

**MONTEREY COUNTY WATER RESOURCES AGENCY  
BOARD OF DIRECTORS  
RESERVOIR OPERATIONS COMMITTEE**

**COMMITTEE MEMBERS**

David Hart, Chair  
Ken Ekelund  
Richard Ortiz  
Mark Nielsen  
David Pozzi  
Mark Gonzalez

John Baillie  
Benny Jefferson  
Dean Benedix  
Michael Tozzi (Parks)  
Mark Sandoval (CalParks)

**TIME:** 1:30 p.m.  
**DATE:** Thursday, October 27, 2016  
**PLACE:** Monterey County Water Resources Agency  
Board Room  
893 Blanco Circle  
Salinas, CA 93901

**AGENDA**

- 1. Call to Order**
- 2. Public Comment**  
*(Limited to three (3) minutes per speaker on matters within the jurisdiction of the Agency not listed on this agenda. The public will have the opportunity to ask questions and make statements on agenda items as the Committee considers them.)*
- 3. Approve the Minutes of the Reservoir Operations Committee Meeting held on September 29, 2016**  
The Committee will consider approval of the minutes of the above-mentioned meeting (Attachment 1).
- 4. Presentation by ICON Air staff**  
ICON Air staff will make a presentation of their aircraft and training program for aircraft owners. ICON Air is proposing to enter into an agreement with the Agency to use Nacimiento and/or San Antonio reservoirs as alternative sites to train their aircraft buyers.
- 5. Review the status of both reservoirs; review releases and release schedule**  
Staff will present a summary of current conditions at both reservoirs, as well as provide a synopsis of release changes that have occurred since the last meeting (Attachments 2, 2a, 3, 3a, 4).

6. **Receive report on the status of the Operations Policy Manual for San Antonio and Nacimiento Reservoirs**  
Staff will report on the work being done to update the San Antonio and Nacimiento Reservoirs Operations Policy manual.
7. **Receive report regarding Operations and Maintenance activities at the Reservoirs**  
Staff will present a verbal report discussing the Operations and Maintenance activities at both reservoirs over the last month and the maintenance activities planned for completion during this Fiscal Year.
8. **Receive report regarding Interlake Tunnel Project**  
Staff will report on current activities regarding the Interlake Tunnel Project.
9. **Receive status reports on:**
  - A. **Lake recreation by Concessionaire and Parks Department**
  - B. **Easements and Agency Leases**
  - C. **Quagga / Zebra Mussel Plan**
  - D. **San Luis Obispo County Activities**
  - E. **National Marine Fisheries Service**
  - F. **Cloud Seeding**
10. **Set next meeting date and discuss future Agenda items**  
The Committee will discuss and determine details for its next meeting.
11. **Adjournment**

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Michael Tozzi (Parks)  
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**TIME:** 1:30 PM  
**DATE:** Thursday, September 29, 2016  
**PLACE:** Monterey County Water Resources Agency  
Board Room  
890 Blanco Circle  
Salinas, CA 93901  
(831) 755-4860

**MINUTES**

1. **Call to Order at 1:30 P.M. by Chair David Hart and a quorum was established.**  
**Members present:** David Hart, Ken Ekelund, Richard Ortiz, Mark Nielsen, David Pozzi, John Baillie, Michael Tozzi, Mark Sandoval  
**Members absent:** Mark Gonzalez, Benny Jefferson, Dean Benedix

Bill Stevens, NOAA National Marine Fisheries Service (NMFS), participated in the meeting via Conference Call.

2. **Public Comments: None**
3. **Approve the Minutes of the Reservoir Operations Committee Meeting held on August 25, 2016**

**ACTION:** On motion and second of Committee members Baillie and Ekelund, the Committee approved the minutes, with the correction of Item 7 Public Comment.

**VOTE:** Motion carried unanimously by those members present.

4. **Receive report on the Chimney Fire**  
Brent Buche, Deputy General Manager, reported on this item and Mark Nielsen provided a photo presentation.
5. **Review the status of both Reservoirs; review releases and Release Schedule**  
Jason Demers, Hydrologist, reported on this item. End of flow in the Salinas River is between river miles 86 and 90.

Nacimiento Reservoir elevation is 732.25 feet and 97,913 acre-feet of storage, 26% of capacity, and current release is 60 cfs. San Antonio Reservoir elevation is 664.40 feet and 21,900 acre-feet of storage, 7% of capacity, and current release is 3 cfs.

- 6. Receive report on the status of the Operations Policy Manual for San Antonio and Nacimiento Reservoirs**  
Germán Criollo, Associate Hydrologist, reported on this item. The next Operations Policy Subcommittee meeting is scheduled for 1:30 pm October 31, 2016 at the Agency.
- 7. Receive report regarding Operations and Maintenance activities at the Reservoirs**  
Chris Moss, Senior Water Resources Engineer, reported on this item.
- 8. Receive report regarding operation of the Hydroelectric Plant using the high-head runner**  
Chris Moss, Senior Water Resources Engineer, reported on this item.
- 9. Receive report regarding Interlake Tunnel Project**  
David Chardavoyne, General Manager, reported on this item. Meeting scheduled with California Department of Water Resources on October 6, 2016 to discuss details of the \$10 million that was approved for this project.
- 10. Receive status reports on:**
  - A. Lake Recreation by Concessionaire and Parks Department**  
Mark Sandoval and Michael Tozzi reported on this item.
  - B. Easement and Agency Leases**  
Brent Buche reported on this item.
  - C. Quagga / Zebra Mussel Plan**  
Michael Tozzi reported on this item.
  - D. San Luis Obispo County Activities**  
Brent Buche reported on this item.
  - E. National Marine Fisheries Service**  
Bill Stevens reported on this item.
  - F. Cloud Seeding**  
Brent Buche and Germán Criollo reported on this item.
- 11. Set next meeting date and discuss future Agenda items**  
The next meeting is scheduled for Thursday October 27, 2016. Items for discussion will include a presentation on ICON Air.
- 11. Adjournment by Chair David Hart at 3:29 P.M.**

**SUBMITTED BY: TERESA CAMPA**

**..Title**

Reservoir Release Update

**..Report**

RECOMMENDATION:

None – item presented for informational purposes.

SUMMARY/DISCUSSION:

The Reservoir Operations Committee receives monthly updates on the status of Agency reservoirs.

**RESERVOIR ELEVATION / STORAGE:** As of October 20, 2016, San Antonio Reservoir is at an elevation of approximately 664.05 feet mean sea level (msl), 21,638 acre-feet of storage. Nacimiento Reservoir is at elevation 730.9 feet msl, 94,400 acre-feet of storage. San Antonio Reservoir is currently at 6% of storage capacity and Nacimiento Reservoir is at 25% of capacity.

**RESERVOIR RELEASES:** Minimum fisheries releases are currently being made from both reservoirs. Minor fluctuations in release rates are not presented in this report but are documented in the Salinas Valley Water Project Annual Flow Reports.

Releases as of October 20, 2016:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 3 cfs

Total releases from both reservoirs to the Salinas River are approximately 63 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Spreckels: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River at Soledad: 0 cfs
- Salinas River near Bradley: 50 cfs (steady)

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

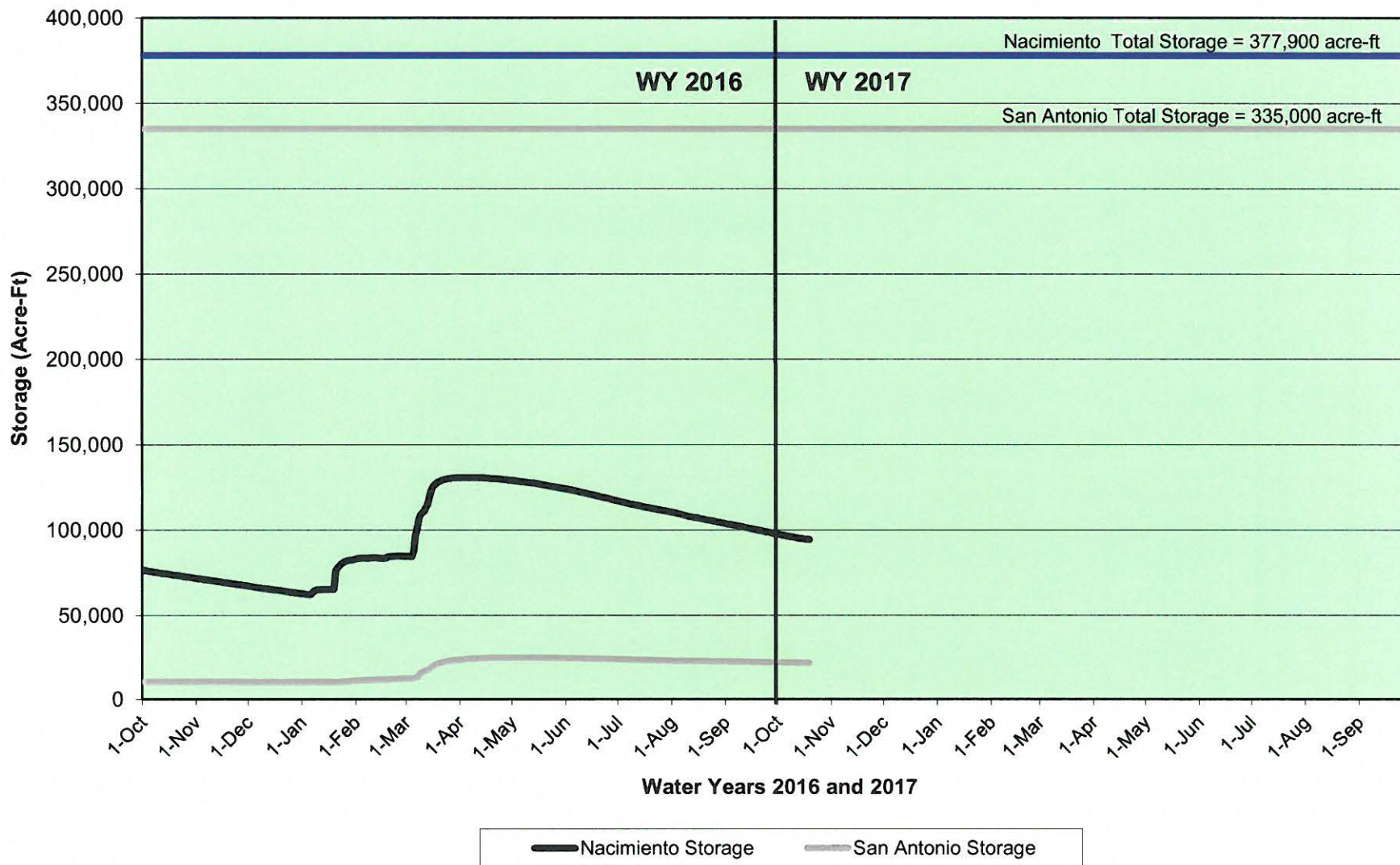
None

Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860  
Jason Demers, Hydrologist, (831) 755-4860

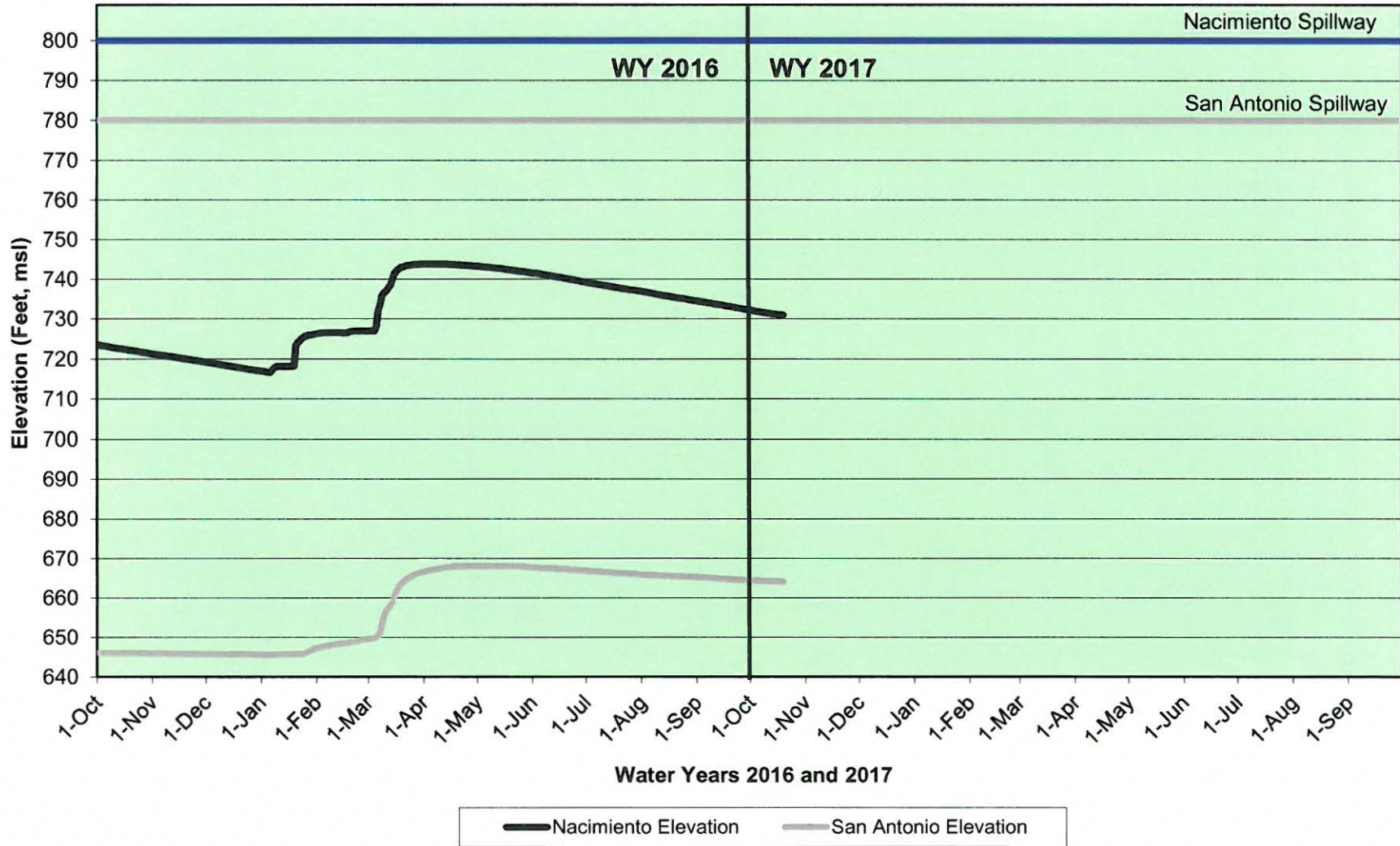
**Synopsis of Reservoir Release Changes from  
December 1, 2015 to October 20, 2016**

Date	San Antonio Reservoir		Nacimiento Reservoir		Total Releases
	Starting Flow	Ending Flow	Starting Flow	Ending Flow	
December 8, 2015	3	2	60	60	62
December 18, 2015	2	3	60	60	63

### Reservoir Storage



## Reservoir Elevation





**MONTEREY COUNTY WATER RESOURCES AGENCY**  
**PRELIMINARY - Estimated Elevation/Storage/NWP Diversions; after October 1<sup>st</sup>**

10/20/2016

**RESERVOIR RELEASE SCHEDULE FOR 2016**

	NACIMIENTO								SAN ANTONIO					
	Combined Releases (cfs)*	Combined Releases (ac-ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Storage (ac-ft)	Elev. (ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	Storage (ac-ft)	Elev. (ft)
1/1/2016	63	3,874	208	60	3,689	576	247	62,755	717.0	67	3	184	10,254	645.5
2/1/2016	63	3,624	225	60	3,451	716	309	83,120	726.3	67	3	173	11,065	647.1
3/1/2016	63	3,874	498	60	3,689	1,012	412	84,680	727.0	128	3	184	12,282	649.5
4/1/2016	63	3,749	845	60	3,570	1,101	439	130,685	743.7	222	3	179	23,630	666.6
5/1/2016	63	3,874	1,408	60	3,689	1,112	562	129,008	743.2	393	3	184	24,750	668.0
6/1/2016	63	3,749	1,902	60	3,570	2,106	680	123,975	741.5	535	3	179	24,430	667.6
7/1/2016	63	3,874	2,009	60	3,689	2,121	742	116,795	739.1	571	3	184	23,790	666.8
8/1/2016	63	3,874	1,846	60	3,689	2,121	923	110,475	736.9	520	3	184	22,950	665.8
9/1/2016	63	3,749	1,492	60	3,570	1,686	849	103,630	734.4	420	3	179	22,510	665.2
10/1/2016	63	3,874	1,051	60	3,689	1,189	TBR	97,515	732.1	300	3	184	21,863	664.4
11/1/2016	63	3,749	517	60	3,570	631	TBR	91,586	729.8	160	3	179	21,379	663.7
12/1/2016	63	3,874	320	60	3,689	354	TBR	86,868	727.8	98	3	184	21,040	663.3
1/1/2017	63	3,874		60	3,689			82,504	726.0		3	184	20,758	662.9
<b>TOTALS:</b>		<b>45,736</b>	<b>12,321</b>		<b>43,558</b>	<b>14,724</b>	<b>5,163</b>			<b>3,480</b>		<b>2,178</b>		

\* Mean daily flow for the month in cubic feet per second.

\*\* Evap. Losses estimated from long term pan evaporation data at Nacimiento and San Antonio Reservoirs.

**NOTES:**

- Nacimiento Reservoir storage capacity 377,900 acre feet.
- San Antonio Reservoir storage capacity 335,000 acre feet.
- Reservoir Operations Committee may make release considerations for fish spawn and holiday periods to benefit recreation.
- Shaded areas represent periods when elevations are influenced by inflow/runoff; releases may include flood control releases.
- Preliminary Schedule assumes no inflow to reservoirs after May 1st.
- "NWP Diversions" are San Luis Obispo County - Nacimiento Water Project conveyance facilities diversions. Max. allowable diversions for water year (Oct. 1 - Sept. 30) are 15,750 ac-ft. To Be Reported (TBR)
- NACIMIENTO "NWP Diversions" do not include lakeside water use which is estimated at approximately 1,750 acre feet per year.