There was one change order on this project resulting in a deduction of in the total amount of – (\$16,769) or – (0.19) % of the baseline construction cost. A summary of the items included in the change orders is provided below.

Item	Amount	Total	Reason for Change Order	Date Approved	Percentage of Original Contract Amount
Original Contract Amount	\$865,308.44	\$865,308.44	Not Applicable	Oct. 18, 2018	n/a
Change Order 1	-\$16,769	\$848,539.44	Deduction for meters and lids installed by District Staff	May 30, 2019	-0.19%

# ATTACHMENT B

RECORDING REQUESTED BY  
AND MAIL TO:

Santa Fe Irrigation District  
5920 Linea del Cielo  
P.O. Box 409  
Rancho Santa Fe, CA 92067-0409

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NO RECORDING FEE SHALL BE CHARGED PURSUANT TO SECTION 6103 OF THE CALIFORNIA GOVERNMENT CODE

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## NOTICE OF COMPLETION (C.C.C. 3093 - PUBLIC WORKS)

NOTICE IS HEREBY GIVEN THAT:

1. The Santa Fe Irrigation District located at 5920 Linea del Cielo, P.O. Box 409, Rancho Santa Fe, CA 92067-0409, has completed a public work of improvement described as **Automated Metering Program Phase 4 Project J-1900** and accepted by the awarding authority upon the date hereof.
2. Date of completion: June 20, 2019
3. Description of work performed: Replacement of approximately 1,577 manual read water meters with automated meters.
4. The District's interest in the property in which the public work was completed is:  Fee  
 Easement/Public ROW/Statutory Franchisee  Lease.
5. The real property upon which said public work was performed was approximately 1,577 separate meter boxes located throughout the SFID service area and within the City of Solana Beach and County of San Diego. The District's administration facilities for the Automated Metering Program Phase 4 Project is **5920 Linea Del Cielo, Rancho Santa Fe California, 92067.**
6. The contractor was: **Aqua metric Sales Company (Thirkettle Corporation dba Aqua Metric Sales Company)**

### VERIFICATION

I, the undersigned, say: I am the **General Manager** of the Santa Fe Irrigation District, the declarant of the foregoing Notice of Completion; I have read said Notice of Completion and know the contents thereof, the same is true of my knowledge. I declare under penalty of perjury that the foregoing is true and correct.

Executed at \_\_\_\_\_, California, on this \_\_\_\_ day of \_\_\_\_\_, 2019.

Dated \_\_\_\_\_  
\_\_\_\_\_  
General Manager or Designee  
of the Santa Fe Irrigation District

DATE: June 6, 2019  
TO: Water Resources Committee  
FROM: General Manager  
**SUBJECT: Consider Canceling July 4, 2019 Water Resources Committee Meeting**

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## **RECOMMENDATION**

It is the Staff recommendation that the Water Resources Committee:

1. Discuss and consider canceling the July 4, 2019 Water Resources Committee meeting; and
2. Take other action as appropriate.

## **DISCUSSION**

The July Water Resources Committee meeting falls on Independence Day, a District recognized holiday.

Chairman Menshek is not available to reschedule the meeting and a quorum is required to hold a meeting. Additionally, as there are no items requiring Committee consideration at this time, staff is suggesting the Committee discuss and consider canceling the July meeting.

## **FISCAL IMPACT**

There is no fiscal impact resulting from the review of this item.

Prepared by: Kim Johnson, Executive Assistant  
Approved by: Albert C. Lau, P. E., General Manager

DATE: June 6, 2019

TO: Water Resources Committee

FROM: General Manager

**SUBJECT: Consider Executing Purchase Contract for Vacuum Excavator**

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**RECOMMENDATION:**

It is the Staff recommendation that the Water Resources Committee:

1. Recommend the Board of Directors authorize the General Manager to execute a not-to-exceed \$61,089.40 purchase order with RDO Equipment Co. for one (1) Vac-tron vacuum excavator; and
2. Discuss and take other action as appropriate.

**BACKGROUND:**

Each fiscal year, the Capital Acquisition Budget includes funding for the ongoing, regular replacement of older rolling stock in the District's fleet of vehicles, trucks, utility equipment and construction equipment. The FY19 District Budget included \$65,000 in funding for the replacement of the 500 gallon vacuum excavator, which has exceeded its useful life, with a new Vac-tron vacuum excavator / trailer (excavator).

The District is proposing to purchase the excavator through Sourcewell, formally National Joint Powers Alliance, which is a public agency serving various government, education, and non-profit agencies across the country with competitively solicited cooperative contracts for a number of different goods. This option enables the District to reduce procurement time and costs, allow for the most competitive prices based on economies of scale, and comply with California Government Code. Staff recommends procuring the vehicle through Sourcewell as other common procurement vehicles, such as the California Multiple Award Schedule, does not allow procurement of heavy equipment, such as the excavator.

Sourcewell has approved Vermeer Corporation (Vermeer), for nationwide specialized pipeline and utility equipment procurement. Vermeer will provide a Vac-tron model LP573SGT through its local authorized vendor, RDO Equipment Co., located in Lakeside, California for a not-to-exceed amount of \$61,089.40. The following summarizes staff's requested equipment, approved budgeted amount, and requested authorization:

<b>Supplier / Order</b>	<b>FY19 Budget</b>	<b>Cost / Authorization</b>
RDO Equipment / Vac-tron model LP573SGT	\$65,000.00	\$61,089.40



**FISCAL IMPACT:**

The FY19 Capital Acquisition Budget has sufficient funds, \$65,000, for the purchase of the Vac-tron vacuum excavator. Staff is requesting authorization to execute the purchase order with RDO Equipment totaling \$61,089.40. The replaced excavator will be disposed of via auction with TNT Auction Inc. located in Ramona, CA & proceeds will be deposited with the District.

Attachment A: RDO Equipment cost proposal

Prepared by: Guillermo Preciado, Purchasing and Maintenance Coordinator  
Reviewed by: Seth Gates, Administrative Services Manager  
Approved by: Albert C. Lau, P.E., General Manager

