

**MINUTES FOR THE DECEMBER 11, 2018  
REGULAR MEETING OF THE SSJID BOARD OF DIRECTORS**

The Board of Directors of the South San Joaquin Irrigation District met in regular session in the District Boardroom at 9:00 a.m. President Kuil called the meeting to order and Director Holbrook led the flag salute. Upon roll-call the following members were noted present:

DIRECTORS: HOLBROOK HOLMES KAMPER KUIL ROOS  
ABSENT: NONE

Also present were General Manager, Peter M. Rietkerk; General Counsel, Mia Brown; Engineering Department Manager, Forrest Killingsworth, and Clerk of the Board, Betty Garcia.

Director Kuil stated that the Boardroom décor was outstanding; much more beautiful than he imagined. He praised staff and thanked everyone involved in the remodel of the Boardroom.

**Public Comment** - None

**CONSENT CALENDAR**

- A. Approval of Warrants in the amount of \$1,334,519.39; Accounts Payable Wires in the amount of \$447,644.82; and payroll dated November 23 in the amount of \$212,283.06; and payroll dated December 7 in the amount of \$227,872.98.
- B. Approval of the regular Board Meeting Minutes of November 13, 2018.
- C. Acceptance of new easements for the “Qk – Qn” pipeline.
- D. Consent to SSJID’s Entry of Property to read and to maintain flow meter for DeCosta Family Trust, APN 228-040-08.
- E. Renew Professional Services Agreement with Steve Emrick for consulting services.

A motion was made by Director Roos and seconded by Director Holbrook to approve the Consent Calendar as submitted. The motion passed 5 to 0 by the following roll-call vote:

AYES: HOLBROOK HOLMES KAMPER KUIL ROOS  
NOES: NONE  
ABSTAIN: NONE  
ABSENT: NONE

**COMMUNICATIONS**

Director Roos

- He attended the TriDam Advisory meeting and stated that the budget for this year is bigger than the numbers for last year’s budget.

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Director Holbrook

- He attended a San Joaquin Farm Bureau meeting and the main topic of discussion was regarding the Nutria and how this agricultural pest destroys wetlands and weakens water infrastructure. He said the Nutria is often times confused with the beaver and muskrat, however, they have distinguishing characteristics: white whiskers, round, rat-like tail, dark black ears with lighter-colored fur below, large block head, often with orange teeth, a body length up to 24 inches, weighs up to 22 pounds, and has partially webbed hind feet.

Director Kamper

- He and his wife Judy served at the Senior Breakfast in Manteca. He was able to speak and was well received by the crowd and they are all appreciative of SSJID.
- He participated in the Joint Supply tour with the geologist and would like to see this item put on the January board meeting agenda for discussion.

Director Kuil

- Attended the Tri-Dam Advisory Committee meeting with Director Roos.

Ed Erisman, Water Treatment Plant Manager

- California Department of Environmental Health will be conducting their annual inspection of the WTP next Tuesday.
- Staff is working with Suez (new owner of Zenon) to establish pricing for replacement filter modules. There are still too many unanswered questions to bring a proposal to the Board but he hopes to have something for the January board meeting.
- There is a tracking problem with North West solar array. Water Treatment Plant staff have disassembled and cleaned the gear drive and have ordered replacement parts. The problem should be fixed before Christmas.

Bere Lindley, Assistant General Manager

- He and Sarah watched a 4-hour webinar on new GASB standards. He said there are a total of 15 new standards. GASB 75 reforms OPEB accounting. Some of the District's accounting procedures may need to be changed in order to be in compliance. The District made a \$411,000 payment on the unfunded OPEB liability to PERS and now OPEB is fully funded.
- Strengths Finder by Gallup will be rolled out to all SSJID employees to complete a survey that will help find their top 5 themes or strengths.
- He and Sarah viewed another webinar that reviewed different strategies to pay down pension unfunded liabilities.
- The Accounting group will be taking on new 19 projects, including implementing a rolling 30-day cash forecast to enable us to reduce the amount of uninvested cash; issuing requests for proposals for banking services; and updating the Springbrook program from a locally hosted system to an online system.

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- Rosie Gentry has made staff aware of her retirement in the next 1 ½ years. Finance and accounting will coordinate a review of our payroll system and processes with her remaining work schedule.
- Maria Gikas is working on upgrading and standardizing fixed assets accounting.

Troylene Saylor, Public Relations Director

- She thanked the Board of Directors for granting additional time off during the holidays in order for staff to spend time with their families.

Frank Avila, Irrigation Operations Manager

Water/Maintenance Department

- Staff has started the construction projects for this winter season.
- He said that Joe Lourenco is sorely missed on our Shotcrete crew. He is out due to an illness and all of the staff are hoping that he has a speedy recovery. Joe's leadership and direction made the Shotcrete work look seamless.
- The Shotcrete crew, under the leadership of Travis Shahan, is improving each day; they are producing good work, and are approximately 65% completed with the R-ditch project.
- Facility cement crew, in charge of the construction of head walls for the K-Line and the RQ divide, are also progressing very well.
- Staff started with the K-Line hoping that it would be complete before it rained in the area. They were able to accomplish this goal, the construction work is 100% complete. The only other work left is the installation of the automation equipment that the Control Room crew is starting to perform this week. When they are done, the Shop will finish this project by installing the box safety top.
- The facility cement crew is now working on the RQ divide. They are about 10% into this project.
- The Pipe line replacement crew is also moving along quite well. They are 100% finished with the K-70 DD line. The crew replaced 380 ft. of 36" pipe. They are also finished with replacing 300 ft. of pipe on the V-line next to the V8 box. They are finishing with the grading project this week and then will be installing the District valves next week, bringing this project to a 100% completion.
- The four float-valve projects are on schedule and moving forward nicely. The first site is at 90% completion: it just needs the float equipment to be installed. The second is 85%, the third 70%, and the last site is being excavated today in preparation for the pipe work and the box installation.
- Staff are also working at Woodward on Dam #2, repairing cracks, and performing other miscellaneous work as needed.

Shop Department Report

- The welders are finishing a trash rack and platform for the MDC at the Santa Fe Road crossing.
- Shop staff also working on a permanent platform for the new 500-gallon water tank.
- Staff is finishing up the major service work for the Division Trucks.

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- The bucket truck has been down for a major safety recall on the main basket, the repair parts are due in this week and the Department hopes to have the truck back in service after the holiday break.
- The new Reed concrete pump is due to arrive this week, it should be ready to be placed into service by December 17.
- The Shop is finalizing the specifications for the 2019 vehicle order, the bid requests will be sent out on January 7, 2019.

MDC/Telemetry Department

- Staff is extremely busy with winter maintenance projects, and in addition to these duties they will be involved with the installations of the new Slip-Meters for the K, W, and the WC lines, including the installation of the Rubicon gates at the RQ-Divide when ready.

Other business

- The DIRT committee was asked to take on the task of looking at new ideas on how to realign the District Divisions and balancing the workload. There were two designs that came out of this work, they were discussed and voted on. Option#1 was picked as the design that appeared to balance the workload, and divide the deliveries equally among the 6 Divisions. This information was also shared with all of the Division Managers, and feedback was welcomed from the team.
- The Division Managers had an opportunity to create a design. Although the design looked good on paper, after the numbers were ran, it was discovered that the design still left one Division's workload more than the other Divisions. A meeting was held with the Division Managers to discuss the findings and the problems that the design brought forward, and that the Division Managers are planning on moving forward with option #1. The next step would be to meet with the AG committee before the break, if possible.
- Once they have met with the AG Committee, and gain their support and recommendations, they can move forward with the presentation to the Board discussing the proposed new Division realignment, and asking the Board for its approval in implementing those changes. They are hoping to make this presentation at the first Board meeting in January 2019.

Frank thanked the Board Members, staff and wished everyone Happy Holidays.

Forrest Killingsworth, Engineering Department Manager

Condor Hazard Study Site Visit

- Frank Avila, Bob Holmes, Dave Kamper, and Forrest visited the Joint Supply Canal with Scott Lewis and Brad Peterson from Condor to evaluate the hazards that exist relative to the slope stability of the hillside and the integrity of the existing tunnels. Results of the tour provided a compelling reason to consider a bypass tunnel. At the next Board meeting, it is likely that staff will ask the Board to consider a 30% tunnel design proposal that has been submitted by Condor.

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Woodward Power Plant

- The power plant experienced more flooding issues resulting from the latest storms that fell over the week of 11/26/18. Prior to the storms, minor site grading was done by TID to prevent inundation of the power house, however the temporary solution was not successful. SSJID and TID have jointly developed a permanent design solution. Negotiations between the two Districts and the County will need to occur before a project can be put into action.

Studies

- The first draft of Technical Memorandum 2 for the FCOC Master Plan has been submitted to the District and City. The work performed under TM2 is primarily related to model development and capacity assessment. A meeting will be scheduled after the first of the year to review their findings.

Chad Parsons, Civil Engineer

- He explained that he had met with Division Managers regarding the Division realignment and that there was a total of 6 hours that each group discussed separately and then later came together to discuss as a group the pros and cons of each option on how to equally divide the Divisions. He reported that staff was engaged and excited about the project.

Mia Brown, General Counsel

- She thanked Board members and staff who provided Christmas gifts to 70 children in our community through the Ray of Hope Guardian Angel Program.

Peter Rietkerk, General Manager

Hydrology

- He reviewed the San Joaquin Precipitation reports which are at 97%.
- New Melones Reservoir is at 1,774,281 Acre-feet or 74% of capacity.

ACWA Conference

- Much of the time was spent in discussions with the State regarding the Water Quality Control Plan. Stockton East Water District discussed issues that they are having with the State Water Resources Control Board. Districts can apply for a State Water Rights Permit through an expedited program. There are also permits available for groundwater storage.

Water Master Plan Stakeholder Interviews

- Interviews have been scheduled for December 10, 14, and 18 with the following agencies:
  - Blue Diamond Growers
  - Almond Board
  - Stockton East Water District
  - Farm Bureau
  - San Joaquin County
  - City of Escalon
  - City of Manteca
  - City of Ripon

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Continued discussions with staff regarding an Alternate Work Schedule are ongoing.

**ACTION CALENDAR**

A motion was made by Director Holmes and seconded by Director Roos to add item #2(a)— Consider approval to purchase towable air compressor to the agenda as a late item pursuant to Government Code section 54954.2(b)(2), as there is a need to take immediate action and the need for action came to the attention of the Board after posting of the agenda.

The motion passed 5 to 0 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #2a – Consider approval to purchase a towable air compressor**

Mr. James Ferguson, Shop Supervisor, stated the compressor is needed to allow operation of the new Reed Lova IV bowl package. He explained the bowl package allows the Maintenance Department to perform repairs to open ditches using gunite instead of plaster, which makes for a longer lasting repair. He said the larger compressor allows some flexibility with the District's other air powered hammers, and is necessary for upcoming repairs.

A motion was made by Director Roos and seconded by Director Holmes to approve the purchase of the towable air compressor in the amount of \$61,673.06. The motion passed 5 to 0 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #2 – Discussion/Action regarding Board Meeting schedule for January 2019**

A motion was made by Director Holmes and seconded by Director Kamper to approve the proposed Board meeting dates of January 15 and January 29, and to poll the Board at the January 15 meeting to determine if the January 29 meeting is necessary. The motion passed 5 to 0 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

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**Item #3 – Consider approval of Irrigation Service Abandonment for the City of Ripon, APN 259-290-04 and 259-380-01**

Ms. Maria Gikas, Senior Accounting Technician, stated the easements are empty lots located within the City of Ripon and they have no plans to receive water.

A motion was made by Director Roos and seconded by Director Kamper to approve the Irrigation Service Abandonment Agreements for the City of Ripon, APN 259-290-04 and APN 259-380-01.

The motion passed 5 to 0 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #4 – Consider adopting changes to the Dental Plan offered by the District**

Mr. Don Thornburg, Human Resource Analyst, stated that the District’s dental benefits, for the most part, have been unchanged for a decade. The last plan change made by the District was effective in January 2009. He reviewed claims history with the Board and said the anticipated annual impact may increase costs to the plan by \$5,000 to \$7,000.

A motion was made by Director Holmes and seconded by Director Holbrook to increase the annual maximum from \$2,000 to \$2,500 for both dental and orthodontic benefits. The motion passed 5 to 0 by the following votes:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #5 – Consider approval to build a SCADA garage/shop**

Mr. Lloyd Wayman, Telemetry Supervisor, explained to the Board that his department is in need of a metal structure to provide a secure and protective environment to harbor the bucket truck and three utility service vehicles.

A motion was made by Director Kamper and seconded by Director Holmes to approve the release of budgeted funds in the amount of \$38,802 to purchase a metal building and install concrete foundation and electrical structures to serve as a garage and shop for the SCADA department. The motion passed 5 to 0 by the following votes:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

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**Item #6 – Consider approval of ACWA Membership Annual Dues Invoice**

Mr. Peter Rietkerk, General Manager, reviewed the dues that were paid out in 2016, 2017, and 2018. He said the proposed 2019 agency dues is an increase of 11.2%.

A motion was made by Director Holmes and seconded by Director Roos to approve the Association of California Water Agencies 2019 dues in the amount of \$26,470.00.

The motion passed 5 to 0 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #7 – Consider approval of Investment Policy for 2019**

Mr. Bere Lindley, Assistant General Manager, stated that the District’s Investment Policy lapses on December 31, 2018 and the Board’s appointment of the treasurer (Bere Lindley) also expires on December 31, 2018. He said there are no changes in the investment policy.

A motion was made by Director Holmes and seconded by Director Roos to approve the Investment Policy for 2019 which also re-appoints the treasurer as the investment officer for the year 2019. The motion passed 5 to 0 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #8 – Consider conditional approval of Daniels Street extension project, temporary relocation of a segment of the French Camp Outlet Canal (FCOC)**

Mr. Forrest Killingsworth, Engineering Department Manager, explained that the proposed solution is only interim but will remain until such time that the FEZ property is developed, which will require a permanent relocation of a much larger section of the FCOC. As the Board is aware, a portion of the proposed roadway is located directly over a segment of the FCOC, Drain 7 and Drain 8. He said over the past several months, SSJID and the City of Manteca have been working together to develop several concepts to relocate District facilities such that the roadway improvements can be constructed. After several iterations, an interim solution was identified as a preferred option by both the District and the City. The proposed project will relocate 1,300 feet of the existing FCOC open channel approximately 400 feet north.

A motion was made by Director Holbrook and seconded by Director Holmes to authorize conditional approval of the following documents, subject to staff’s satisfaction, compliance with District standards and specifications, and allowing for insubstantial revision and modifications:

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- Interagency Agreement for the Daniels Street Extension Project with the City of Manteca
- Daniels Street Extension Improvement Plans
- Encroachment Agreement
- Grant of new easements for Drain 7, Drain 8, and the FCOC
- Quitclaim of easements that become unnecessary due to facility relocation and acceptance of new easements

The motion passed 3 to 2 by the following votes:

AYES:           HOLBROOK KAMPER KUIL  
NOES:           HOLMES ROOS  
ABSTAIN:       NONE  
ABSENT:        NONE

**Item #9 – Consider amendment of Service Abandonment Agreement for Sukhmander & Charanjit Singh, APN 206-040-17**

Mr. Forrest Killingsworth, Engineering Department Manager, stated there are two home sites that are being leased to the Singhs who are interested in receiving District water in the 2019 irrigation season.

Specific conditions for approval that staff recommends are outlined as follows:

- 1) Flood Irrigation
  - a) Lateral “Q” is capable of delivering flood water to the Subject Property, however, private improvements including irrigation valves are required to allow flood irrigation. Owner is responsible for installing all improvements necessary to deliver flood irrigation to the Subject Property in accordance with District’s Standard Plans and Specifications (“District Standards”) at Owner’s expense as a condition to receiving water.
  - b) If Owner desires that the Subject Property receive water service by any means other than flooding, Owner is required to install all improvements District determines to be necessary in accordance with District Standards, or to upgrade existing facilities as necessary to be in accordance with the District Standards, at Owner’s expense. Such improvements may include, but shall not be limited to, a flow meter.
- 2) Sprinkler or Drip Irrigation
  - a) Irrigation water for sprinkler or drip irrigation can be made available to the Subject Property through SSJID Lateral “Q”. The Owner shall connect to the SSJID facility and construct a private sump and meter.
- 3) One Year provision. By action dated January 13, 2015, which amended the Policy for Rescinding Irrigation Service Abandonment, Owner is not subject to a one year waiting period for the Subject Property to receive District water.

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- 4) All other standard language for Service Abandonment Agreement Amendments (including flow measurement requirements, access, responsibility of costs, etc.) shall be included in the amendment document.
- 5) All trees that have been planted on District Easements upon the Subject Property must be removed prior to approval of this agreement.

A motion was made by Director Holbrook and seconded by Director Holmes to approve the “Agreement to Amend Irrigation Service Abandonment Agreement” for APN 206-040-17 subject to the above stated conditions and a revision to the standard agreement that further reflects those conditions. Approval shall be subject to the terms and conditions specified in the revised policy entitled “Policy for Rescinding Irrigation Service Abandonment.” The motion passed 4 to 1 by the following vote:

AYES:	HOLBROOK HOLMES KAMPER KUIL
NOES:	ROOS
ABSTAIN:	NONE
ABSENT:	NONE

**Item #10 – Consider amendment of Service Abandonment Agreement for Mark & Jayne George, APN 205-090-25**

Mr. Forrest Killingsworth, Engineering Department Manager, stated the owners want to be eligible to receive District water for the 2019 irrigation season and plan to flood irrigate and in the future or may elect to install a sprinkler sump.

Specific conditions for approval that staff recommends are outlined as follows:

- 1) Flood Irrigation
  - a) Lateral “Be” is capable of delivering flood water to the Subject Property. Private irrigation valves exist on the pipeline and appear to be adequate to facilitate flood irrigation. In the event that additional facilities are needed, Owner is responsible for installing all improvements necessary to deliver flood irrigation to the Subject Property in accordance with District’s Standard Plans and Specifications (“District Standards”) at Owner’s expense as a condition to receiving water.
  - b) If Owner desires that the Subject Property receive water service by any means other than flooding, Owner is required to install all improvements District determines to be necessary in accordance with District Standards, or to upgrade existing facilities as necessary to be in accordance with District Standards, at Owner’s expense. Such improvements may include, but shall not be limited to, a flow meter.
- 2) Sprinkler or Drip Irrigation
  - a) Irrigation water for sprinkler or drip irrigation can be made available to the Subject Property through SSJID Lateral “Be”. The Owner shall connect to the SSJID facility and construct a private sump and meter.

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- 3) One Year provision. By action dated January 13, 2015, which amended the Policy for Rescinding Irrigation Service Abandonment, Owner is not subject to a one year waiting period for the Subject Property to receive District water.
- 4) All other standard language for Service Abandonment Agreement Amendments (including flow measurement requirements, access, responsibility of costs, etc.) shall be included in the amendment document.

A motion was made by Director Holmes and seconded by Director Kamper to approve the Agreement to amend Irrigation Service Abandonment Agreement for APN 205-090-25 subject to the conditions stated above and a revision to the standard agreement that further reflects those conditions. Approval shall be subject to the terms and conditions specified in the revised policy entitled "Policy for Rescinding Irrigation Service Abandonment." The motion passed 5 to 0 as follows:

AYES:	HOLBROOK HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	NONE

**Item #11 – Directors’ reports from ACWA Fall Conference**

Director Roos attended the JPIA Board meeting. He was also able to take the required Sexual Harassment Training. He attended a session on SGMA where they discussed the State Water Project and Sustainable Groundwater topics. He also attended sessions on the California Water Fix and another session on Fish populations. He said overall it was a good conference.

Director Kuil also attended the JPIA Board meeting. He thanked the SSJID Board of Directors and said that this is a good group of cohesive board members. He attended a session on groundwater recharge where Jeanne Zolezzi spoke and he said she was very good.

**Item #15 – Financial Statements for October 2018**

Mr. Bere Lindley, Assistant General Manager, had no oral report but was available to answer questions.

**Item #16 – Investment Reports for October 2018**

Mr. Bere Lindley, Assistant General Manager, had no oral report but was available to answer questions.

General Counsel announced that all items in closed session would be discussed. The Board took a break and then went into Closed Session at 11:46 a.m.

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**Item #17 – Closed Session**

17. a. Conference with Legal Counsel – Anticipated Litigation  
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9  
- 4 cases
- b. Conference with Legal Counsel – Anticipated Litigation  
Significant exposure to litigation pursuant to paragraph (2) of Subdivision (d) of Section 54956.9  
- Phase 1 hearings on San Joaquin River/Delta Water Quality Control Plan before State Water Resources Control Board  
- 2 cases
- c. Conference with Legal Counsel – Existing Litigation  
Paragraph (1) of subdivision (d) of Government Code Section 54956.9  
- 3 cases

*SSJID vs. PG&E*

Appeal from Judgment of Dismissal Pending;

In the Court of Appeal for the State of California, Third Appellate District  
Case No. C086319

Superior Court for San Joaquin County  
Case No. STK-CV-UED-2016-0006638

*PG&E vs. San Joaquin LAFCo; SSJID, Real Party in Interest*

In the Court of Appeal for the State of California, Third Appellate District  
Case No. C086008

Superior Court for San Joaquin County  
Case No. STK-CV-UJR-2015-0001266

*SSJID vs. Lakeview Ranch Partners*

Superior Court for Stanislaus County  
Case No. 2028441

- d. Management Unit Labor Negotiations  
California Government Code Section 54957.6  
Agency Negotiator: General Manager  
Employee Organizations: SSJID's Management Group

***The Board returned to open session at 1:48 p.m.***

Disclosure of reportable actions taken in Closed Session, pursuant to Government Code Section 54957.1: There were no reportable actions taken in Closed Session.

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**Item #12 – Consider approving abandonment of a portion of the Drain 8 drainage ditch in Manteca**

A motion was made by Director Holmes and seconded by Director Kamper to authorize staff to prepare, execute, and record all necessary documents to formally abandon the portion of Drain 8 upstream of the Drain 8/Drain 9 confluence and quitclaim all associated property interests. Documents identified at this time include:

- Abandonment Agreement between District and all affected property owners
- Quitclaim Deeds, quitclaiming the District’s interest in the facility and associated easement to the underlying landowners

The motion passed 5 to 0 by the following vote:

AYES:           HOLBROOK HOLMES KAMPER KUIL ROOS  
NOES:           NONE  
ABSTAIN:       NONE  
ABSENT:        NONE

**Item #13 – Consider approval of Sundance Unit #4 residential development in Manteca**

A motion was made by Director Holbrook and seconded by Director Holmes to authorize conditional approval of the items listed below related to the Sundance Unit #4 development subject to compliance with District standard requirements and to the satisfaction of District Staff:

- Irrigation Improvement Plans for Sundance Unit #4
- Residential Improvement Plans for Sundance Unit #4
- Final Map
- Developers Agreement
- Encroachment Agreement
- Grant of Easement
- Quitclaim of District Easements

The motion was approved 5 to 0 by the following vote:

AYES:           HOLBROOK HOLMES KAMPER KUIL ROOS  
NOES:           NONE  
ABSTAIN:       NONE  
ABSENT:        NONE

**Item #14 – Presentation and Discussion regarding Cal Poly ITRC Modernization Study**

Dr. Charles Burt, with Cal Poly ITRC and Mr. Kyle Feist reviewed a Water Delivery Infrastructure Modernization Plan (WDIMP) power point presentation with the Board. First and foremost, the basic philosophy at ITRC is that irrigation districts exist to serve farmers. Dr. Burt stated that SSJID’s infrastructure is unique and it has major urbanization. ITRC did a complete inventory of

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the District's main canal hardware and operation, on-farm irrigation, SCADA, water ordering and scheduling and pipeline locations and conditions. ITRC reviewed the various methods of irrigation which are used at the District and the number of acres that are serviced with each method, such as, drip/micro, flood, sprinklers, pressurized/surface, pressurized/non-Ag and pressurized. Mr. Feist also reviewed on-farm pump stations and flow rate capacities. The bottom line is that no matter what or how the District decides to make improvements to its facilities, it is not going to be cheap.

Major recommendations to the District are:

- Change the automation of the Main Canal from upstream control to downstream control, which will allow pumps and outlets along the Main Canal to turn on and off without advance notice to District personnel
- Provide pressurized water (30-35 psi) to each turnout
- Filter the water to 150 mesh
- Do not depend upon the existing cast-in-place pipelines to supply most of the pressurized systems. Instead, expect a gradual deterioration and abandonment of CIP pipelines
- Install a new grid of pipelines that provides pressurized water and can also supplement CIP pipelines which may have been damaged uphill
- Size new pipes to supplement the CIP pipe flood irrigation water for up to 50% of the existing flood acreage, plus 100% pressurized irrigation; initially pumps are sized for 100% pressurized irrigation, with spare sumps and power for additional flood pumps
- Install two new regulating reservoirs – one at the end of the “Q” canal, and another within the French Camp Outlet Canal (FCOC)
- Provide up to 20 GPM/acre turnout capacity for fields less than 120 acres in size (about 6.2 GPM/acre would be needed for 24/7 operation)
- Make both flood and pressurized water available simultaneously, 24/7
- Make water deliveries on an arranged basis (people will call/log-in online, ahead of time and arrange for turnout deliveries)
- Farmers operate turnouts manually, with no remote monitoring or SSJID automation. Farmers can automate their own systems if they follow SSJID guidelines regarding slow valve operation

The Board thanked Dr. Burt and Mr. Feist for their very detailed presentation and recommendations.

This item was for discussion only and no action was taken.

*Director Holbrook exited the meeting at 2:59 p.m.*

**Item #18 – ADJOURNMENT**

A motion was made by Director Roos and seconded by Director Kuil to adjourn the meeting at 3:04 p.m.

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The motion passed 4 to 0 by the following vote:

AYES:	HOLMES KAMPER KUIL ROOS
NOES:	NONE
ABSTAIN:	NONE
ABSENT:	HOLBROOK

**ATTEST:** \_\_\_\_\_  
Betty L. Garcia, Clerk of the Board