

ITEM: CONSENT CALENDAR

REVISED 5/18/2016

6. RECEIVE AND FILE DISTRICT-WIDE ANNUAL WATER DISTRIBUTION SYSTEM PRODUCTION SUMMARY REPORT FOR WATER YEAR 2015

Meeting Date:	May 16, 2016	Budgeted:	N/A
From:	David Stoldt, General Manager	Program/ Line Item No.:	Hydrologic Monitoring N/A
Prepared By:	Thomas Lindberg	Cost Estimate:	N/A

General Counsel Approval: N/A
Committee Recommendation: N/A
CEQA Compliance: N/A

SUMMARY: Staff has prepared the draft Water Production Summary Report for Water Distribution Systems (WDSs) within the Monterey Peninsula Water Management District (District) for Water Year (WY) 2015. WY 2015 covers the 12-month period from October 1, 2014 through September 30, 2015. Preliminary computations indicate that 11,012 acre-feet (AF) of water were produced by the 148 recognized WDSs in the District during WY 2015. In general, recognized WDSs refer to systems that either: (a) have received a WDS permit, or (b) have been confirmed as a pre-existing system prior to District rules that expanded WDS permitting requirements. The California American Water (Cal-Am) main system, which is the largest WDS in the District, accounted for 9,666 AF or approximately 91% of the total production reported by WDSs in WY 2015.

RECOMMENDATION: This report is for informational purposes only. The Board should review the draft summary report and provide staff with any comments or questions. Staff will complete and file the final report, incorporating any late revisions, if this item is approved with the Consent Calendar.

BACKGROUND: All owners and operators of WDSs within the District are required to annually submit water production information to the District. In 1980, District Ordinance No. 1 defined a WDS as *works within the District used for the collection, storage, transmission, or distribution of water from the source of supply to the connection of a system providing water service to any connection including all water-gathering facilities and water-measuring devices*. Therefore, all wells within the District are considered to be WDSs. However, until the adoption of Ordinance No. 96 in 2001, only multiple-parcel WDSs were required to obtain a permit from the District. Other refinements to the Rules and Regulations governing WDSs were added with the adoption of Ordinance No. 105 in 2002; Ordinance No. 106 in 2003; Ordinance No. 118 in 2005; and Ordinance No. 122 in 2006.

One new single-parcel WDS was established in WY 2015 (Garcia) and one was amended (Oh Well). One multiple-parcel WDS (Mal Paso) was established in WY 2015, and the CAW system was amended several times (CAW/DBO Amendment, CAW/Ryan Ranch CHOMP Amendment,

CAW/Mal Paso Amendment, and the Ryan Ranch-Bishop Emergency Interconnection). All of the potable water produced by the Sand City Desalination Plant was provided to the Cal-Am main system, and that amount (245.42 AF) and is reported separately on this table. In WY 2015, no water was delivered for customer Service to the Cal-Am system from the Aquifer Storage and Recovery (ASR) project. It is also noted that the Cañada Woods Alluvial, Cañada Woods Upland and Monterra Ranch WDSs have been merged into the Cañada Woods Water Company WDS since WY 2005, although they are reported separately here to facilitate comparisons from one year to another.

Each WDS must report the amount of water produced and where required, the amount of water delivered, in addition to the number of existing and new connections served during the reporting period. The information for WY 2015 is summarized in **Exhibit 6-A**. The WDSs shown are grouped by source area. This information is also incorporated into the District-Wide Water Production Summary Report, presented as the following item of the Consent Calendar of this packet. For comparative purposes, the Annual WDS Production Summary Report for WY 2014 is provided as **Exhibit 6-B**.

Production figures for three WDSs -- Bishop, Ryan Ranch, and Hidden Hills Units -- are reported separately from the Cal-Am main system, although Cal-Am owns and operates each of these satellite units. The Ryan Ranch Unit was acquired and annexed into the Cal-Am system in November 1989. The Hidden Hills Unit, which formerly reported as the Carmel Valley Mutual Water Company, was acquired and annexed into the Cal-Am system in March 1993. The Bishop Unit, which has been operated by Cal-Am since September 1996, was acquired and annexed into the Cal-Am system in July 1999. Although water production and delivery values for the Bishop, Hidden Hills and Ryan Ranch Units are reported separately from the values for Cal-Am's main system in this report, they are included in Cal-Am's total production in the District-wide Production Summary Report (**Exhibit 7-A**) as "Cal-Am Wells Within the Water Resources System".

Three systems that are operated by the Cañada Woods Water Company (CWWC) are tracked separately in this report but are part of an interconnected system. The production shown in **Exhibit 6-A** for Monterra Ranch includes water produced from wells that was sent to the system's reverse osmosis (RO) desalination plant and un-treated water that was produced for non-potable purposes. The consumption loss for the CWWC includes water line flushing and unmetered construction and irrigation uses. Beginning in WY 2010, the system loss calculation was revised by CWWC to present a single composite system loss value.

District-wide - Total WDS production within the District for WY 2015 was 11,012 AF. Of this total, the Cal-Am main system (i.e., not including the Bishop, Hidden Hills and Ryan Ranch Units) accounted for 91% of the water produced by WDSs within the District. The other 147 systems (i.e., including the Bishop, Hidden Hills and Ryan Ranch Units) accounted for the remaining 9 percent of production. Total WDS production for WY 2015 is 866 AF (7%) less than the production reported for WY 2014. During WY 2015, Cal-Am's main system production decreased by 949 AF (9%), while reported non Cal-Am WDS production increased by 83 AF (7%), relative to production in WY 2014.

Monterey Peninsula Water Resources System (MPWRS) - Total WDS production from the MPWRS, which includes the Carmel River and its tributaries, the Carmel Valley alluvial aquifer, the Seaside Groundwater Basin was 10,355 AF in WY 2015.

The comparisons below include production from Cal-Am's satellite systems (Bishop, Hidden Hills and Ryan Ranch Units) that derive their source of supply from the Laguna Seca Subarea (LSS) of the Seaside Groundwater Basin. The LSS was added to the MPWRS with the adoption of Ordinance No. 135 on September 22, 2008. Total WDS production within the MPWRS decreased by 1,055 AF (9%) in WY 2015 compared to production in WY 2014. In WY 2015, production by Cal-Am from within the MPWRS decreased by 991 AF (9%) and the combined production from 22 other active systems within the MPWRS decreased by 64 AF (15%), relative to production reported for WY 2014.

EXHIBITS

6-A Water Production Summary Report for Water Distribution Systems for Water Year 2015

6-B Water Production Summary Report for Water Distribution Systems for Water Year 2014

WATER DISTRIBUTION SYSTEM REPORT – WATER YEAR 2015

Notes:

1. Information shown is as provided by system owners and operators unless otherwise noted.
2. Methods for reporting production are either Land Use (LU) or Water Meter (WM).
3. The source areas are as follows:
 AS1 – Upper Carmel Valley – San Clemente Dam to Esquiline Bridge
 AS2 – Mid Carmel Valley – Esquiline Bridge to Narrows
 AS3 – Lower Carmel Valley – Narrows to Via Mallorca Bridge
 AS4 – Via Mallorca Bridge to Lagoon
 SCS – Seaside Coastal Subareas
 CAC – Cachagua
 CVU – Carmel Valley Upland
 LSS – Laguna Seca Subarea
 MIS – Peninsula, Carmel Highlands and San Jose Creek areas
4. California American Water (Cal-Am) main system production includes 2,436.8 AF from Seaside coastal wells and 7,228.2 AF from Carmel Valley wells. 416.9 AF of water produced by the former Water West wells in Water Year (WY) 2015 are included in the total for Cal-Am production from Carmel Valley. The Seaside coastal total includes 7.50 AF of water transferred to the Seaside Municipal Water System in WY 2015. The Carmel Valley well total includes 1.29 AF transferred to the Ryan Ranch Unit in 2015. 245.4 AF of potable water were produced by the City of Sand City Desalination Plant, provided to the main system, and are counted separately from Cal-Am production on this table. 215.19 AF of water were provided for injection to ASR wells in the Seaside Basin from Cal-Am wells in Carmel Valley. No water was counted as ASR recovery from Seaside coastal wells in WY 2015. No water was diverted from San Clemente Reservoir during WY 2015.
5. Cal-Am’s main system deliveries total 8,987.4 AF. This total was derived as shown:

<u>Reported Cal-Am Consumption</u>	
<u>Water Year 2015 (AF)</u>	
City Total	6,305.11
County Total	2,671.44
subtotal	8,976.55
CV Irrigation	0.04
PB-LCP	10.81
Total	8,987.40

6. N.A. refers to data that are not available and N.R. refers to systems that did not report.
7. The Garcia Water Distribution System (WDS) was approved in WY 2014, but only added to this report in WY 2015. The Mal Paso WDS was approved in WY 2015, which also required an amendment to the CAW WDS. The CAW WDS was amended three more times in WY 2015 (Ryan Ranch-Bishop Interconnection, CHOMP Ryan Ranch amendment, and CAW/DBO amendment). The Reppy WDS consists of one well with specific limits on two separate meters, and so, it appears twice, once as “domestic” and again as “irrigation”. That system and the All Saints WDS represent revisions to the previously approved and amended Bardis WDS. Also, the Monterra Ranch, Cañada Woods North (Upland) and Cañada Woods (Alluvial) WDSs were combined to form the *Cañada Woods Water Company WDS* in 2005, although they are reported separately here to facilitate historical comparisons.
8. The names of Cachagua Road #1 and #2 were switched in Reporting Year 1999 to agree with records of the Monterey County Department of Health. Older District records have the names of these two systems reversed.
9. Bishop Unit is operated by Cal-Am; acquired July 1999.
10. Rancho Fiesta has been operated by Cal-Am for over 25 years; all production and delivery is by the main Cal-Am system. Accordingly, the Rancho Fiesta system is not tracked separately in this report.

11. Hidden Hills was formerly referred to as Carmel Valley Mutual; annexed to Cal-Am in 1993.
12. The Ryan Ranch Unit is owned and operated by Cal-Am. 1.28 AF produced by wells in Cal-Am's Main System were delivered to the Ryan Ranch Unit in WY 2015 and were included with Cal-Am Main System total production.
13. Three systems that are operated by the Canada Woods Water company are tracked separately in this table but are part of an interconnected system. For the CWWC, consumption loss includes water line flushing and unmetered construction and irrigation uses. Beginning in 2010, system loss calculations were revised by CWWC to present a single composite loss value.

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