



**MINUTES OF THE  
BOARD OF DIRECTORS MEETING  
OF THE TURLOCK IRRIGATION DISTRICT**

Turlock, California  
20 June, 2017

The meeting of the Board of Directors of the Turlock Irrigation District was called to order at 9:00 a.m. in regular session on the 20<sup>th</sup> day of June 2017. Present were: Directors Joe Alamo (President), Charles Fernandes (Vice-President), Michael Frantz (Secretary), Rob Santos (via teleconference) and Ron Macedo, General Manager Casey Hashimoto and Executive Secretary to the Board Tami Wallenburg.

**SALUTE TO THE FLAG**

**MOTION APPROVING CONSENT CALENDAR**

Moved by Director Fernandes, seconded by Director Macedo, that the consent calendar consisting of the following be approved:

- A. Minutes of the regular meeting of June 6, 2017.
- B. Demands against the District represented by check numbers 363833 to 364229 in the amount of \$16,232,363.74.

All voted in favor with none opposed (Director Santos voted yes via teleconference). The President declared the motion carried.

**PUBLIC COMMENT PERIOD**

There was none.

**WEEKLY UPDATES**

Line Division Manager Denver Hodges presented the report for the Electrical Engineering and Line Department. The SAIDI (System Average Interruption Duration Index) year-to-date figure is 31.7. (SAIDI totals the duration of each outage then divides it by the customer base, and is considered a commonly used formula in the industry). The average length of time customers were without power (due to outages) was 3.8 minutes. Major outage contributors in May show unknown causes at 51 percent, equipment failure at 41 percent, and third party damage at 6 percent. Electrical Engineering received 77 customer requests with 46 of those sent to the Line Department for completion. Construction lead time in May was three weeks, with contracted crews increased from one crew in April to two in May due to an increase in capital work. The crew structure in May was five 4-person crews, one 2-person crew, and two 4-person contract crews. Director Alamo noted that he had met with a customer in the field the previous Friday and received a compliment stating the crews were courteous during recent work near her property.

Wes Kellison, Energy Trader, reviewed operations for the week of June 9-15. The daily system peak, including partial required sales, reached 473 megawatts on June 15. The load was met with TID Hydro, thermal generation, short and long-term firm, renewables and spot purchases. Total renewables of TID retail energy sales plus losses were at 41 percent. The Tuolumne Wind Project (TWP) generated 10,800 MWh's during this time period at the Willis Substation. Natural gas prices at Pacific Gas & Electric Company's Citygate were \$3.09/mmBTU. Electric operations for this period show Walnut Energy Center was fully available with Unit 2 off for economics through June 12; Boardman was offline for economics; Almond ran all week for operations and Don Pedro Unit 4 remains out of service until further notice.

Mike Kavarian, Water Distribution Department Manager, reviewed irrigation activity for the period of June 12-18. Water orders taken during this period totaled 2,873. Activity for this period show flows ranged between 1,625 and 1,245 cfs. The call center received approximately 2,900 orders for the week with another 578 orders coming in the previous day. Daily releases from Turlock Lake averaged at 1,484 cfs, 140 cfs above projections. Currently, 67 pumps are available to run with plans to utilize a few this week. These will be used sparingly when needed to alleviate stress on groundwater levels. Director Fernandes stated he noticed several parcels flood irrigating along Whitmore Road in Ceres the previous weekend and Mr. Kavarian noted that when temperatures rise some customers prefer flood irrigation as it allows for better absorption to the roots and also helps in replenishing groundwater levels.

#### **RESOLUTION NO. 2017 – 38**

#### **RESOLUTION CALLING FOR A PUBLIC HEARING ON THE PETITION FOR THE INCLUSION OF LAND INTO IMPROVEMENT DISTRICT NO. 08460, KNOWN AS THE DIAS, AND FOR THE LEVYING OF AN ASSESSMENT ON THE INCLUDED LAND**

WHEREAS, a petition for the inclusion of additional land into Improvement District No. 08460, has been properly filed with the Executive Secretary of the Turlock Irrigation District, and

WHEREAS, the required data on said inclusion has been prepared by the Water Resources Administration of the Turlock Irrigation District in accordance with California Water Code Sections 23626 and 23877 and said data has been properly filed with the Executive Secretary.

IT IS HEREBY ORDERED that a public hearing on said petition shall be held at 9:00 a.m. on August 8, 2017, in the office of the Board of Directors of the Turlock Irrigation District, 333 East Canal Drive, Turlock, Stanislaus County, California, and that proper and timely notice of said public hearing shall be given in accordance with California Water Code Section 23646 and California Constitution Articles XIII.C and XIII.D.

Moved by Director Fernandes, seconded by Director Macedo, that the foregoing resolution be adopted.

Upon roll call the following vote was had:

Ayes: Directors Fernandes, Santos, Frantz, Macedo, Alamo  
Noes: Directors None  
Absent: Directors None

The President declared the resolution adopted (Director Santos voted via teleconference).

**RESOLUTION NO. 2017 - 39**

**RESOLUTION AUTHORIZING SURVEY OF PROPOSED IMPROVEMENTS  
IN PROPOSED IMPROVEMENT DISTRICT NO. 15880,  
TO BE KNOWN AS THE TRZ PUMP**

WHEREAS, a petition for the formation of Improvement District No. 15880 has been received by the Board of Directors of the Turlock Irrigation District, the petition was properly filed and signed by the holders of title, or evidence of title, of at least two-thirds or more of the acres of all the tracts of land situated within the boundaries of the proposed improvement district, for the purpose of forming the improvement district within the Turlock Irrigation District under the provisions of Part 7, Division 11, of the California Water Code.

NOW, THEREFORE BE IT HEREBY ORDERED by the Board of Directors of the Turlock Irrigation District that the Turlock Irrigation District Water Resources Administration prepare a survey of the proposed improvements to be made under the petition, and that the survey be filed with the Board of Directors of the Turlock Irrigation District when it has been completed.

Moved by Director Macedo, seconded by Director Fernandes, that the foregoing resolution be adopted.

Upon roll call the following vote was had:

Ayes: Directors Fernandes, Santos, Frantz, Macedo, Alamo  
Noes: Directors None  
Absent: Directors None

The President declared the resolution adopted (Director Santos voted via teleconference).

**RESOLUTION NO. 2017 – 40**

**RESOLUTION DIRECTING THE PREPARATION OF  
PLANS AND SPECIFICATIONS, AN ESTIMATE OF THE COST  
AND A STATEMENT OF THE PROPOSED ASSESSMENT FOR PROPOSED  
IMPROVEMENTS IN IMPROVEMENT DISTRICT NO. 15850,  
TO BE KNOWN AS THE SIKMA PUMP**

WHEREAS, the Turlock Irrigation District Water Resources Administration was directed by this Board of Directors of the Turlock Irrigation District to make a Survey of the proposed improvements to be made in proposed Improvement District No. 15850, to be known as the Sikma

Pump, as set forth in the petition requesting the formation of such proposed improvement district, and a Survey has been duly prepared and has been presented to and carefully considered by the Board of Directors of the Turlock Irrigation District; and

WHEREAS, the Survey prepared by the Water Resources Administration shows the proposed improvements are feasible.

IT IS HEREBY ORDERED that the Turlock Irrigation District Water Resources Administration prepare the Detailed Engineer's Report containing the following:

- a) Plans and Specifications of the improvements proposed to be acquired.
- b) An Estimate of the Cost of the proposed improvements which may include an amount not in excess of 10 percent of the aggregate cost of the proposed improvements to create a reserve fund to be used and applied as additional security for the payment of principal of and interest on any warrants of the improvement district issued against assessments levied for the payment of the cost of the proposed improvement.
- c) A Statement of the Proposed Assessment for the cost of the proposed improvements apportioned to each tract of land in the proposed improvement district as the tracts appear on the last equalized district assessment book and to district-owned land in the proposed improvement district whether or not it appears on the last equalized district assessment book, which apportionment shall be according to the benefits that will accrue to each tract by virtue of the proposed improvements.
- d) The Statement of Benefit received by forming the improvement district.

NOW, THEREFORE BE IT HEREBY ORDERED by the Board of Directors of the Turlock Irrigation District that the Plans and Specifications, Estimate of Cost, and Statement of the Proposed Assessment be filed with the Executive Secretary of the Turlock Irrigation District in the office of the Turlock Irrigation District and the documents shall be subject to the inspection of all interested persons.

Moved by Director Fernandes, seconded by Director Macedo, that the foregoing resolution be adopted.

Upon roll call the following vote was had:

Ayes:	Directors Fernandes, Santos, Frantz, Macedo, Alamo
Noes:	Directors None
Absent:	Directors None

The President declared the resolution adopted (Director Santos voted via teleconference).

**RESOLUTION NO. 2017 – 41**

**RESOLUTION DIRECTING THE PREPARATION OF PLANS AND SPECIFICATIONS, AN ESTIMATE OF THE COST AND A STATEMENT OF THE PROPOSED ASSESSMENT FOR PROPOSED IMPROVEMENTS IN IMPROVEMENT DISTRICT NO. 15870, TO BE KNOWN AS THE MORA-TAVERNAS PUMP**

WHEREAS, the Turlock Irrigation District Water Resources Administration was directed by this Board of Directors of the Turlock Irrigation District to make a Survey of the proposed improvements to be made in proposed Improvement District No. 15870, to be known as the Mora-Tavernas Pump, as set forth in the petition requesting the formation of such proposed improvement district, and a Survey has been duly prepared and has been presented to and carefully considered by the Board of Directors of the Turlock Irrigation District; and

WHEREAS, the Survey prepared by the Water Resources Administration shows the proposed improvements are feasible.

IT IS HEREBY ORDERED that the Turlock Irrigation District Water Resources Administration prepare the Detailed Engineer's Report containing the following:

- a) Plans and Specifications of the improvements proposed to be acquired.
- b) An Estimate of the Cost of the proposed improvements which may include an amount not in excess of 10 percent of the aggregate cost of the proposed improvements to create a reserve fund to be used and applied as additional security for the payment of principal of and interest on any warrants of the improvement district issued against assessments levied for the payment of the cost of the proposed improvement.
- c) A Statement of the Proposed Assessment for the cost of the proposed improvements apportioned to each tract of land in the proposed improvement district as the tracts appear on the last equalized district assessment book and to district-owned land in the proposed improvement district whether or not it appears on the last equalized district assessment book, which apportionment shall be according to the benefits that will accrue to each tract by virtue of the proposed improvements.
- d) The Statement of Benefit received by forming the improvement district.

NOW, THEREFORE BE IT HEREBY ORDERED by the Board of Directors of the Turlock Irrigation District that the Plans and Specifications, Estimate of Cost, and Statement of the Proposed Assessment be filed with the Executive Secretary of the Turlock Irrigation District in the office of the Turlock Irrigation District and the documents shall be subject to the inspection of all interested persons.

Moved by Director Macedo, seconded by Director Frantz, that the foregoing resolution be adopted.

Upon roll call the following vote was had:

Ayes:	Directors Fernandes, Santos, Frantz, Macedo, Alamo
Noes:	Directors None
Absent:	Directors None

The President declared the resolution adopted (Director Santos voted via teleconference).

## **POWER SUPPLY ADMINISTRATION REPORT**

Power Plant Engineering Department Manager Robert Bohrisch presented an update of the Tuolumne Wind Project (TWP). The District owned facility consists of 62 wind turbines and is capable of producing up to 136 megawatts of power with an average wind speed of 15.9 mph (record being 80 mph). From 2009-2016, the TWP produced over 2.8 million MWh. Mr. Bohrisch reviewed numerous issues in 2015-2016, including several turbine equipment failures with one turbine generator being replaced three times. Four splices faulted in 2015 losing 4,600 MWh of generation and creating \$180,000 in lost revenue. The remaining 9 of 16 splices were replaced in 2016 at a cost of over \$272,000. Several pad mount transformers were also replaced as some were undersized and the failure rate would increase over time. Replacement costs range from \$30,000 to \$55,000 per transformer. Projects scheduled this year include road refurbishments at a cost of \$42,000, wind sector stop removal, revisions/extensions to the Siemens, Senvion and EDF service agreements, and installation of a spare main transformer. Mr. Bohrisch reviewed future performance projections with an increase of 14,000 MWh due to the Wind Sector Stop removal, mitigation of curtailment and limit events, revenue improvement through higher generator output and addition of tip extensions on the Sieman blades. He also noted there are new regulatory requirements which will be implemented to track performance.

## **GENERAL MANAGERS REPORT**

General Manager Casey Hashimoto had no new items to report.

## **BUSINESS OF THE BOARD**

There was none.

## **MOTION TO ADJOURN TO CLOSED SESSION**

Moved by Director Macedo, seconded by Director Fernandes, that the regular meeting of the Board of Directors be adjourned:

### **1. Conference with Legal Counsel – Anticipated Litigation**

California Government Code Section 54956.9(d)

Anticipated litigation: one potential case

- Steve Boyd, Director of Water Resources and Regulatory Affairs
- Art Godwin, Legal Counsel

### **2. Public Employee Performance Evaluation**

California Government Code section 54957(b)(1)

Title: General Manager

All voted in favor with none opposed. The President declared the motion carried.

## **REPORT OF ACTION TAKEN IN CLOSED SESSION**

The President announced there was no reportable action taken in closed session.

**MOTION TO ADJOURN**

Moved by Director Fernandes, seconded by Director Macedo, that the regular meeting of the Board of Directors be adjourned.

The President declared the motion carried.

*Tami Wallenburg*  
**Executive Secretary to the Board of Directors**