



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

AGENDA

Thursday, July 21, 2016 6:30 p.m.
Oceano Community Services District

- I. CALL TO ORDER AND ROLL CALL
- II. ANNUAL FISCAL YEAR ROTATION - Position of Chairman and Vice-Chairman
- III. PUBLIC COMMENT
This is an opportunity for members of the public to address the Committee on items that are not on the Agenda
- IV. APPROVAL OF SPECIAL MEETING MINUTES OF MAY 19, 2016
- V. OPERATIONS REPORT
 - A. Water plant operations, reservoir storage, downstream releases
- VI. INFORMATION ITEMS
 - A. Projected Reservoir Levels
 - B. Climate Update
 - C. Habitat Conservation Plan Update
- VII. CAPITAL PROJECTS UPDATE
 - A. Bi-Monthly Update
- VIII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
- IX. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
- X. FUTURE AGENDA ITEMS
 - A. Contract Renegotiation Discussions
 - B. Funding Groundwater Modeling
 - C. Water Wheeling
- XI. COMMITTEE MEMBER COMMENTS

Next Regular Meeting is Scheduled for
Thursday, September 15, 2016 at 6:30 PM at City of Grover Beach
Agendas accessible online at SLOCountyWater.org

**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ZONE 3 ADVISORY COMMITTEE
DRAFT MEETING MINUTES
THURSDAY May 19, 2016**

- I. Call To Order/Roll Call** - The Meeting was called to order at 6:30 PM at the Oceano Community Services District by Zone 3 Advisory Committee Vice-Chairperson and Avila Beach Community Services District (CSD) General Manger, Brad Hagemann. County Public Works Department Utilities Program Manager and Secretary to the Zone 3 Advisory Committee, Andrea Montes, called role. Members in attendance were:
- Kristen Barneich, City of Arroyo Grande
 - Jim Garing, Member at Large
 - Brad Hagemann, Avila Beach CSD, Vice-Chair
 - Vard Ikeda, Agriculture Delegate
 - Jeff Lee, City of Grover Beach
 - Ed Waage, City of Pismo Beach
- A quorum was established and the meeting continued.
- II. Public Comment** - No public comment given.
- III. Approval of Meeting Minutes of May 19, 2016** – Ms. Montes noted clarification of last sentence on Page 7 of 36 of the Agenda Packet regarding the Santa Maria Groundwater Basin Model presented by Mr. Hutchinson. In the minutes it was noted that two-thirds of the \$750,000 cost will be coming from the district. For clarification purposes, one-third will be coming from Nipomo Mesa Management Area (NMMA), one-third from Zone 3 District Reserves on behalf of Northern Cities Management Area (NCMA), and one-third from County of San Luis Obispo Flood Control and Water Conservation District Reserves for a total of \$750,000. This corresponds with the table on Page 17 of the Agenda Packet. Member Waage motioned, Member Barneich second. Motion passed unanimously.
- IV. Operations Report** - Ms. Montes indicated the Lopez Lake elevation was 466.89 acre-feet (AF). Storage was 14,215 AF, which is 29% capacity. Rainfall to date was 19.31 inches. Plant production is 1.9 million gallons per day (MGD). Filter Turbidity range was .02 to .05 MGD. Terminal Reservoir Visibility was 6 feet. Downstream release was 1.9 MGD. And State Water was 2.94 MGD.

No public comment was given.

V. Information Items

A. Present 3rd Quarter FY 15/16 Budget Status - Joanne Hilker, County Public Works Accountant, presented the Fiscal Year (FY) 2015-16 3rd Quarter Budget Status report through March 31, 2016 for Flood Control Zone 3.

At 75% of the FY, Zone 3 expenses totaled 61% of the annual budget. Ms. Hilker reviewed the three categories of graphs included in the agenda packet: 1.) Routine Operations and Maintenance (O&M) expenses; 2.) Non-Routine O&M expenses; and 3.) Capital Outlay expenses.

Routine Operations and Maintenance (O&M) expenditures at 75% of the FY were about 69% of budget, which produced about a \$211,000 in savings due to staff vacancies, which are in the process of being filled.

Non-Routine O & M expenditures, at 75% of the FY were approximately 41% of the budget, resulting in about \$208,000 in savings; with the majority of these savings occurring in Lopez Water Rights Habitat Conservation Plan (HCP); Any savings within the HCP will be rolled over to next FY for these specific efforts and are not savings realized at year-end.

Capital Outlay expenditures at 75% of the FY were about 44% of the budget, resulting in \$244,000 of savings due to staff vacancies. Any year-end savings in this active project will be rolled over for the next fiscal year for continued efforts on active projects. Ms. Hilker further indicated all agencies are current on their payments. First installment invoices for the 2016/2017 fiscal year were mailed May 1, 2016 and due July 1, 2016.

Member Lee inquired what is anticipated for the 4th Quarter and if the funding level be closer to 100%. Ms. Hilker indicated Utilities has many projects that would like to be done if staffing were at the desired levels, but due to current staffing vacancies and a month left of the 4th Quarter, it is possible some of the savings will be returned to the agencies next year.

Member Waage inquired if there may be a common reason for the staff vacancies in relation to salary or finding the right people. Ms. Hilker stated there are primarily three vacancies. One is the Water Systems Superintendent, vacant since February of 2015. This position currently has an active recruitment in place as it is a critical position with the need for a specialized individual and Utilities is taking time to find the right person. Second was the Administrative Assistant at Lopez, vacancy was recently filled and savings that were seen from that position to date will no longer be savings going forward. Third were one or two Water Systems Workers who were originally dedicated to Zone 3 and

temporarily shifted out to the Los Osos Water Recycling Facility plant during the early stages of the plant's operations. Ms. Hilker indicated, the cost of the Water Systems Workers has temporarily not been included in the Zone 3 budget, but will be once Los Osos frees them up.

B. Budget Update – Ms. Hilker referred the Zone 3 Advisory Committee's endorsement at the March 17, 2016 meeting of the proposed Flood Control Zone 3 Budget for Fiscal Year 16/17, with the stipulation that the list of recommended uses of Flood Control Zone 3 District Reserves be included in the budget presentation. In order to accommodate the request, the agenda packet shows the narrative that was included in the budget submittal to the County Board of Supervisors (BOS).

Vice-Chair Hagemann clarified he was not at the March Zone 3 Advisory Committee meeting but was connected to the conversation and had inquired if the narrative adequately addressed what the Committee was looking for as far as the proposed language.

Vice-Chair Hagemann asked Ms. Hilker whether or not the Board of Supervisors completed their deliberations of the proposed FY 16/17 budget. Ms. Hilker stated the BOS will be viewing and then approving the proposed budget on June 14, 2016. Member Lee confirmed that he proposed language addressed what the Committee was looking for.

No public comment was given.

C. Projected Reservoir Levels – Jill Ogren, County Public Works Utilities Engineer, presented the Lopez Reservoir Storage Projection. The Lopez Reservoir Storage Projections are included in the agenda packet and have been revised on a monthly basis over the last several months to better project where the Lopez reservoir levels will be as the drought continues. Discussing the chart, Ms. Ogren indicated the green dashed line represents where County staff thinks reservoir levels will be in November, at about 10,000 AF. Ms. Ogren indicated this is a critical point in the Low Reservoir Response Plan (LRRP). The 10,000 AF level triggers further reductions by the municipalities and further reduction for downstream releases. Markers are being watched closely to know when that happens so adjustments can be made to the water deliveries. When the deliveries are adjusted, deliveries will be going retro-active to April. It is projected that the water year for 16/17 will be reducing municipalities down to the 20% mark.

Ms. Ogren indicated the red dashed line is the past 3-year average, and is steeper because of those years, Zone 3 was not in the LRRP and the green dashed line is more representative of where Zone 3 would be. Ms. Ogren noted

the 10,000 AF is probably a lower estimate since agencies have a quantity of carry over water saved since being under the LRRP. The amount of water that is not allocated is about 3,500 AF lower than 10,000 AF. Ms. Ogren clarified that 3,500 AF is still available for municipalities based on their individual accounts.

Ms. Ogren indicated the light blue bars show anticipated rainfall. The rainfall projection depicts little rain is anticipated for the rest of the 2016 year.

Member Lee questioned if the Zone 3 Technical Advisory Committee (TAC) discussed the 10,000 AF trigger. Ms. Ogren confirmed the TAC began discussing the issue at the May meeting and will continue discussion at its June meeting. Ms. Ogren indicated the 10,000 AF trigger ties into the Governor's latest executive order regarding the drought and the amount of water each wholesaler has to provide to the retailers. This coupled with the 10,000 AF trigger is wrapped together for further discussion at the June 2016 TAC Meeting.

Member Barneich noted the chart projections for November of this year at the Lopez reservoir is projected to hit 10,462 AF, which will trigger the 20% reduction in deliveries to municipalities, and requested clarification on what Ms. Ogren meant by "retro-actively". Ms. Ogren clarified that the water year starts in April and water usage is counted based on how much water everyone has used and what they have available in that water year. Water delivery has been on a particular schedule, at 10% reduction. If and when the November 10,000 AF mark is reached and agencies do not go retro-active, it would be possible that more water was released to Zone 3 agencies than should have been.

Member Waage requested clarification regarding the carry over water. Ms. Ogren indicated of the 10,000 AF, there is a certain amount that is already allocated to the agencies. In order to see what water is still available to be given out, based on entitlements or the LRRP, it is about 3,500 AF less than 10,000 AF. Member Garing questioned if the 3,500 AF less puts the mark at 7,000 AF available. Ms. Ogren confirmed the calculation.

D. Climate Update - Ms. Montes indicated for the month of May, the National Oceanic Atmospheric Administration, (NOAA) predicted above average rainfall for the month of May. The United States Geological Survey (USGS) predicted California Central Coast's drought outlook as Severe Drought to Abnormally Dry and Exceptional Drought conditions during the month of May, which is an improvement from the Extreme Drought levels we've witnessed in prior months.

No public comment was given.

E. PG&E Diablo Canyon Power Plant Desalination Update – Public Works Deputy Director, Mark Hutchinson, indicated the County Board of Supervisors approved a \$900,000 budget for: 1.) the California Environmental Quality Act (CEQA)/coastal permitting process, which includes initiation of an Environment Impact Report (EIR) and the “in-house” team comprised of Planning and Building Department staff and Public Works Department staff who prepared a Request for Proposal pending project description and information from PG&E; 2.) negotiating a Conditional Reimbursement Agreement with Zone 3 agencies who wish to participate in the project; and 3.) negotiating a Water Supply Agreement with PG&E for permanent water supply. PG&E asked to place negotiations on hold pending work at the power plant. Mr. Hutchinson anticipated hearing from PG&E within a couple of weeks and anticipated returning to the Board of Supervisors in August.

No public comment was given.

F. Habitat Conservation Plan Update – Mr. Hutchinson indicated the Habitat Conservation Plan (HCP) team has developed a model and has moved forward with the preliminary downstream release schedule which was shared with the Zone 3 Technical Advisory Committee (TAC) and will be further discussed at the TAC.

No public comment was given.

G. Zone 3 Regional Supply Update – Mr. Hutchinson presented an update on the Nacimiento Project water system, as well as the State Water system. He indicated as of April 19, 2016 the Nacimiento water system is fully allocated with existing participants who increased their allocations and include: Atascadero Mutual Water Company, City of Paso Robles, City of San Luis Obispo and Templeton Community Services District; in addition to two (2) new participants, SMR Mutual Water Company on Santa Margarita Ranch, and Bella Vista Mobile Home Park located in Cayucos.

In regards to State Water, Mr. Hutchinson indicated the County of San Luis Obispo Flood Control and Water Conservation District has an allocation of 25,000 acre-feet per year (AFY) of State Water. Of this amount, about 10,000 AFY is sold to subcontractors. The District currently has about three times the amount needed to satisfy customers and has the potential of returning 2000 acre-feet to the State because of the amount of water that is currently exceeding the contractual allowed storage capacity in the San Luis Reservoir. The District partners with Santa Barbara County on the State Water pipeline. Santa Barbara County’s State Water allocation and delivery is managed by the Central Coast Water Authority (CCWA) comprised of Santa Barbara County

agencies who need more water and have excess storage capacity. The District's excess water will be exchanged with CCWA for storage capacity to deliver water to us through their facilities when we need it. Mr. Hutchinson indicated this arrangement positions the District to be able to deliver additional State Water above and beyond contracts amount and our share of the pipeline to any of our turnouts, which could become another source of water for south county agencies. However, Mr. Hutchinson indicated the District does not currently have customers for this water.

No public comment was given.

H. Urban Water Management Plan 2015 Update - Kari Wagner, Director of Resources from Wallace Group and Project Manager for the Zone 3 Urban Water Management Plan, (UWMP), UWMP 2015 Update. Ms. Wagner indicated the UWMP is prepared in response to the UWMP Act of 1983 and is required for water suppliers serving more than 3,000 AFY and is required to maintain eligibility for State funding. The UWMP is prepared every five years in accordance with Department of Water Resources (DWR) guidelines and focuses on water supply and conservation, and water supply reliability and is submitted to DWR.

Ms. Wagner indicated the UWMP was presented to the TAC at the April 7, 2016 meeting and the Public Hearing was to take place at the June 7, 2016 County Board of Supervisors Meeting.

Member Barneich and Ms. Montes discussed educational and general public outreach programs that focus on water conservation that the District and the City of Arroyo Grande have participated in and have the potential to participate in. Member Barneich requested Ms. Montes work with City of Arroyo Grande for upcoming educational opportunities and Member Lee requested Ms. Montes collaborate with all Zone 3 agencies on public outreach efforts.

Ms. Wagner indicated comments on the UWMP will be taken up until the June 7, 2016 BOS date and letters of support could be submitted if Zone 3 agencies felt inclined to do so.

No public comment was given.

I. Proposed Improvements to Vista Lago Adventure Park at Lopez Lake Recreation Area – County Parks Department Superintendent, Larry Iaquinto, presented an overview of proposed improvements to Vista Lago Adventure Park at Lopez Lake Recreation Area. As part of County Parks' Lopez Recreation Area's agreement with the Zone 3 Flood Control District, Parks is required to inform Zone 3 of any proposed improvements to the Area. Mr.

Iaquinto indicated a facility change to the existing area of where the Vista Lago Adventure Park operates.

To remain competitive, Vista Lago's proposed improvements include two (2) new zip lines. These zip lines were not included in the "footprint" the BOS approved a few years ago.

J. Proposed Improvements to Mustang Waterpark at Lopez Lake Recreation Area – Mr. Iaquinto presented an over of proposed improvements to Mustang Waterpark at Lopez Lake Recreation Area per the agreement County Parks has with Zone 3.

Mr. Iaquinto indicated Mustang Waterpark is an older facility has recently been taken over by a new concessionaire who performed facility upgrades. Because of the upgrades, the volume of waterpark customers increased and the facility is now faced with the challenge of finding room for the increased crowds.

The proposed improvements include: 1.) repurpose grass area and create a "human maze" with pieces that interlock with one another to reconfigure during different times of year to attract people to the park year-round and create revenue during the off-season; 2.) repurpose grass area create an extended seating area; and 3.) repurpose grass area and install a bicycle rental area on near the waterpark's main entrance.

Mr. Iaquinto indicated both of the Lopez Lake Recreation Area's proposed improvements will be presented to the BOS at the June 7, 2016 meeting.

No public comments were made.

VI. Capital Projects Update

A. Bi-Monthly Update – County Public Works Engineer, Joshua Roberts, presented the Zone 3 Capital Projects Bi-Monthly update.

Mr. Roberts indicated the 6th Rack Installation project has been placed on hold due to rust particles found in the membranes, possibly from strainers. He further indicated the impact of the rust particles on the membranes has been very little, but has delayed the project until the rust particles are remedied in order to to ensure the warranties on the membranes stay in place. No additional cost charges or loss of water production is occurring while the project has been paused. The project is about 80 percent complete.

In regards to the Membrane Strainer Replacement project, Mr. Roberts indicated he is working with consultant, Mike Nunley of MKN, to determine cause(s) of the rust particles and solutions.

Mr. Roberts stated the Lopez PLC Replacement project is in process, equipment has been ordered, and funding is being secured.

The Lopez V-Ditch Repair project is in the project scoping phase. Mr. Roberts anticipates having more information on this project at the July 21, 2016 Zone 3 Advisory Committee Meeting.

Mr. Roberts indicated the Lopez Power Monitor project is on hold for the time being, as County staff would like to see how a similar project taking place the Nacimiento Dam turns out before completing the Lopez project.

The Lopez Turnout SCADA project is currently on a hold due to a temporary delay with PG&E.

The Lopez Variable Frequency Drive (VFD) Replacement Plan project identified equipment that was out-of-date, unserviceable and is now failing. The Replacement Plan has become a replacement “program”. Mr. Roberts indicated County staff is working with Vendors to replace the failed “drive” or all three drives that allow the motor to “ramp up” rather than turn “on and off”. All drives were already identified for replacement.

Member Lee inquired on the status of the Lopez Intake Repair project. Mr. Roberts stated this project is in progress. A diver is being brought in, the project is funded and is on budget and near completion.

Member Waage asked if the purpose of the SCADA is to monitor *and* control the flow of water. Mr. Roberts indicated SCADA has archiving ability to track the trend of water usage and has real-time data ability.

No public comment was given.

VII. Action Items - (No Subsequent Board of Supervisors Action Required)

A. Low Reservoir Response Plan – Status and Next Steps – Ms. Ogren reiterated the Low Reservoir Response Plan (LRRP) is tied in with the storage of the Lopez reservoir, the Urban Water Management Plan, and the Governor’s most recent order.

VIII. Action Items (Board of Supervisors Action is Subsequently Required)

No items were discussed.

IX. Future Agenda Items – Ms. Montes indicated to Vice-Chair Hagemann the following Future Agenda items have been listed on each monthly Agenda for the past Fiscal Year and can be removed if the Committee wishes: A. Contract Renegotiation Discussions; B. Funding Groundwater Modeling; and C. Water Wheeling.

XII. Committee Member Comments – Member Barneich indicated City of Arroyo Grande City Council directed City staff to put a ballot measure together regarding the purchase of State Water. This will be presented at the July 26, 2016 City of Arroyo Grande City Council Meeting for public discussion.

Member Lee indicated the City of Grover Beach utility rate study will be completed in July. He announced the Grover Beach’s new City Manager, Matt Bronson, from the City of San Mateo will begin working June 15, 2016.

Member Waage announced as part of the City of Pismo Beach tier 1 water restrictions, new large construction projects without water rights will not be allowed, but projects to can be constructed on an empty lot if the lot is surrounded by two adjacent lots built out.

Vice-Chair Hagemann announced Avila Beach Community Services District (CSD) is partnering with San Miguelito Mutual Water, with Avila Beach CSD taking the lead, for a recycled water study 50% funded by the State Water Resources Control Board, which will develop over the next six to eight months. He further announced the Avila Beach CSD Board adopted a water shortage and conservation plan at its recent meeting and directed staff to move ahead with the purchase of drought buffer at 100 AFY.

Meeting adjourned at 8:38 PM.

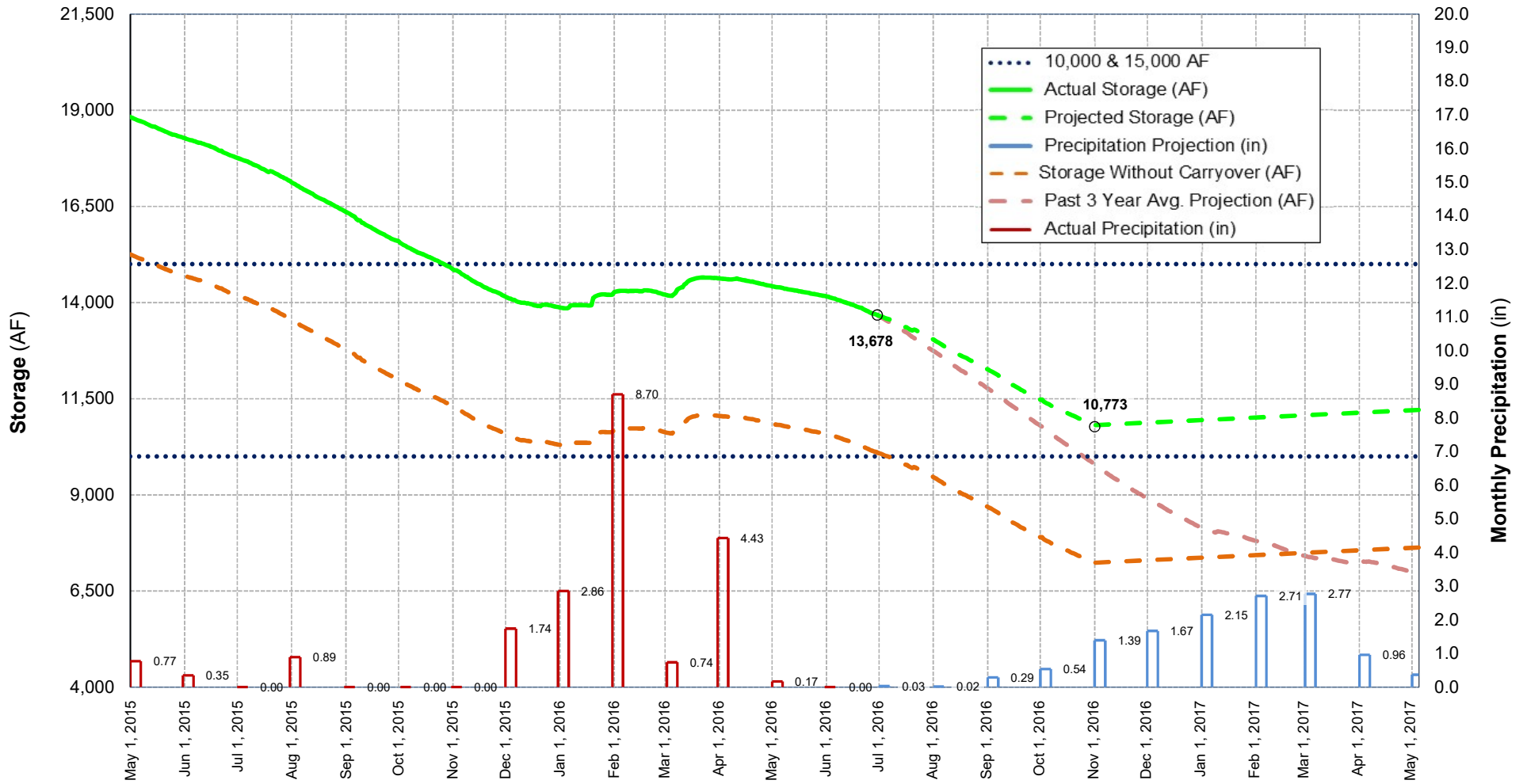
Next Regularly Scheduled Meeting Next Regular Meeting is Tentatively Scheduled for Thursday, November 17, 2016 at 6:30 PM at City of Pismo Beach.

Respectfully Submitted,

Andrea M Montes
County of San Luis Obispo Public Works Department

Lopez Reservoir Storage Projections (precipitation scenario source: www.LongRangeWeather.com)

Revised: 6/30/2016

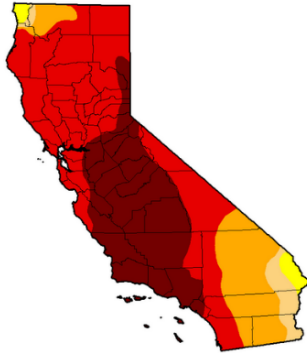


Notes:

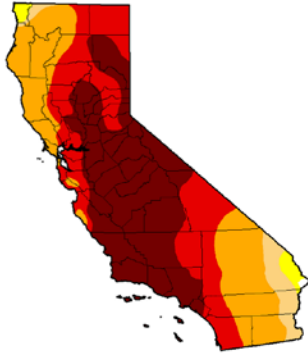
- For "Dry Months" (April - October), projected increases and/or decreases in storage estimated to mimic conditions from 2015.
- For "Wet Months" (November - March), projected storage declines assume LRRP annual downstream release of 3,800 AFY and deliveries of 4,077 AFY.
- For "Wet Months", projected storage increases based on historic trends from actual storm data for the period of 12/1993 through 6/2011.
- Storage projection for "Wet Months" assume that unsaturated conditions exist.
- Rainfall projection provided by www.LongRangeWeather.com, and updated 7/5/2016. Evaporation included in storage projection.
- Past 3 Year Avg. Projection uses historic daily capacity changes averaged from 2013, 2014, 2015

U.S. DROUGHT MONITOR

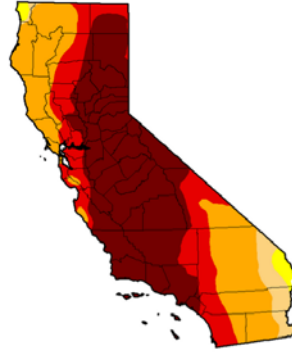
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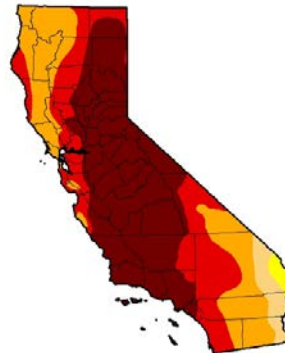
February 2015



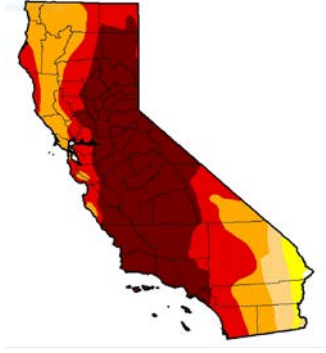
May 2015



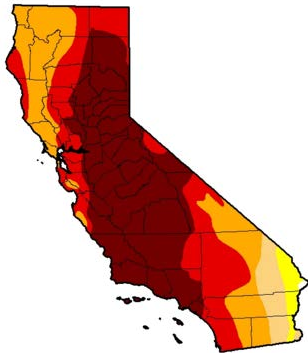
July 2015



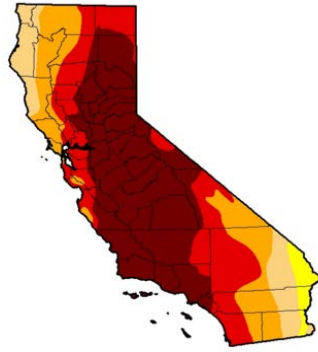
September 2015



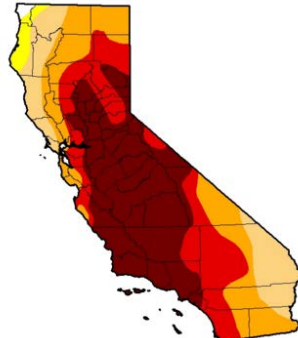
November 2015



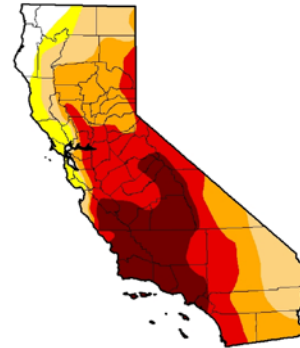
January 2016



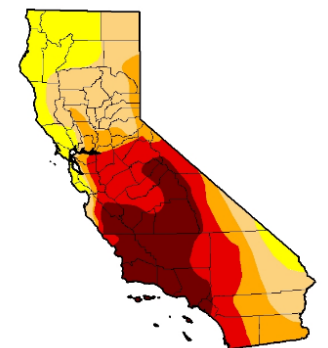
March 2016



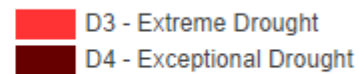
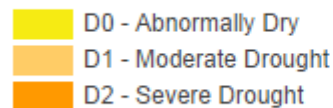
May 2016



July 2016



Intensity:



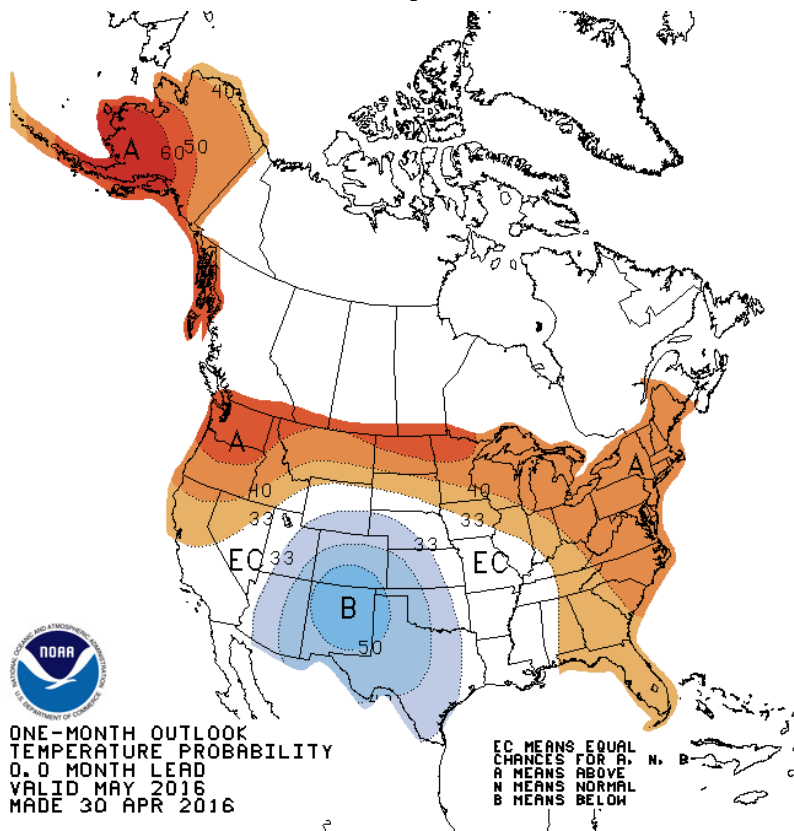
Permission to reproduce the map

If you reproduce the U.S. Drought Monitor map, please use this wording:

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC-UNL.

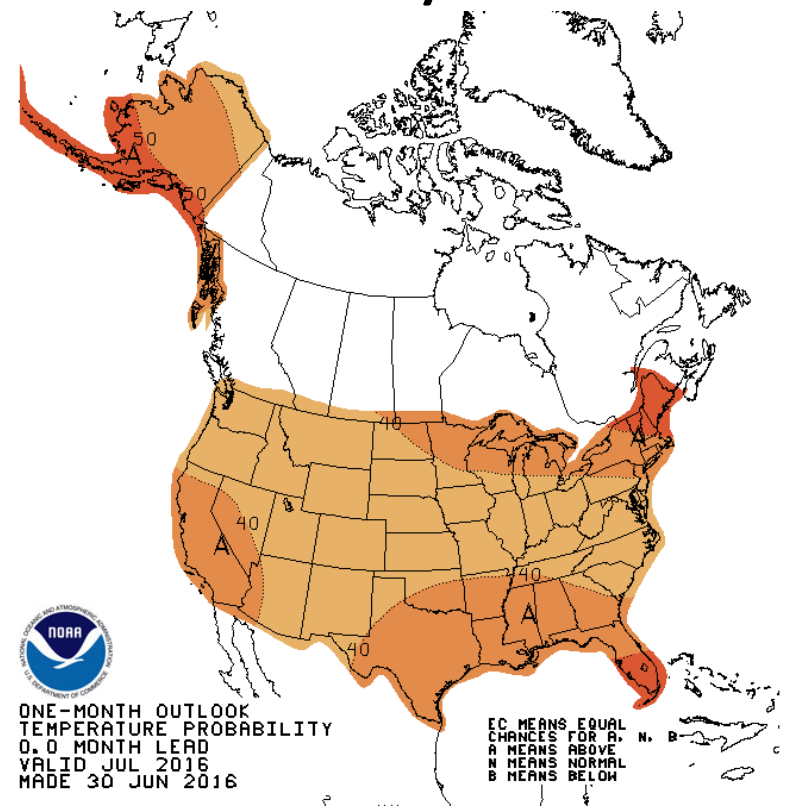
NOAA TEMPERATURE FORECAST

May



May Meeting

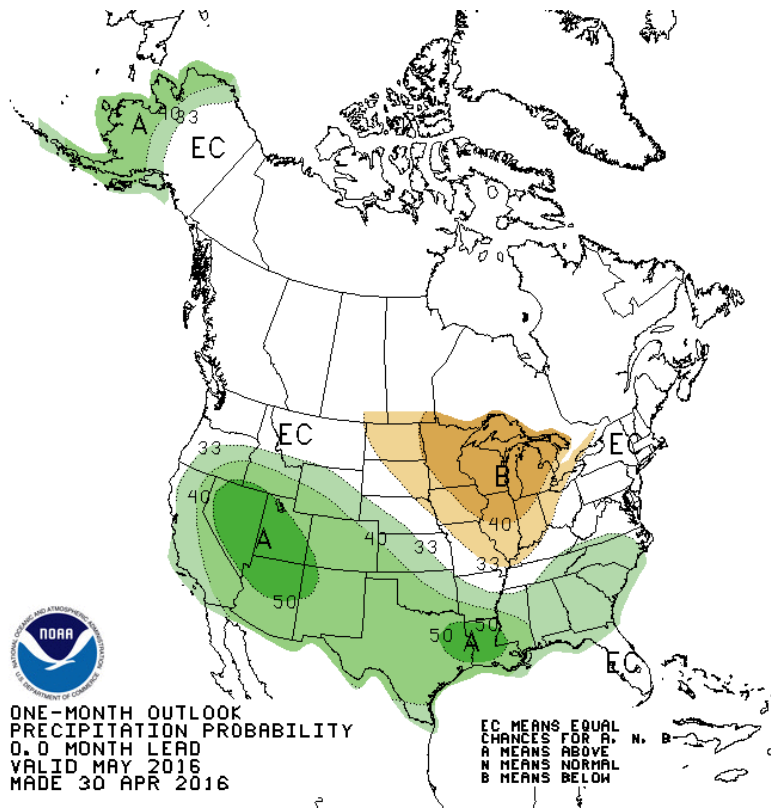
July



July Meeting

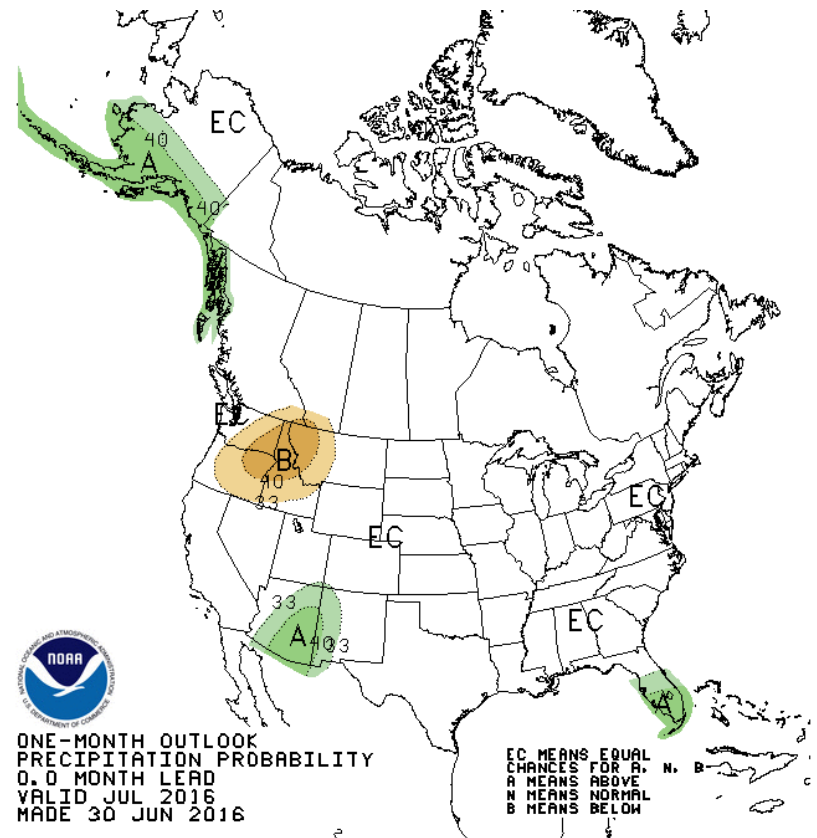
NOAA PRECIPITATION FORECAST

May



May Meeting

July



July Meeting



SAN LUIS OBISPO COUNTY
DEPARTMENT OF PUBLIC WORKS

Wade Horton, Director

County Government Center, Room 206 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.us



MEMORANDUM

TO: Zone 3 Advisory Committee

FROM: Katie Drexhage, Environmental Resource Specialist

DATE: July 21, 2016

SUBJECT: Lopez Water Project HCP Status Update

HCP Status Update

After January's Technical Advisory Committee (TAC) meeting, further information was requested by the TAC regarding water levels in the creek at the different flow rates proposed in the draft Downstream Release Program and information regarding potential effects on the availability of surplus water. Additionally, potential changes to the Zone 3 agencies' water supply contracts may result in revisions to the modeling that ECORP has done for the Downstream Release Program. At this time, work on the draft Downstream Release Program and coordination with the resource agencies is on hold until the District has more information regarding Lopez contractors desired water supply contract changes and how those changes work with the HCP effort.

District staff received a revised Hydrologic Report that ECORP produced in late May. The report is being reviewed for consistency with other technical reports that have been developed for ongoing groundwater management efforts related to management of the adjudicated portion of the Santa Maria Groundwater Basin and concurrent efforts triggered by the Sustainable Groundwater Management Act (SGMA).

In order to provide more information about the interplay between the water supply contracts and HCP efforts, a scope and cost estimate was requested from ECORP to research similar reservoirs with storage models and produce two or three concepts for contracts, ideas for appropriate limits on storage for contracts, and possibly modeling a short list of contract concepts. The modeling would provide each contractor with a picture of how the proposed contract changes would impact their water supply over time. The scope and cost estimate was presented to the TAC during their July 7 meeting for review. Contractors have indicated they will be meeting to discuss the subject on July 27th. We anticipate submitting the TAC's comments on the scope and cost estimate to ECORP by the end of the month.

Water Rights Permit Update

Staff from the State Water Resources Control Board (SWRCB) met with District staff on June 1 to discuss the Lopez Water Project's pending Water Rights Permit. The District anticipates moving ahead with an extension of time and a change permit. According to SWRCB, the extension of time must take into account the time to apply and process the proposed changes to the permit, as well as the time it will take for the reservoir to operate with the proposed operational changes (the amount of time it takes to "build the project out"). Once that occurs,

then the reservoir can become licensed. Therefore, the District will likely request a 20-year time extension.

Additionally, the District is reviewing whether or not the Terminal Reservoir should be added as a point of diversion to the Water Rights Permit. The District may need to consider adding water releases for habitat enhancement (pursuant to Water Code Section 1707) to the Water Rights Permit, which would vest the Downstream Release Program and HCP, providing additional assurances to permitting agencies that water will be used to enhance habitat for listed species.

File: CF 209.09.01

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SAN LUIS OBISPO COUNTY
DEPARTMENT OF PUBLIC WORKS

Wade Horton, Director

County Government Center, Room 206 • San Luis Obispo CA 93408 • (805) 781-5252

Fax (805) 781-1229

email address: pwd@co.slo.ca.us



TO: Zone 3 Advisory Committee
FROM: Joshua Roberts, PE - Capital Projects
DATE: July 21, 2016
SUBJECT: Zone 3 Capital Projects Update

Project Updates:

- Turnout SCADA Project
 - 9 of 10 locations installation complete with punch list items (minor)
 - 10th location awaiting power from PG&E – PG&E scheduled 7/18
 - Cannon to install 10th and wrap punch list to go live following PG&E
- Equipment Replacement Program
 - VFD replacements in process – Install 7/25
- Lopez Dam - Repair V-Ditch adjacent to Spillway
 - Developing scope of work for investigation and recommendations
- Membrane Strainer Replacement Project
 - Reviewing two model options:
 - 1) same model in stainless that is less expensive but harder to service or,
 - 2) new model that are more expensive but easier to service.
- Coagulant Feed Alarm/Meter
 - MKN recommends meter already installed
 - Existing meter was tested and is faulty
 - Pursuing warranty claim & replacement (approx. 2 weeks)
- Terminal Reservoir Intake Repair
 - Completed June 28
- PLC Replacement & Programming
 - Project priority subject to 6th Rack timing
- Parking & Roadway Resurfacing
 - In Design
 - Included with 16/17 Pavement Management – Spring 2017

Upcoming Projects:

- Improve Boat Access
- Cathodic Protection Survey
- Structural Assessment of Terminal Reservoir
- Dam Intake Facility & Operations Assessment
- Pressure Transducers
- Replace Ammonia Analyzer
- Equipment Storage

On Hold Projects:

- Power Monitoring
 - The initial concerns with PG&E have resolved
 - Staff still wants the project but has placed as low priority behind 6th Rack, Strainers, Scaling, etc.
- 6th Rack Addition
 - Construction 80% complete
 - Completion has been delayed until Membrane strainers have been resolved
 - Approximately 2 weeks required to complete install