

# **APPENDIX L**

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## **Alternative Supply – Demand Scenarios**

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# APPENDIX L

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## Alternative Supply – Demand Scenarios

Sections 8.2.13.2 and 8.2.13.3 of Master Response 13, Demand (Project Need) and Growth, summarize the EIR/EIS demand and supply assumptions, respectively, and document why they are reasonable. However, questions have been raised as to whether the project is necessary or could be smaller if one considered different supply and demand numbers that some commenters believe are more reasonable than those used in the Draft EIR/EIS. This appendix was prepared to test that possibility by considering the results of using different supply and demand numbers. The primary consideration is whether facts exist to support a smaller desalination plant (e.g., having one less reverse osmosis [RO] unit) such that either a smaller plant or a phased plant could be approved for the 9.6 mgd project or the 6.4 mgd Alternative 5a. The results of this sensitivity analysis could inform and affect the ultimate project decision.

The alternative supply and demand scenarios include two demand scenarios, each coupled with six alternative supply scenarios. Alternative demand Scenario 1 assumes that annual demand consists of demand in 2013, rather than 2010, and alternative demand Scenario 2 assumes that annual demand consists of demand in 2015, rather than 2010. The recent drought was underway in 2013 but 2013 is the most recent demand year before the drought emergency regulations were issued in January 2014 and thus avoids potentially temporary decreases in demand that occurred in response to the declared drought emergency. Of the last two years for which demand data are available, as of September 2017, demand in 2015 was slightly higher than in 2016. Use of 2015 to represent annual demand assumes that much of the conservation programs and behaviors adopted during the drought, including during the declared drought emergency, will continue in the future, but allows for a slight “relaxation” in conservation compared to 2016, the last year of the five-year drought. Both the 2013 and 2015 demand scenarios also assume the following:

- the remaining Pebble Beach entitlement assumed for the MPWSP (325 afy) would need to be served, given that this volume represents an entitlement
- development of lots of record would require half as much supply as was assumed for the MPWSP and shown in EIR/EIS Table 2-3 (590 afy rather than 1,180 afy)
- economic recovery of the tourism industry would require half as much supply as was proposed for this demand component for the MPWSP and shown in EIR/EIS Table 2-3 (250 afy rather than 500 afy)

**Table L-1** summarizes the two alternative demand scenarios and the demand assumed in the EIR/EIS.

**TABLE L-1  
 MPWSP DEMAND AND ALTERNATIVE DEMAND SCENARIOS (AFY)**

	<b>MPWSP: 2010</b>	<b>Scenario 1: 2013</b>	<b>Scenario 2: 2015</b>
Annual Demand	12,270	11,356	9,545
Pebble Beach Entitlements	325	325	325
Anticipated Demands <sup>a</sup>	1,680	840	840
<b>Total</b>	<b>14,270</b>	<b>12,521</b>	<b>10,710</b>

NOTES:

<sup>a</sup> Anticipated demands consist of demand associated with development of currently vacant lots of record and economic recovery of the hospitality industry.

The two demand scenarios were combined with variations on the amount of water assumed to be provided by two of CalAm’s other supply sources, the Sand City desalination plant and the Seaside Basin Aquifer Storage and Recovery (ASR) system. Specifically, the alternative supply scenarios assumed that the Sand City desalination plant would provide either 94 afy, CalAm’s long-term<sup>1</sup> share of plant production pursuant to agreements between CalAm and the city of Sand City as assumed for the MPWSP, or 230 afy, the amount assumed to be available to CalAm until Sand City needs the 136 afy difference for its own use, as described in Note f in EIR/EIS Table 2-4, and in EIR/EIS Section 5.4.2 under the discussion of No Project Alternative. The timing and amount of availability of water for CalAm in excess of 94 afy is solely a function of growth in Sand City. The latter assumption would require that by the time Sand City needs any of the 136 afy above CalAm’s long term supply, CalAm will have identified a replacement supply for it or that service area demand will have been reduced by this amount. The supply scenarios include three possible ASR system supplies: 1,300 afy, as assumed for the MPWSP; 1,600 afy, as MPWMP currently estimates assuming construction of the new Monterey Pipeline and accounting for different water year types; or no water from the ASR system, to approximate ASR supply in drought conditions when any ASR reserves have been depleted and stream flows are too low to divert water from the Carmel River for ASR injection. All supply scenarios assume that 3,376 afy is available from the Carmel River, consistent with SWRCB Order 95-10’s determination of CalAm’s lawful right, and that CalAm is providing in lieu replenishment to the Seaside Groundwater Basin (SGB) such that 774 afy of CalAm’s 1,474 afy adjudicated right is available to CalAm. **Table L-2** summarizes the alternative supply scenarios. The two demand and three supply scenarios were combined to create six supply and demand scenarios assuming 2013 annual demand (Scenarios 1a through 1f) and six assuming 2015 annual demand (Scenarios 2a through 2f). Scenarios 1a and 2a assume the same supply volumes assumed for the MPWSP during the Seaside Groundwater Basin replenishment period, but combined with the alternative demand scenarios described above. **Tables L-3 and L-4** show the assumptions for the combined supply and demand scenarios. Each scenario assumed a 6 percent Salinas Valley Groundwater Basin (SVGB) return water obligation for a 9.6 mgd plant 1,620 afy.

<sup>1</sup> MPWMD Ordinance 132 indicates that the 94 afy is permanently added to the broader CalAm system.

**TABLE L-2  
ALTERNATIVE SUPPLY SCENARIOS (AFY)**

	Supply Scenario a	Supply Scenario b	Supply Scenario c	Supply Scenario d	Supply Scenario e	Supply Scenario f
Sand City Desalination Supply	94 <sup>a</sup>	230 <sup>b</sup>	94 <sup>a</sup>	230 <sup>b</sup>	94 <sup>a</sup>	230 <sup>b</sup>
ASR Supply	1,300 <sup>c</sup>	1,300 <sup>c</sup>	1,600 <sup>d</sup>	1,600 <sup>d</sup>	0 <sup>e</sup>	0 <sup>e</sup>
Carmel River Supply	3,376	3,376	3,376	3,376	3,376	3,376
Seaside Groundwater Basin Supply	774	774	774	774	774	774
<b>Total Other Supplies</b>	<b>5,544</b>	<b>5,680</b>	<b>5,844</b>	<b>5,980</b>	<b>4,244</b>	<b>4,380</b>

NOTES:

- <sup>a</sup> CalAm's long-term supply from the Sand City desalination plant.
- <sup>b</sup> Estimated near-term supply available to CalAm from the Sand City desalination plant.
- <sup>c</sup> Average annual ASR supply assumed for the MPWSP.
- <sup>d</sup> Average annual ASR supply estimated by MPWMD to be available with the Monterey Pipeline and accounting for different water year types.
- <sup>e</sup> ASR supply in an extended drought that has depleted previously injected supplies.

**TABLE L-3  
SCENARIO 1A-1F (AFY)**

	Scenario 1a	Scenario 1b	Scenario 1c	Scenario 1d	Scenario 1e	Scenario 1f
Annual Demand	11,356	11,356	11,356	11,356	11,356	11,356
Pebble Beach Entitlements	325	325	325	325	325	325
Anticipated Demands <sup>a</sup>	840	840	840	840	840	840
<b>Total Demand</b>	<b>12,521</b>	<b>12,521</b>	<b>12,521</b>	<b>12,521</b>	<b>12,521</b>	<b>12,521</b>
Sand City Desalination Supply	94 <sup>b</sup>	230 <sup>c</sup>	94 <sup>b</sup>	230 <sup>c</sup>	94 <sup>b</sup>	230 <sup>c</sup>
ASR Supply	1,300 <sup>d</sup>	1,300 <sup>d</sup>	1,600 <sup>e</sup>	1,600 <sup>e</sup>	0 <sup>f</sup>	0 <sup>f</sup>
Carmel River Supply	3,376	3,376	3,376	3,376	3,376	3,376
Seaside Groundwater Basin Supply	774	774	774	774	774	774
<b>Total Other Supplies</b>	<b>5,544</b>	<b>5,680</b>	<b>5,844</b>	<b>5,980</b>	<b>4,244</b>	<b>4,380</b>

NOTES:

- <sup>a</sup> Anticipated demands consist of demand associated with development of currently vacant lots of record (590 afy) and economic recovery of the hospitality industry (250 afy).
- <sup>b</sup> CalAm's long-term supply from the Sand City desalination plant.
- <sup>c</sup> Estimated near-term supply available to CalAm from the Sand City desalination plant.
- <sup>d</sup> Average annual ASR supply assumed for the MPWSP.
- <sup>e</sup> Average annual ASR supply estimated by MPWMD to be available with the Monterey Pipeline and accounting for different water year types.
- <sup>f</sup> ASR supply in an extended drought that has depleted previously injected supplies.

**TABLE L-4  
SCENARIO 2A-2F (AFY)**

	Scenario 2a	Scenario 2b	Scenario 2c	Scenario 2d	Scenario 2e	Scenario 2f
Annual Demand	9,545	9,545	9,545	9,545	9,545	9,545
Pebble Beach Entitlements	325	325	325	325	325	325
Anticipated Demands <sup>a</sup>	840	840	840	840	840	840
<b>Total Demand</b>	<b>10,710</b>	<b>10,710</b>	<b>10,710</b>	<b>10,710</b>	<b>10,710</b>	<b>10,710</b>
Sand City Desalination Supply	94 <sup>b</sup>	230 <sup>c</sup>	94 <sup>b</sup>	230 <sup>c</sup>	94 <sup>b</sup>	230 <sup>c</sup>
ASR Supply	1,300 <sup>d</sup>	1,300 <sup>d</sup>	1,600 <sup>e</sup>	1,600 <sup>e</sup>	0 <sup>f</sup>	0 <sup>f</sup>
Carmel River Supply	3,376	3,376	3,376	3,376	3,376	3,376
Seaside Groundwater Basin Supply	774	774	774	774	774	774
<b>Total Other Supplies</b>	<b>5,544</b>	<b>5,680</b>	<b>5,844</b>	<b>5,980</b>	<b>4,244</b>	<b>4,380</b>

## NOTES:

- <sup>a</sup> Anticipated demands consist of demand associated with development of currently vacant lots of record (590 afy) and economic recovery of the hospitality industry (250 afy).
- <sup>b</sup> CalAm's long-term supply from the Sand City desalination plant.
- <sup>c</sup> Estimated near-term supply available to CalAm from the Sand City desalination plant.
- <sup>d</sup> Average annual ASR supply assumed for the MPWSP.
- <sup>e</sup> Average annual ASR supply estimated by MPWMD to be available with the Monterey Pipeline and accounting for different water year types.
- <sup>f</sup> ASR supply in an extended drought that has depleted previously injected supplies.

The proposed MPWSP 9.6 mgd desalination plant would consist of six 1.6 mgd reverse osmosis (RO) units and the 6.4 mgd plant considered under Alternative 5a would consist of four 1.6 mgd RO units. The desalination plant must provide adequate supply, with CalAm's other sources, to meet peak hour, day, and month demands. For either a smaller plant or a phased plant to be feasible based on any of these the alternative supply and demand scenarios, this analysis assumes that average daily supply each month must exceed average daily demand by 1.6 mgd or more, such that it would be feasible, at least theoretically, to eliminate an RO unit. With these considerations in mind, monthly operations tables were prepared based on the 12 supply and demand scenarios described above. Total system demand plus SVGB return water requirements were subtracted from total system supplies. The 1.6 mgd was then subtracted from that difference each month. For most scenarios the result of subtracting 1.6 mgd were positive in some months (indicating there was enough excess supply that month to remove 1.6 mgd) and negative in other months (there was not enough excess supply that month to remove 1.6 mgd without incurring a supply shortfall).

This analysis assumes that excess supply available in those months showing excess supply (a positive difference) could be shifted to months showing a deficit in supply (a negative difference). For example, if after subtracting 1.6 mgd there was a shortfall of supply to meet demand one month, the amount of supply delivered to ASR storage could be reduced that month and the amount of supply delivered directly to the distribution system increased by a

corresponding quantity. In a month showing excess supply, the amount of supply delivered to ASR storage could be increased, to compensate for the decrease made in another month, and the amount of supply delivered to the distribution system decreased. To test whether supply deficits shown for any months could be averted by shifts in supply going to ASR storage versus going to the distribution system, the results for each month of subtracting 1.6 mgd from the difference of total supply minus total production demand were added together for the year. If that sum was positive, it was assumed that supplies could be shifted such that supplies would be adequate to meet demands in all months if an RO unit were eliminated. If that sum was negative, it was assumed that excess supplies were insufficient to eliminate supply deficits in one or more months if an RO unit were eliminated. This is only a preliminary test of the potential to reduce plant size based on the alternative supply and demand assumptions. **Tables L-5 through L-16** showing monthly operations for each scenario are presented at the end of this appendix.

## Results

**Scenario 1:** Assuming that the ASR system provided at least as much supply as the 1,300 afy assumed in the Draft EIR/EIS – i.e., Scenarios 1a, 1b, 1c, and 1d in Table L-4 – the plant size could be reduced by one 1.6 mgd RO unit. This would reduce the plant size from 9.6 to 8.0 mgd for the proposed project or from 6.4 to 4.8 mgd for Alternative 5a. However, in a drought when little or no supply was available from the ASR system – Scenarios 1e and 1f in Table L-4 – there would be insufficient supply to meet demand if the plants were one RO unit smaller. For all Scenario 1 options, the amount of supply provided when all proposed RO units were operational would not exceed the amount of water needed for growth under adopted general plans discussed in the Draft EIR/EIS. Therefore, the supply and demand assumptions in these scenarios would not change the Draft EIR/EIS conclusions about the project’s growth inducing impact. A key issue, in considering Scenarios 1a through 1f, is that the recent severe, five year drought demonstrated that it is not reasonable to assume that there would never be drought conditions that could deplete ASR reserves. Consequently, any reductions in plant size based on scenarios that assume adequate ASR supplies would be available in all years would need to be considered carefully.

**Scenario 2:** Based on Scenario 2 demand assumptions, the plant size could be reduced by one RO unit even in drought conditions with no ASR supply. Assuming the availability of ASR system supplies, i.e., non-drought conditions – Scenarios 2a, 2b, 2c, and 2d in Table L-5 – plant size could be reduced by two RO units. This would reduce the plant size from 9.6 to 6.4 mgd for the proposed project or from 6.4 to 3.2 mgd for Alternative 5a. However, in a drought when little or no supply was available from the ASR system – Scenarios 2e and 2f in Table L-5 – there would be insufficient supply to meet assumed demands if the plants were two RO units smaller. Under Scenarios 2a through 2d, which would allow for elimination of two RO units, if at least one unit was *not* eliminated, the amount of supply that could be provided in excess of demand **would exceed the amount of water needed for growth under adopted general plans described in the Draft EIR/EIS. This would change the Draft EIR/EIS conclusion regarding the consistency of the project with planned growth and thus the project’s growth inducing impact.** However, as discussed above regarding Scenario 1, the recent drought has shown that it is not reasonable to assume there will never be drought conditions that could deplete ASR reserves and eliminate this as a supply source in some years. Given that development under

general plan buildout would require adequate supply in all water year types, including droughts, Scenarios 2e and 2f – are more reasonable scenarios to plan for to ensure the adequacy of supplies in all years. Supplies under these scenarios are therefore the more appropriate volumes with which to compare with the amount of water needed for general plan buildout. The amount of water that would be provided in excess of demand under Scenarios 2e and 2f is within the amount of water needed for growth under adopted general plans discussed in the Draft EIR/EIS; therefore, the supply and demand assumptions in these scenarios would not change the Draft EIR/EIS conclusions about the project’s growth inducing impact.



	31	28	31	30	31	30	31	31	30	31	30	31		
Demand Scenario 1: Annual demand =2013 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario a: 1300 afy from ASR; 94 afy from Sand City desalination plant	<b>Table X-5: Scenario 1a</b>													
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>	
Average Demand	8.5	8.9	9.7	11.2	12.8	13.0	13.4	13.4	12.7	11.3	10.1	9.2	12,534	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total System Production Demand</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>11.9</b>	<b>15.1</b>	<b>15.5</b>	<b>15.8</b>	<b>15.8</b>	<b>15.1</b>	<b>13.0</b>	<b>10.8</b>	<b>9.7</b>	<b>14,154</b>	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	94	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
<b>Total Supplies to Distribution System</b>	<b>9.5</b>	<b>9.8</b>	<b>10.3</b>	<b>10.9</b>	<b>14.1</b>	<b>16.1</b>	<b>16.7</b>	<b>16.4</b>	<b>16.1</b>	<b>13.0</b>	<b>11.1</b>	<b>9.1</b>	<b>14,300</b>	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.0</b>	<b>10.2</b>	<b>10.9</b>	<b>11.6</b>	<b>16.4</b>	<b>18.6</b>	<b>19.1</b>	<b>18.8</b>	<b>18.6</b>	<b>14.6</b>	<b>11.7</b>	<b>9.6</b>	<b>15,920</b>	
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.0</b>	<b>0.8</b>	<b>0.6</b>	<b>-0.3</b>	<b>1.3</b>	<b>3.1</b>	<b>3.3</b>	<b>3.0</b>	<b>3.4</b>	<b>1.6</b>	<b>1.0</b>	<b>-0.1</b>	<b>1,765</b>	
<b>Minus 1.6 mgd</b>	<b>-0.6</b>	<b>-0.8</b>	<b>-1.0</b>	<b>-1.9</b>	<b>-0.3</b>	<b>1.5</b>	<b>1.7</b>	<b>1.4</b>	<b>1.8</b>	<b>0.0</b>	<b>-0.6</b>	<b>-1.7</b>	<b>Sum Less 1 RO = -0 --&gt;</b>	<b>-0.3</b>
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>4.4</b>	<b>7.3</b>	<b>7.8</b>	<b>7.4</b>	<b>7.4</b>	<b>3.3</b>	<b>1.0</b>	<b>0.0</b>	<b>3,675</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														

	31	28	31	30	31	30	31	31	30	31	30	31	
Demand Scenario 1: Annual demand =2013 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario b: 1300 afy from ASR; 230 afy from Sand City desalination plant	<b>Table X-6: Scenario 1b</b>												
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>
Average Demand	8.5	8.9	9.7	11.2	12.8	13.0	13.4	13.4	12.7	11.3	10.1	9.2	12,534
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
Total System Production Demand	9.0	9.4	10.3	11.9	15.1	15.5	15.8	15.8	15.1	13.0	10.8	9.7	14,154
<b>System Supplies</b>													
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771
Sand City Desalinated Supply to Distribution System	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	230
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
Total Supplies to Distribution System	9.7	9.9	10.5	11.1	14.2	16.2	16.8	16.5	16.2	13.1	11.2	9.2	14,436
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.1</b>	<b>10.4</b>	<b>11.0</b>	<b>11.8</b>	<b>16.5</b>	<b>18.7</b>	<b>19.2</b>	<b>18.9</b>	<b>18.7</b>	<b>14.7</b>	<b>11.8</b>	<b>9.7</b>	<b>16,056</b>
Difference -Total Supply minus Total Production Demand	1.2	1.0	0.8	-0.1	1.4	3.2	3.4	3.1	3.5	1.7	1.1	0.0	1,902
Minus 1.6 mgd	-0.4	-0.6	-0.8	-1.7	-0.2	1.6	1.8	1.5	1.9	0.1	-0.5	-1.6	Sum Less 1 RO = 1.1 Positive -->
<b>MPWSP Desalinated Plant Operations</b>													
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
Total Desalinated Supplies	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>													
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Carmel River	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
Total Extraction	0.0	0.0	0.0	0.6	4.4	7.3	7.8	7.4	7.4	3.3	1.0	0.0	3,675
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.													

	31	28	31	30	31	30	31	31	30	31	30	31	
Demand Scenario 1: Annual demand =2013 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario c: 1600 afy from ASR; 94 afy from Sand City desalination plant	<b>Table X-7: Scenario 1c</b>												
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>
Average Demand	8.5	8.9	9.7	11.2	12.8	13.0	13.4	13.4	12.7	11.3	10.1	9.2	12,534
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
<b>Total System Production Demand</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>11.9</b>	<b>15.1</b>	<b>15.5</b>	<b>15.8</b>	<b>15.8</b>	<b>15.1</b>	<b>13.0</b>	<b>10.8</b>	<b>9.7</b>	<b>14,154</b>
<b>System Supplies</b>													
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771
Sand City Desalinated Supply to Distribution System	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	94
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
<b>Total Supplies to Distribution System</b>	<b>9.5</b>	<b>9.8</b>	<b>10.3</b>	<b>11.0</b>	<b>14.5</b>	<b>16.6</b>	<b>17.2</b>	<b>16.9</b>	<b>16.6</b>	<b>13.2</b>	<b>11.3</b>	<b>9.1</b>	<b>14,568</b>
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.0</b>	<b>10.2</b>	<b>10.9</b>	<b>11.8</b>	<b>16.8</b>	<b>19.0</b>	<b>19.6</b>	<b>19.3</b>	<b>19.0</b>	<b>14.9</b>	<b>11.9</b>	<b>9.6</b>	<b>16,188</b>
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.0</b>	<b>0.8</b>	<b>0.6</b>	<b>-0.1</b>	<b>1.6</b>	<b>3.6</b>	<b>3.8</b>	<b>3.5</b>	<b>3.9</b>	<b>1.9</b>	<b>1.2</b>	<b>-0.1</b>	<b>2,033</b>
<b>Minus 1.6 mgd</b>	<b>-0.6</b>	<b>-0.8</b>	<b>-1.0</b>	<b>-1.7</b>	<b>0.0</b>	<b>2.0</b>	<b>2.2</b>	<b>1.9</b>	<b>2.3</b>	<b>0.3</b>	<b>-0.4</b>	<b>-1.7</b>	<b>Sum Less 1 RO = Positive 2.5 --&gt;</b>
<b>MPWSP Desalinated Plant Operations</b>													
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>													
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Carmel River	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>4.7</b>	<b>7.8</b>	<b>8.3</b>	<b>7.9</b>	<b>7.9</b>	<b>3.5</b>	<b>1.2</b>	<b>0.0</b>	<b>3,943</b>
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.													

Demand Scenario 1: Annual demand =2013 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario d: 1600 afy from ASR; 230 afy from Sand City desalination plant	Table X-8: Scenario 1d												Total (afy) <sup>a</sup>
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
Average Demand	8.5	8.9	9.7	11.2	12.8	13.0	13.4	13.4	12.7	11.3	10.1	9.2	12,534
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
<b>Total System Production Demand</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>11.9</b>	<b>15.1</b>	<b>15.5</b>	<b>15.8</b>	<b>15.8</b>	<b>15.1</b>	<b>13.0</b>	<b>10.8</b>	<b>9.7</b>	<b>14,154</b>
<b>System Supplies</b>													
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771
Sand City Desalinated Supply to Distribution System	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	230
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
<b>Total Supplies to Distribution System</b>	<b>9.7</b>	<b>9.9</b>	<b>10.5</b>	<b>11.2</b>	<b>14.6</b>	<b>16.7</b>	<b>17.3</b>	<b>17.0</b>	<b>16.7</b>	<b>13.3</b>	<b>11.4</b>	<b>9.2</b>	<b>14,704</b>
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.1</b>	<b>10.4</b>	<b>11.0</b>	<b>11.9</b>	<b>16.9</b>	<b>19.1</b>	<b>19.7</b>	<b>19.4</b>	<b>19.1</b>	<b>15.0</b>	<b>12.1</b>	<b>9.7</b>	<b>16,324</b>
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.2</b>	<b>1.0</b>	<b>0.8</b>	<b>0.0</b>	<b>1.7</b>	<b>3.7</b>	<b>3.9</b>	<b>3.6</b>	<b>4.0</b>	<b>2.0</b>	<b>1.3</b>	<b>0.0</b>	<b>2,170</b>
<b>Minus 1.6 mgd</b>	<b>-0.4</b>	<b>-0.6</b>	<b>-0.8</b>	<b>-1.6</b>	<b>0.1</b>	<b>2.1</b>	<b>2.3</b>	<b>2.0</b>	<b>2.4</b>	<b>0.4</b>	<b>-0.3</b>	<b>-1.6</b>	<b>Sum Less 1 RO = 5.6 Positive --&gt;</b>
<b>MPWSP Desalinated Plant Operations</b>													
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>													
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Carmel River	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>4.7</b>	<b>7.8</b>	<b>8.3</b>	<b>7.9</b>	<b>7.9</b>	<b>3.5</b>	<b>1.2</b>	<b>0.0</b>	<b>3,943</b>
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.													

	31	28	31	30	31	30	31	31	30	31	30	31		
Demand Scenario 1: Annual demand =2013 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario e: 0 afy from ASR; 94 afy from Sand City desalination plant	<b>Table X-9: Scenario 1e</b>													
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total (afy) <sup>a</sup>	
Average Demand	8.5	8.9	9.7	11.2	12.8	13.0	13.4	13.4	12.7	11.3	10.1	9.2	12,534	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
Total System Production Demand	9.0	9.4	10.3	11.9	15.1	15.5	15.8	15.8	15.1	13.0	10.8	9.7	14,154	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	94	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Total Supplies to Distribution System	9.5	9.8	10.3	10.3	12.5	13.8	14.2	13.9	13.8	11.6	10.1	9.1	12,968	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.0</b>	<b>10.2</b>	<b>10.9</b>	<b>11.0</b>	<b>14.8</b>	<b>16.3</b>	<b>16.6</b>	<b>16.3</b>	<b>16.3</b>	<b>13.2</b>	<b>10.7</b>	<b>9.6</b>	<b>14,588</b>	
Difference -Total Supply minus Total Production Demand	1.0	0.8	0.6	-0.9	-0.3	0.8	0.8	0.5	1.1	0.2	0.0	-0.1	433	
Minus 1.6 mgd	-0.6	-0.8	-1.0	-2.5	-1.9	-0.8	-0.8	-1.1	-0.5	-1.4	-1.6	-1.7	Sum Less 1 RO = -14.5 Negative -->	
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
Total Desalinated Supplies	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
Total Extraction	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	<b>2,343</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														

	31	28	31	30	31	30	31	31	30	31	30	31		
Table X-10: Scenario 1f														
Demand Scenario 1: Annual demand =2013 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario f: 0 afy from ASR; 230 afy from Sand City desalination plant	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total (afy) <sup>a</sup>	
Average Demand	8.5	8.9	9.7	11.2	12.8	13.0	13.4	13.4	12.7	11.3	10.1	9.2	12,534	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total System Production Demand</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>11.9</b>	<b>15.1</b>	<b>15.5</b>	<b>15.8</b>	<b>15.8</b>	<b>15.1</b>	<b>13.0</b>	<b>10.8</b>	<b>9.7</b>	<b>14,154</b>	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	230	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
<b>Total Supplies to Distribution System</b>	<b>9.7</b>	<b>9.9</b>	<b>10.5</b>	<b>10.5</b>	<b>12.6</b>	<b>13.9</b>	<b>14.3</b>	<b>14.0</b>	<b>13.9</b>	<b>11.7</b>	<b>10.2</b>	<b>9.2</b>	<b>13,104</b>	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.1</b>	<b>10.4</b>	<b>11.0</b>	<b>11.2</b>	<b>14.9</b>	<b>16.4</b>	<b>16.7</b>	<b>16.4</b>	<b>16.4</b>	<b>13.3</b>	<b>10.8</b>	<b>9.7</b>	<b>14,724</b>	
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.2</b>	<b>1.0</b>	<b>0.8</b>	<b>-0.7</b>	<b>-0.2</b>	<b>0.9</b>	<b>0.9</b>	<b>0.6</b>	<b>1.2</b>	<b>0.3</b>	<b>0.1</b>	<b>0.0</b>	<b>570</b>	
<b>Minus 1.6 mgd</b>	<b>-0.4</b>	<b>-0.6</b>	<b>-0.8</b>	<b>-2.3</b>	<b>-1.8</b>	<b>-0.7</b>	<b>-0.7</b>	<b>-1.0</b>	<b>-0.4</b>	<b>-1.3</b>	<b>-1.5</b>	<b>-1.6</b>	<b>Sum Less 1 RO = -13.1 Negative --&gt;</b>	
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.8</b>	<b>5.0</b>	<b>5.3</b>	<b>4.9</b>	<b>5.1</b>	<b>1.9</b>	<b>0.0</b>	<b>0.0</b>	<b>2,343</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														

	31	28	31	30	31	30	31	31	30	31	30	31		
Demand Scenario 2: Annual demand =2015 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario a: 1300 afy from ASR; 94 afy from Sand City desalination plant	<b>Table X-11: Scenario 2a</b>													
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>	
Average Demand	8.4	8.5	8.8	9.6	10.0	10.8	11.4	11.6	11.2	9.6	7.7	7.2	10,724	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total System Production Demand</b>	<b>8.8</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>12.3</b>	<b>13.3</b>	<b>13.8</b>	<b>14.0</b>	<b>13.7</b>	<b>11.3</b>	<b>8.4</b>	<b>7.7</b>	<b>12,344</b>	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	94	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
<b>Total Supplies to Distribution System</b>	<b>9.5</b>	<b>9.8</b>	<b>10.3</b>	<b>10.9</b>	<b>14.1</b>	<b>16.1</b>	<b>16.7</b>	<b>16.4</b>	<b>16.1</b>	<b>13.0</b>	<b>11.1</b>	<b>9.1</b>	<b>14,300</b>	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.0</b>	<b>10.2</b>	<b>10.9</b>	<b>11.6</b>	<b>16.4</b>	<b>18.6</b>	<b>19.1</b>	<b>18.8</b>	<b>18.6</b>	<b>14.6</b>	<b>11.7</b>	<b>9.6</b>	<b>15,920</b>	
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.2</b>	<b>1.3</b>	<b>1.5</b>	<b>1.3</b>	<b>4.1</b>	<b>5.3</b>	<b>5.3</b>	<b>4.8</b>	<b>4.9</b>	<b>3.3</b>	<b>3.4</b>	<b>1.9</b>	<b>3,576</b>	
Minus 1.6 mgd	-0.4	-0.3	-0.1	-0.3	2.5	3.7	3.7	3.2	3.3	1.7	1.8	0.3	Sum Less 1 RO = Positive 19.0 -->	
Minus 3.2 mgd	-2.0	-1.9	-1.7	-1.9	0.9	2.1	2.1	1.6	1.7	0.1	0.2	-1.3	Sum Less 2 RO = -0 -->	-0.2
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>4.4</b>	<b>7.3</b>	<b>7.8</b>	<b>7.4</b>	<b>7.4</b>	<b>3.3</b>	<b>1.0</b>	<b>0.0</b>	<b>3,675</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														

	31	28	31	30	31	30	31	31	30	31	30	31		
Table X-12: Scenario 2b														
Demand Scenario 2: Annual demand =2015 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario b: 1300 afy from ASR; 230 afy from Sand City desalination plant														
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total (afy) <sup>a</sup>	
Average Demand	8.4	8.5	8.8	9.6	10.0	10.8	11.4	11.6	11.2	9.6	7.7	7.2	10,724	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total System Production Demand</b>	<b>8.8</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>12.3</b>	<b>13.3</b>	<b>13.8</b>	<b>14.0</b>	<b>13.7</b>	<b>11.3</b>	<b>8.4</b>	<b>7.7</b>	<b>12,344</b>	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	230	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
<b>Total Supplies to Distribution System</b>	<b>9.7</b>	<b>9.9</b>	<b>10.5</b>	<b>11.1</b>	<b>14.2</b>	<b>16.2</b>	<b>16.8</b>	<b>16.5</b>	<b>16.2</b>	<b>13.1</b>	<b>11.2</b>	<b>9.2</b>	<b>14,436</b>	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.1</b>	<b>10.4</b>	<b>11.0</b>	<b>11.8</b>	<b>16.5</b>	<b>18.7</b>	<b>19.2</b>	<b>18.9</b>	<b>18.7</b>	<b>14.7</b>	<b>11.8</b>	<b>9.7</b>	<b>16,056</b>	
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.3</b>	<b>1.4</b>	<b>1.6</b>	<b>1.5</b>	<b>4.2</b>	<b>5.4</b>	<b>5.4</b>	<b>4.9</b>	<b>5.0</b>	<b>3.4</b>	<b>3.5</b>	<b>2.0</b>	<b>3,712</b>	
Minus 1.6 mgd	-0.3	-0.2	0.0	-0.1	2.6	3.8	3.8	3.3	3.4	1.8	1.9	0.4	Sum Less 1 RO = 20.5 Positive -->	
Minus 3.2 mgd	-1.9	-1.8	-1.6	-1.7	1.0	2.2	2.2	1.7	1.8	0.2	0.3	-1.2	Sum Less 2 ROs = 1.3 Positive -->	
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.6	1.6	2.3	2.5	2.5	2.3	1.4	1.0	0.0	1,332	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>4.4</b>	<b>7.3</b>	<b>7.8</b>	<b>7.4</b>	<b>7.4</b>	<b>3.3</b>	<b>1.0</b>	<b>0.0</b>	<b>3,675</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														



	31	28	31	30	31	30	31	31	30	31	30	31		
Demand Scenario 2: Annual demand =2015 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario c: 1600 afy from ASR; 94 afy from Sand City desalination plant	<b>Table X-13: Scenario 2c</b>													
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>	
Average Demand	8.4	8.5	8.8	9.6	10.0	10.8	11.4	11.6	11.2	9.6	7.7	7.2	10,724	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total System Production Demand</b>	<b>8.8</b>	<b>9.0</b>	<b>9.4</b>	<b>10.3</b>	<b>12.3</b>	<b>13.3</b>	<b>13.8</b>	<b>14.0</b>	<b>13.7</b>	<b>11.3</b>	<b>8.4</b>	<b>7.7</b>	<b>12,344</b>	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	94	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
<b>Total Supplies to Distribution System</b>	<b>9.5</b>	<b>9.8</b>	<b>10.3</b>	<b>11.0</b>	<b>14.5</b>	<b>16.6</b>	<b>17.2</b>	<b>16.9</b>	<b>16.6</b>	<b>13.2</b>	<b>11.3</b>	<b>9.1</b>	<b>14,568</b>	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.0</b>	<b>10.2</b>	<b>10.9</b>	<b>11.8</b>	<b>16.8</b>	<b>19.0</b>	<b>19.6</b>	<b>19.3</b>	<b>19.0</b>	<b>14.9</b>	<b>11.9</b>	<b>9.6</b>	<b>16,188</b>	
<b>Difference -Total Supply minus Total Production Demand</b>	<b>1.2</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>4.4</b>	<b>5.8</b>	<b>5.8</b>	<b>5.3</b>	<b>5.3</b>	<b>3.6</b>	<b>3.6</b>	<b>1.9</b>	<b>3,844</b>	
<b>Minus 1.6 mgd</b>	<b>-0.4</b>	<b>-0.3</b>	<b>-0.1</b>	<b>-0.2</b>	<b>2.8</b>	<b>4.2</b>	<b>4.2</b>	<b>3.7</b>	<b>3.7</b>	<b>2.0</b>	<b>2.0</b>	<b>0.3</b>	<b>Sum Less 1 RO = 21.8 Positive -&gt;</b>	
<b>Minus 3.2 mgd</b>	<b>-2.0</b>	<b>-1.9</b>	<b>-1.7</b>	<b>-1.8</b>	<b>1.2</b>	<b>2.6</b>	<b>2.6</b>	<b>2.1</b>	<b>2.1</b>	<b>0.4</b>	<b>0.4</b>	<b>-1.3</b>	<b>Sum Less 2 ROs = 2.6 Positive -&gt;</b>	
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
<b>Total Desalinated Supplies</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
<b>Total Extraction</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.7</b>	<b>4.7</b>	<b>7.8</b>	<b>8.3</b>	<b>7.9</b>	<b>7.9</b>	<b>3.5</b>	<b>1.2</b>	<b>0.0</b>	<b>3,943</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														

	31	28	31	30	31	30	31	31	30	31	30	31			
Demand Scenario 2: Annual demand =2015 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario d: 1600 afy from ASR; 230 afy from Sand City desalination plant	<b>Table X-14: Scenario 2d</b>														
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>		
Average Demand	8.4	8.5	8.8	9.6	10.0	10.8	11.4	11.6	11.2	9.6	7.7	7.2	10,724		
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800		
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820		
Total System Production Demand	8.8	9.0	9.4	10.3	12.3	13.3	13.8	14.0	13.7	11.3	8.4	7.7	12,344		
<b>System Supplies</b>															
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366		
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771		
Sand City Desalinated Supply to Distribution System	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	230		
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600		
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343		
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394		
Total Supplies to Distribution System	9.7	9.9	10.5	11.2	14.6	16.7	17.3	17.0	16.7	13.3	11.4	9.2	14,704		
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.1</b>	<b>10.4</b>	<b>11.0</b>	<b>11.9</b>	<b>16.9</b>	<b>19.1</b>	<b>19.7</b>	<b>19.4</b>	<b>19.1</b>	<b>15.0</b>	<b>12.1</b>	<b>9.7</b>	<b>16,324</b>		
Difference -Total Supply minus Total Production Demand	1.3	1.4	1.6	1.6	4.5	5.9	5.9	5.4	5.4	3.7	3.7	2.0	3,981		
Minus 1.6 mgd	-0.3	-0.2	0.0	0.0	2.9	4.3	4.3	3.8	3.8	2.1	2.1	0.4	Sum Less 1 RO = 23.3 Positive -->		
Minus 3.2 mgd	-1.9	-1.8	-1.6	-1.6	1.3	2.7	2.7	2.2	2.2	0.5	0.5	-1.2	Sum Less 2 ROs = 4.1 Positive -->		
<b>MPWSP Desalinated Plant Operations</b>															
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394		
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347		
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800		
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820		
Total Desalinated Supplies	9.6	9.5	9.6	9.3	8.6	9.0	8.9	9.0	9.0	9.2	9.6	9.6	10,361		
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>															
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		
Carmel River	0.0	0.0	0.0	0.7	1.9	2.8	3.0	3.0	2.8	1.7	1.2	0.0	1,600		
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343		
Total Extraction	0.0	0.0	0.0	0.7	4.7	7.8	8.3	7.9	7.9	3.5	1.2	0.0	3,943		
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.															

	31	28	31	30	31	30	31	31	30	31	30	31	
Demand Scenario 2: Annual demand =2015 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario e: 0 afy from ASR; 94 afy from Sand City desalination plant	<b>Table X-15: Scenario 2e</b>												
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>
Average Demand	8.4	8.5	8.8	9.6	10.0	10.8	11.4	11.6	11.2	9.6	7.7	7.2	10,724
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
Total System Production Demand	8.8	9.0	9.4	10.3	12.3	13.3	13.8	14.0	13.7	11.3	8.4	7.7	12,344
<b>System Supplies</b>													
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771
Sand City Desalinated Supply to Distribution System	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	94
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
Total Supplies to Distribution System	9.5	9.8	10.3	10.3	12.5	13.8	14.2	13.9	13.8	11.6	10.1	9.1	12,968
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.0</b>	<b>10.2</b>	<b>10.9</b>	<b>11.0</b>	<b>14.8</b>	<b>16.3</b>	<b>16.6</b>	<b>16.3</b>	<b>16.3</b>	<b>13.2</b>	<b>10.7</b>	<b>9.6</b>	<b>14,588</b>
Difference -Total Supply minus Total Production Demand	1.2	1.3	1.5	0.7	2.5	3.0	2.8	2.3	2.6	1.9	2.4	1.9	2,244
Minus 1.6 mgd	-0.4	-0.3	-0.1	-0.9	0.9	1.4	1.2	0.7	1.0	0.3	0.8	0.3	Sum Less 1 RO = 4.8 Positive -->
<b>MPWSP Desalinated Plant Operations</b>													
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820
Total Desalinated Supplies	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>													
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Carmel River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
Total Extraction	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.													

	31	28	31	30	31	30	31	31	30	31	30	31		
Demand Scenario 2: Annual demand =2015 demand, Pebble Beach=325, Lots of Record =590, Economic Recovery=250. Supply Scenario f: 0 afy from ASR; 230 afy from Sand City desalination plant	<b>Table X-16: Scenario 2f</b>													
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Total (afy)<sup>a</sup></b>	
Average Demand	8.4	8.5	8.8	9.6	10.0	10.8	11.4	11.6	11.2	9.6	7.7	7.2	10,724	
Water Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Water Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
Total System Production Demand	8.8	9.0	9.4	10.3	12.3	13.3	13.8	14.0	13.7	11.3	8.4	7.7	12,344	
<b>System Supplies</b>														
Carmel River to Distribution System	5.7	5.7	5.7	5.2	2.2	1.0	1.0	1.0	1.0	1.0	1.0	5.7	3,366	
Seaside Supply to Distribution System	0.0	0.0	0.0	0.0	1.1	1.2	1.3	1.3	1.1	1.1	1.1	0.0	771	
Sand City Desalinated Supply to Distribution System	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	230	
ASR - GWR Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Carmel River Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
ASR - Desalination Supplies Extracted from SGWB	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
MPWSP Desalinated Supplies to Conveyance System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Total Supplies to Distribution System	9.7	9.9	10.5	10.5	12.6	13.9	14.3	14.0	13.9	11.7	10.2	9.2	13,104	
<b>Supplies to Distribution System + Salinas Valley Return [from below]</b>	<b>10.1</b>	<b>10.4</b>	<b>11.0</b>	<b>11.2</b>	<b>14.9</b>	<b>16.4</b>	<b>16.7</b>	<b>16.4</b>	<b>16.4</b>	<b>13.3</b>	<b>10.8</b>	<b>9.7</b>	<b>14,724</b>	
Difference -Total Supply minus Total Production Demand	1.3	1.4	1.6	0.9	2.6	3.1	2.9	2.4	2.7	2.0	2.5	2.0	2,380	
Minus 1.6 mgd	-0.3	-0.2	0.0	-0.7	1.0	1.5	1.3	0.8	1.1	0.4	0.9	0.4	Sum Less 1 RO = 6.3 Positive -->	
<b>MPWSP Desalinated Plant Operations</b>														
Desalinated Supplies for Distribution System	3.8	4.0	4.6	5.1	6.3	6.5	6.5	6.6	6.5	7.5	7.9	3.3	6,394	
Desalinated Supplies for ASR Injection	5.4	5.0	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.8	2,347	
Desalinated Supplies for Salinas Valley Return - Castroville	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.5	800	
Desalinated Supplies for Salinas Valley Return - CSIP	0.0	0.0	0.0	0.0	1.5	1.6	1.6	1.6	1.6	0.9	0.0	0.0	820	
Total Desalinated Supplies	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.3</b>	<b>8.6</b>	<b>9.0</b>	<b>8.9</b>	<b>9.0</b>	<b>9.0</b>	<b>9.2</b>	<b>9.6</b>	<b>9.6</b>	<b>10,361</b>	
<b>Supplies Extracted from Seaside Groundwater Basin (via ASR)</b>														
GWR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Carmel River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Desalinated Supplies	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	2,343	
Total Extraction	0.0	0.0	0.0	0.0	2.8	5.0	5.3	4.9	5.1	1.9	0.0	0.0	<b>2,343</b>	
a Annual totals were calculated from the estimated monthly operations shown here and may differ from annual information presented in text due to rounding.														