



AGENDA

SANTA FE IRRIGATION DISTRICT WATER RESOURCES COMMITTEE

**Thursday, February 2, 2017
9:30 a.m.**

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

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. Appointment of Committee Chair (page 3)
2. Approval of December 7, 2016 Meeting Minutes (pages 4-6)
3. Review of Water Resources Committee Charter and 2017 Major Activities (pages 7-8)
4. Consider Filing of Notice of Completion for the Group 3 Pressure Reducing Stations Project (J-1501) (page 9-13)

REPORTS

5. FY17 Capital Improvement Projects Status Report (oral)
6. Engineering Services Manager's Report (oral)
7. Operations Manager's Report (oral)
8. General Manager's Report (oral)

9. Committee Members' Comments (oral)

INFORMATION ITEMS - None

ADJOURN

Next Water Resources Committee meeting: *Thursday, March 2, 2017 at 9:30 a.m.*

DATE: February 2, 2017
TO: Water Resources Committee
FROM: General Manager
SUBJECT: Appointment of Committee Chair

RECOMMENDATION:

It is the Staff recommendation that the Water Resources Committee:

1. Consider the appointment of a Committee Chair; and
2. Take other action as appropriate.

DISCUSSION:

As a result of changes in this committee's membership it is appropriate to consider the selection of a new Chairperson. Committee members may select and vote on a Chairperson.

FISCAL IMPACT:

There is no fiscal impact associated with this action.

Prepared by: Kim Johnson, Executive Assistant
Approved by: Michael J. Bardin, General Manager

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

December 7, 2016
Santa Fe Irrigation District
5920 Linea del Cielo, Rancho Santa Fe, CA 92067

PRESENT: President Michael Hogan, Director Marlene King, General Manager Michael Bardin, Executive Assistant Kim Johnson, Engineering Services Manager Bill Hunter, Operations Manager Cor Shaffer, and Associate Civil Engineer Marissa Potter were present.

President Hogan called the meeting to order at 10:00 a.m.

ORAL COMMUNICATIONS

None.

ACTION AND DISCUSSION ITEMS:

1. APPROVAL OF NOVEMBER 3, 2016

Director King requested a grammatical edit to the WRC minutes, Item 2, second paragraph, third line, noting it should read "asked" rather than ask. The Committee approved the minutes as revised.

REPORTS

2. FY17 CAPITAL IMPROVEMENT PROJECTS STATUS REPORT

Engineering Services Manager Hunter provided a status report on the current projects and responded to questions from the Committee.

3. ENGINEERING SERVICES MANAGER'S REPORT – No further comments

4. OPERATIONS MANAGER'S REPORT

Operations Manager Shaffer reported on the following:

- The R. E. Badger Water Filtration Plant is offline and treated imported water is being used as a result of the electrical system upgrade project.
- State regulations now require additional lead and copper sampling for K-12 schools. The District will work with schools within our district if additional sampling is required.

5. GENERAL MANAGER'S REPORT – General Manager Bardin reported on the following:

- The November 30, 2016 Public Review Draft of *Making Water Conservation a California Way of Life Implementing Executive Order B-37-16*, noting this item is a discussion item for the Board at their meeting on December 15, 2016.
- He attended ACWA Conference, November 30 – December 2, 2016. Topics discussed included:
 - State Water Use Efficiency Regulations
 - Groundwater Regulations
 - ACWA has rebranded – new logo – *ACWA - Bringing Water Together*
- He attended a Stakeholders meeting on Monday, December 5 for Encina Wastewater Authority's Potable Reuse Feasibility Study, noting the District plans to be an active participant in this effort.
- He continues to meet with RSF Golf Course and RSF Community Services District regarding the Recycled Water project.
- He continues to work with San Dieguito Water District and the SDCWA regarding a Lake Hodges Local Water Sales and Transfer Agreement.

6. COMMITTEE MEMBERS' COMMENTS

Director King commented she appreciated the opportunity to serve on the Water Resources Committee and she wished all the rate payers could see this particular Committee in action because they would then have the insight that their money is being spent well, thoughtfully, and carefully.

President Hogan commented that he is interested in increasing public awareness/education and that the opportunity to consider this effort can be discussed by the Board at upcoming budget discussions. He also requested that information regarding the Governor's Executive Order and resulting reports and actions be added to the District's webpage for the public's information.

INFORMATION ITEMS

7. LETTER FROM ISO, PUBLIC PROTECTION CLASSIFICATION, DATED NOVEMBER 21, 2016

This was provided for the Committee's information only. No action was requested or required of the Committee.

ADJOURN

Chairman Hogan adjourned the meeting at 11:12 a.m.

Michael T. Hogan, Chairman

Next Water Resources Committee meeting: *February 2, 2017 @ 9:30 a.m.*

DATE: February 2, 2017

TO: Water Resources Committee

FROM: General Manager

SUBJECT: Review of Water Resources Committee Charter and 2017 Major Activities

RECOMMENDATION:

It is the Staff recommendation that the Water Resources Committee:

1. Review and discuss the Committee charter; and
2. Review and discuss the anticipated activities for 2017; and
3. Take other action as appropriate.

BACKGROUND:

With the start of the new year and changes to the committee's membership, staff is providing an overview of this committee's charter and the activities that may be considered over the coming year. Each standing committee's role and charter is defined in the Administrative Code. The Water Resource Committee charter is defined in *Article 4 - Organization* as follows:

"This committee shall work with the General Manager and other officers of the District on water resource and facility planning. The committee will review matters related to engineering and operations, and the District's long range capital improvement plans. This committee shall also work with the General Manager on right-of-way and real property matters."

In the past, this committee has meet regularly, on a monthly basis to review and discuss topics and recommendations prior to Board consideration in the following areas:

- Engineering
- Operations
- Water Supply/Planning
- Facilities Planning

Looking ahead during 2017, the anticipated major activities that the Water Resources Committee will review and consider include the following:

- Capital Improvement Program (CIP) Implementation
 - Completion of construction of Joint Facilities projects

- Electrical Distribution and Substation Improvement Project
 - San Dieguito Pump Station Replacement Project
 - Chlorine Dioxide Generator/PACL Feed System Improvement Project
 - Project engineering design and planning
 - Mechanical Dewatering and Filter Washwater Improvements
 - Clear well Seismic Improvements
 - Washwater Tank Seismic Improvements
 - FY18 CIP Budget Development
- Water supply development
 - Proposed RSF Golf Club Recycled Water Project
 - Western Service area recycled water service in-fill projects
 - Conceptual Indirect Potable Reuse Project
- Lake Hodges and watershed projects (regional water quality improvement projects)
 - Natural Treatment System
 - Pure Oxygen Lake Mixing System
- Administrative Code/Policy Updates
 - Recycled Water Rules and Regulations
 - Fire Meters & Sprinklers Rules and Regulations

This information is provided for the Committee's review and discussion. Staff is prepared to discuss these items or respond to questions Committee members may have.

FISCAL IMPACT:

There is no direct fiscal impact associated with the review of this matter.

Prepared by: Kim Johnson, Executive Assistant
 Approved by: Michael J. Bardin, General Manager

DATE: February 2, 2017
TO: Water Resources Committee
FROM: General Manager
SUBJECT: Consider Filing Notice of Completion for the Group 3 Pressure Reducing Stations Project (J-1501)

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 Group 3 Pressure Reducing Stations Project; and
2. Discuss and take other action as appropriate.

DISCUSSION:

On February 18, 2016, the Board of Directors approved a contract with CCL Contracting, Inc., (CCL) for the construction of the Group 3 Pressure Reducing Stations (PRSs) Project (the Project). The Project included the replacement of 4 aging PRSs with 4 new PRSs, the elimination (with no replacement) of 4 aging PRSs that had become obsolete due to various system improvements, and removal of 3 old and inactive vaults. The Project also included the upsizing of 2,200 feet of aging 6-inch and 8-inch diameter pipeline within Ida Avenue and Academy Drive in Solana Beach with a new 10-inch line, and the replacement 700 of feet of aging 8-inch pipeline on Genevieve with a new 10-inch pipeline. Upsizing the pipeline facilitated elimination of one of the PRSs while at the same time replacing aging infrastructure.

The initial construction contract amount was \$2,949,400. As shown on Table 1 below, the project required six Change Orders totaling \$118,949 (approximately 4% of the initial contract amount) bringing the total final construction cost is \$3,068,349. The work associated with Change Order No. 1, for \$34,986, was not initially included in the project and was added to relocate an 8-inch SFID water main that conflicted with a County of San Diego Storm Drain Relocation construction project. The remaining change orders were required to address unforeseen field conditions. As shown in Change Order No. 2, under circumstances where the scope of work was reduced, a change order deduct was negotiated. The project budget assumes the potential for change orders and the final construction cost is within the established budget.

Table 1 Group 3 PRS Project J-1501 Change Order Summary Through February 16, 2017		
Authorizations	Amount	Total Contract Amount
Original Contract	\$2,949,400	\$2,949,400
Change Order 1	\$34,986.00	\$2,984,386
Change Order 2	-\$6,476.00	\$2,977,910
Change Order 3	\$17,907.00	\$2,995,817
Change Order 4	\$31,433.00	\$3,027,250
Change Order 5	\$34,265.00	\$3,061,515
Change Order 6	\$6,834.00	\$3,068,349
Total Of All Change Orders	\$118,949.00	

The project is nearly complete. The only work remaining is the integration of field mounted monitoring devices and instrumentation with the District's Supervisory Control and Data Acquisition (SCADA) system. The Project is expected to be completed by February 16, 2017. This is ahead of the contract completion date of April 4, 2017.

The SFID Board of Directors meeting is on February 16, 2017. Since the project is expected to be completed by February 16, 2017, it is recommended that the Water Resources Committee recommend the Board of Directors consider acceptance of the project and authorization of Staff to file a Notice of Completion. Attachment A provides a project cost summary including the project's change order history. The Notice of Completion is presented as Attachment B.

FISCAL IMPACT:

The total capital estimate for the Group 3 PRS Project is \$5.0 million. The total capital cost included approximately \$3,850,000 for construction. The actual final construction cost of \$3,068,349.00 was within the established budget.

Final acceptance by the Board would authorize the release of approximately \$153,417 in retention funds 35 days after the Notice of Completion has been recorded with the San Diego County Recorder. This would occur if no stop notices are received and following the submittal of a complete final payment application.

- Attachment A: Draft Project Summary
- Attachment B: Draft Notice of Completion

Prepared by: Marissa J. Potter, Associate Civil Engineer
 Reviewed by: William G. Hunter, Engineering Services Manager
 Approved by: Michael J. Bardin, General Manager

ATTACHMENT A

PROJECT SUMMARY FOR THE GROUP 3 PRESSURE REDUCING STATIONS PROJECT (J-1501)

Budget Summary

Original Contract Amount:	\$ 2,949,400.00
Final Contract Amount:	\$ 3,068,349.00
Total Project Retention (5%):	\$ 153,417.45

Project Schedule

Contract Award Date:	February 22, 2016
Notice of Completion Date:	February 16, 2017

Contract Change Order Summary

There were 6 change orders on this project in the amount of \$118,949, or 4.0 % 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	\$2,949,400	\$2,949,400	Not Applicable	2/18/16	n/a
Change Order 1	\$34,986	\$2,984,386	Relocation of 8-in AC water main on El Camino Real required by County of San Diego by September 1, 2016.	6/24/16	1.19%
Change Order 2	- \$6,476	\$2,977,910	Additional work required to accommodate a variety of activities, including: <ul style="list-style-type: none"> • Credit for elimination of the highline; • Additional in-line valve; • Additional retaining walls required around 2 fire hydrants; and • Additional excavation during construction to accommodate unforeseen field conditions. 	8/19/16	-0.22%
Change Order 3	\$17,907	\$2,995,817	Additional work required to abandon and install new 2-in domestic water service and on-site piping not originally part of the project scope of work.	10/5/16	0.61%
Change Order 4	\$31,433	\$3,027,250	Additional work required to accommodate a variety of activities, including: <ul style="list-style-type: none"> • Additional backflow required on 2-in service; • During the abandonment of the vault on Via De Fortuna, a 2-in plastic service was discovered and relocated; • Additional air release valve along Lomas Santa Fe to replace an 	11/11/16	1.07%

Item	Amount	Total	Reason for Change Order	Date Approved	Percentage of Original Contract Amount
			<p>existing discovered during excavation; and,</p> <ul style="list-style-type: none"> • Unforeseen removal of concrete encasement required for removal of PRS 340-3. 		
Change Order 5	\$34,265	\$3,061,515	<p>Additional work required to accommodate a variety of activities, including:</p> <ul style="list-style-type: none"> • Removal and replacement of 16-in unforeseen steel pipeline and fittings to existing 20-in pipe connection; • Additionally potholing required location of 10-in water main on El Viento; and, • Additional removal of concrete encasement for 16-in valve replacement at the Larrick Reservoir. 	12/14/16	1.16%
Change Order 6	\$6,834	\$3,068,349	Rerouting of electrical conduit to avoid utility conflict for PRS 440-1 and steel pipe repair within existing 202 Zone vault at Larrick.	1/26/17	0.23%
TOTAL					4.03%

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

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

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 **Group 3 PRS Project (J-1501)** and accepted by the awarding authority upon the date hereof.
2. Date of completion: February 16, 2017
3. Description of work performed: Replacement of 4 aging Pressure Reducing Stations (PRSs) with 4 new PRSs, the elimination (with no replacement) of 4 aging PRSs that had become obsolete due to various system improvements, and removal of 3 old and inactive vaults. Upsizing of 2,200 feet of aging 6-inch and 8-inch diameter pipeline within Ida Avenue and Academy Drive in Solana Beach with a new 10-inch line, and the replacement 700 of feet of aging 8-inch pipeline on Genevieve in Solana Beach with a new 10-inch pipeline.
4. The District's interest in the property in which the public work was completed is: Fee Easement/
Public ROW/Statutory Fanchise Lease.
5. The real property upon which said public work was performed was in County of San Diego and City of Solana Beach public right-of-ways and easements. Pressure reducing station work occurred in various location within the SFID service area. Specific pipeline replacement work occurred along Ida Avenue and Academy Drive in Solana Beach.
6. The contractor was: **CCL Constructors, Inc.**

Dated _____
General Manager or Designee
of Santa Fe Irrigation District

VERIFICATION

I, the undersigned, say: I am the _____ 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 _____, 2017.