PALMDALE WATER DISTRICT

2029 East Avenue Q • Palmdale, California 93550 • **Telephone (661) 947-4111**
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Division 3

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VINCENT DINO
Division 5

March 27, 2014

Agenda for a Meeting
of the Water Supply & Reliability Committee of the Palmdale Water District
Committee Members: Gloria Dizmang-Chair, Vincent Dino
to be held at the District's office at 2029 East Avenue Q, Palmdale

Monday, March 31, 2014

2:00 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale. Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Roll call.

2) Adoption of agenda.

3) Public comments.

4) Action Items: (The public shall have an opportunity to comment on any action item as each item is considered by the Committee prior to action being taken.)

4.1) Consideration and possible action on approval of minutes of meeting held February 24, 2014.

4.2) Presentation of monthly water demand and supply status. (Water & Energy Resources Manager Pernula)

4.3) Status on the operations of the State Water Project. (Water & Energy Resources Manager Pernula)

5) Project updates.

5.1) Palmdale Recycled Water Authority. (General Manager LaMoreaux)

5.2) Littlerock Dam Sediment Removal Project. (Assistant General Manager Knudson)

5.3) Littlerock Creek Recharge and Recovery Project. (Assistant General Manager Knudson)

5.4) City of Palmdale's Upper Amargosa Recharge Project. (Assistant General Manager Knudson)

6) Information items.

6.1) Drought Management Task Force. (Water & Energy Resources Manager Pernula)

6.2) Other.

7) Board members' requests for future agenda items.

8) Adjournment.

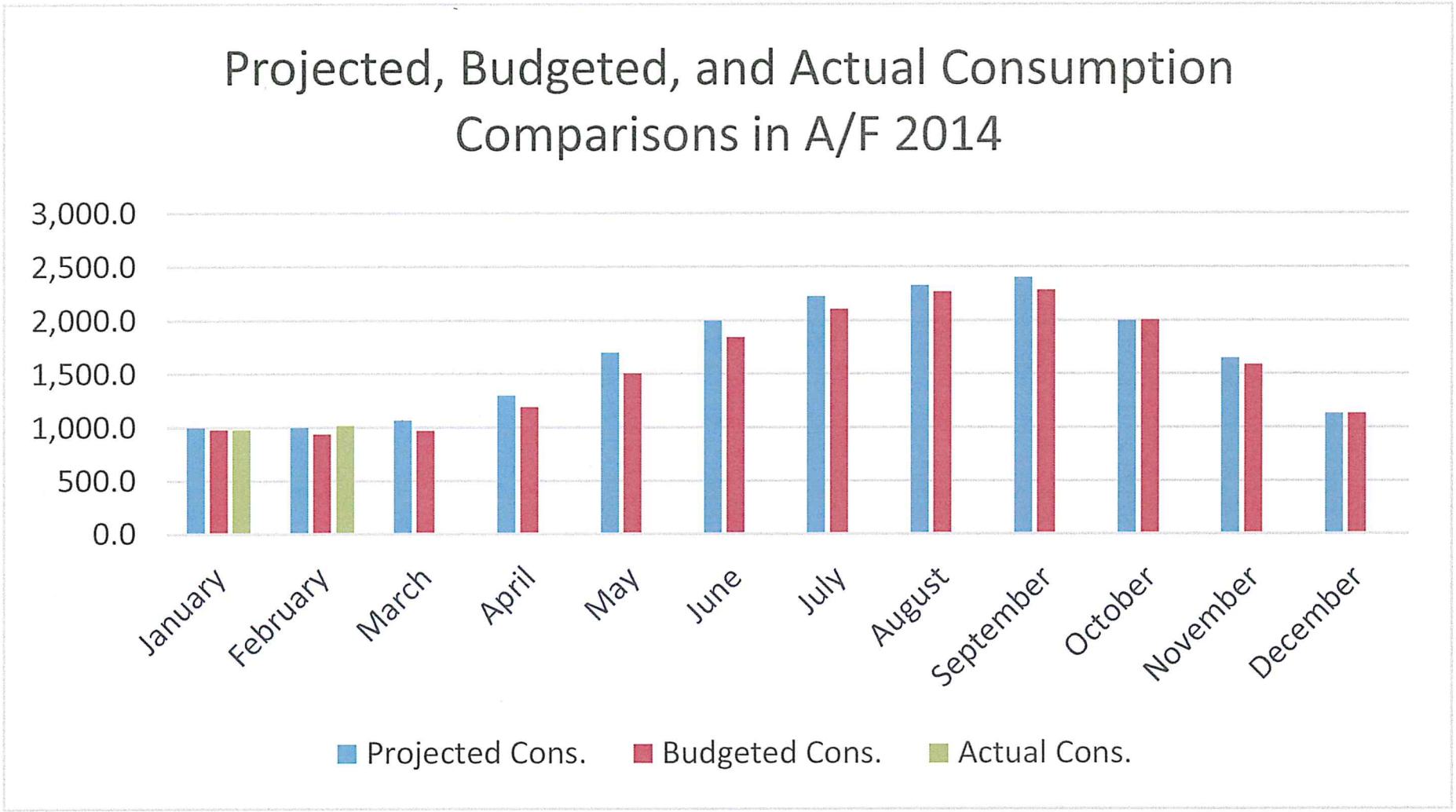
DENNIS D. LaMOREAUX,
General Manager

DDL/dd

AGENDA ITEM NO. 4.2

2014 Water Production Plan @ 0% Allocation

Month	Raw Surface Water Sources							Water Production						Metered Water	
	Surface Water					Evaporation	Total	WTP		Groundwater		Total			
	Carry Over (ac-ft) * dry yr	Banking & Exchange (ac-ft) from CO *	Butte (ac-ft)	PWD/SWP (ac-ft)	LrD (ac-ft)	Plan (ac-ft)	Plan (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)
January	**1326.0**	0.0	0.0	0.0	0.0	**-67.20**	**1258.80**	550.0	**408.3**	513.1	**791.5**	1,063.1	**1,199.8**	803.3	**977.3**
February	**153.5**	0.0	0.0	0.0	0.0	**0.00**	**153.50**	120.0	**108.7**	900.0	**998.1**	1,020.0	**1,106.8**	843.4	**1,017.5**
March	645	0.0	0.0	0.0	0.0	-22.10	**622.90**	**662.1**	0.0	**300.0**	0.0	**962.1**	0.0	883.6	0.0
April	**300.0**	0.0	0.0	0.0	0.0	-170.00	**130.00**	**0.0**	0.0	**1,000.0**	0.0	**1,000.0**	0.0	963.9	0.0
May	300.0	0.0	0.0	0.0	0.0	-146.00	**154.00**	**400.0**	0.0	**813.2**	0.0	**1,213.2**	0.0	1,164.7	0.0
June	0.0	450.0	0.0	0.0	0.0	-445.00	**5.00**	**0.0**	0.0	**1,675.0**	0.0	**1,675.0**	0.0	1,686.8	0.0
July	0.0	120.0	0	0.0	0.0	-126.30	**-6.30**	**200.0**	0.0	**1,624.0**	0.0	**1,824.0**	0.0	1,807.3	0.0
August	0.0	500.0	0.0	0.0	0.0	-125.00	**375.00**	**275.0**	0.0	**1,725.0**	0.0	**2,000.0**	0.0	1,927.8	0.0
September	0.0	500.0	0.0	0.0	0.0	-69.00	**431.00**	**400.0**	0.0	**1,560.0**	0.0	**1,960.0**	0.0	1,887.6	0.0
October	150.0	500.0	0.0	0.0	0.0	-50.00	**600.00**	**595.9**	0.0	**1,130.0**	0.0	**1,725.9**	0.0	1,606.5	0.0
November	175.0	400.0	0.0	0.0	0.0	0.00	**575.00**	**550.0**	0.0	**900.0**	0.0	**1,450.0**	0.0	1,325.4	0.0
December	100.0	0.0	0.0	0.0	0.0	0.00	**100.00**	**100.0**	0.0	**1,400.0**	0.0	**1,500.0**	0.0	1,164.7	0.0
	3,149.50	**2,470.0**	**0.0**	**-**	**-**	**(1,220.60)**	**4,398.90**	**3,853.0**	**517.1**	**13,540.3**	**1,789.60**	**17,393.3**	**2,306.7**	**16,065.0**	**1,995**
Allocated Total Use:	3,670.0	2,471.0	**500.0**	**1,062.0**	**2,000.0**	1,250.0	8,500.0	8,500.0	8,500.0	12,500.0	9,000.00	17,680.0	21,500.00	18,900.0	18,900.0
Actual Planned Use			0.0	1,100.0			4,398.9								
Remaining Allotment:	**520.5**	1.0	500.0	1,062.0	**2,000.0**	**29.4**	**4,101.1**	4,647.01	7,982.9	-1,040.3	-7,210.40	4.0	19,193.33	2,835.0	16,905.2
recoverable AVWB		2,471.5		0.0		0.0		12,300.0		9,500.0		21,780.0	-	18,000.0	19,258
Total:	3,100.0	0.0	3,500.0	0.0	0.0	-1,250.0									
UNUSED TO DATE	**520.5**	0.0	**500.0**	**1,062.0**	**0.0**		2,082.5					3,045.2			
Planned Available for Carryover							2,083								


Projected, Budgeted, and Actual Consumption Comparisons in A/F 2014
3,000.0
2,500.0
2,000.0
1,500.0
1,000.0
500.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December
Projected Cons.
Budgeted Cons.
Actual Cons.

2014 BILLED CONSUMPTION

MONTH	PROJECTED	BUDGETED	ACTUAL
January	**1,000.0**	**979**	**977**
February	**1,000.0**	**941**	**1,018**
March	1,070.0	970	**0**
April	1,300.0	1,191.5	**0**
May	1,700.0	1,505.0	**0**
June	2,000.0	1,841.0	**0**
July	2,225.0	2,104.6	**0**
August	2,325.0	2,265.0	**0**
Septembe	2,400.0	2,282.2	**0**
October	2,000.0	2,002.0	**0**
November	1,650.0	1,588.3	**0**
December	1,130.0	1,130.0	**0**
Totals	2,000.0 20,000.0	1,919.9 18,800	1,995
Running total	**19,800.0**	**18,800.0**	**1,995**

2014

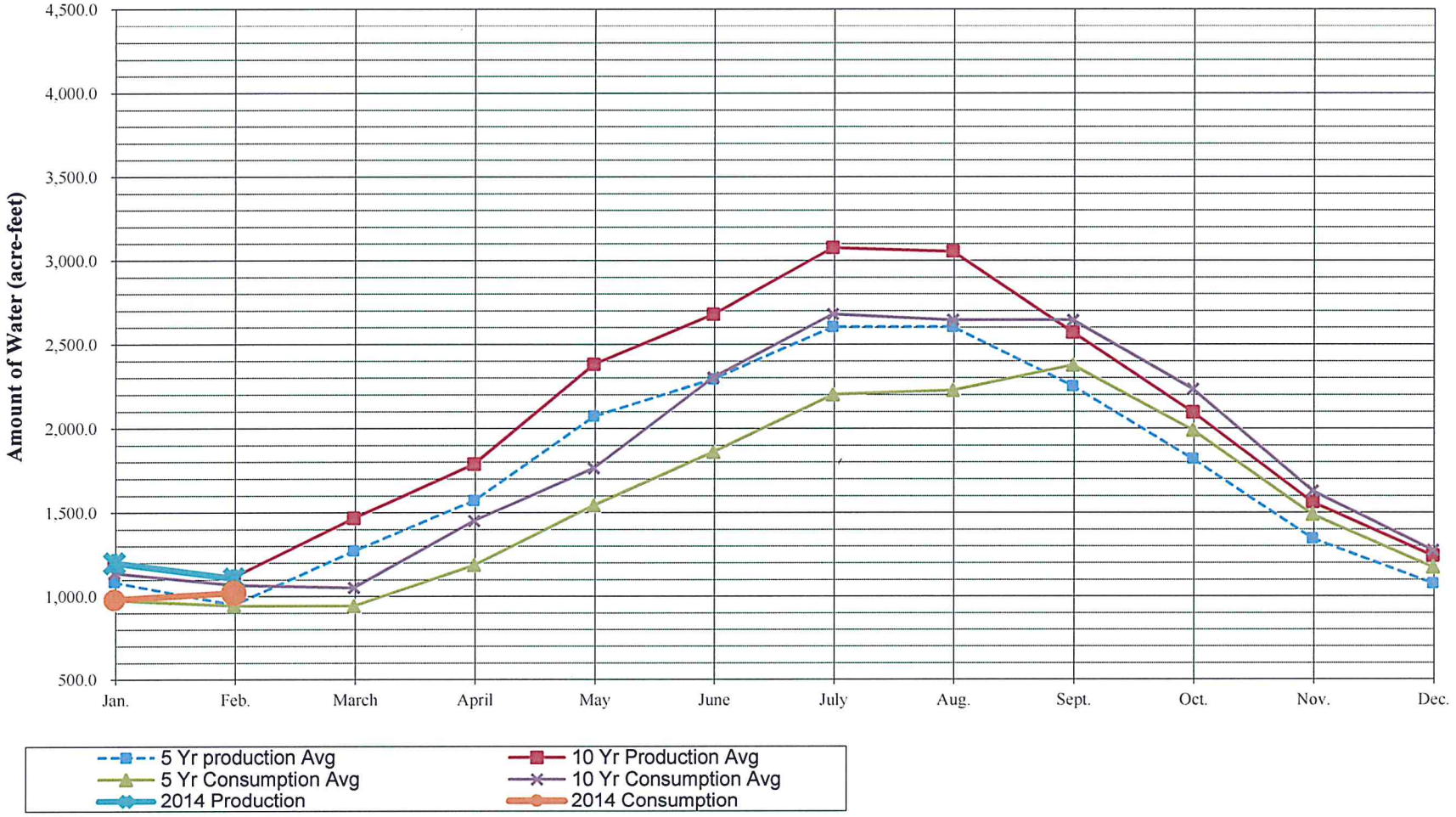
MONTHLY TOTALS					
MONTH	TOTAL af	SW af	GW af	SW %	GW%
January	**1,199.8**	**408.3**	**791.5**	**34.03%**	**65.97%**
February	**1,106.8**	**108.7**	**998.1**	**9.82%**	**90.18%**
March	**0.0**	0.0	0.0		
April	**0.0**	0.0	0.0		
May	**0.0**	0.0	0.0		
June	**0.0**	0.0	0.0		
July	**0.0**	0.0	0.0		
August	**0.0**	0.0	0.0		
September	**0.0**	0.0	0.0		
October	**0.0**	0.0	0.0		
November	**0.0**	0.0	0.0		
December	**0.0**	0.0	0.0		

Running Averages		SW	GW
	January	**34.03%**	**65.97%**
Jan. thru	**February**	**21.93%**	**78.07%**
Jan. thru	March		
Jan. thru	April		
Jan. thru	May		
Jan. thru	June		
Jan. thru	July		
Jan. thru	August		
Jan. thru	September		
Jan. thru	October		
Jan. thru	November		
Jan. thru	December		

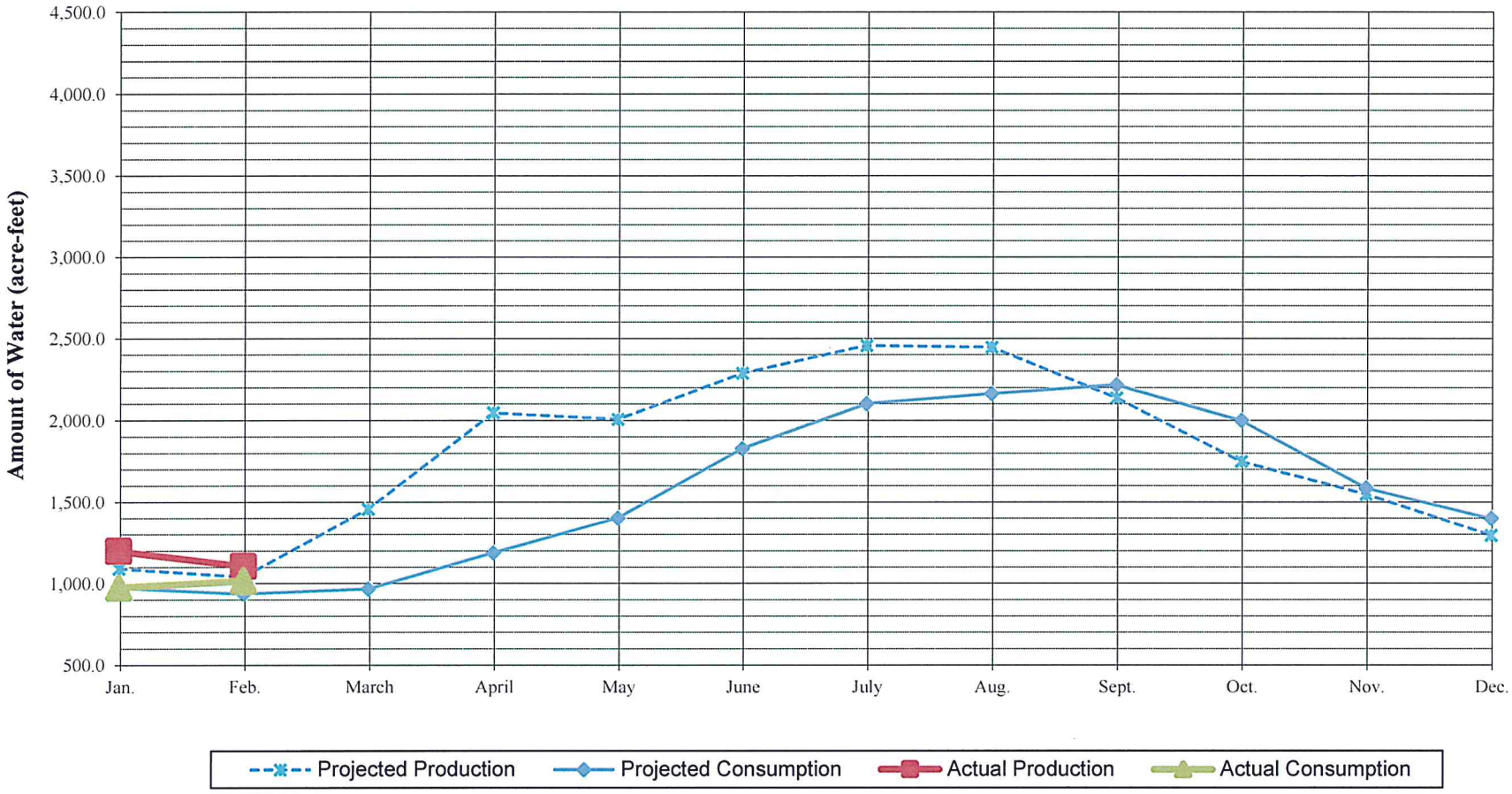
Month	Five-Year Aver. Consumption (ac.-ft.)	Budgeted 2014 Consumption (ac.-ft.)	Actual 2014 Consumption (ac.-ft.)	Difference (Act. - Pred.) (ac.-ft.)	
Jan.	975.0	979	**977.3**	**-1.8**	
Feb.	943.3	941	**1,017.5**	**76.8**	
March	941.0	970	**0.0**	0.0	
April	1,185.2	1,191.5	**0.0**	0.0	
May	1,541.8	1,405.0	**0.0**	0.0	
June	1,860.9	1,830.7	**0.0**	0.0	
July	2,201.1	2,104.6	**0.0**	0.0	
Aug.	2,226.6	2,165.7	**0.0**	0.0	
Sept.	2,376.2	2,219.2	**0.0**	0.0	
Oct.	1,990.7	2,002.1	**0.0**	0.0	
Nov.	1,487.1	1,588.3	**0.0**	0.0	
Dec.	1,172.4	1,402.5	**0.0**	0.0	
	18,901.2	1,919.9	**1,994.8**	**74.9**	**3.8%**
	2009 thru 2013	20,000.0			

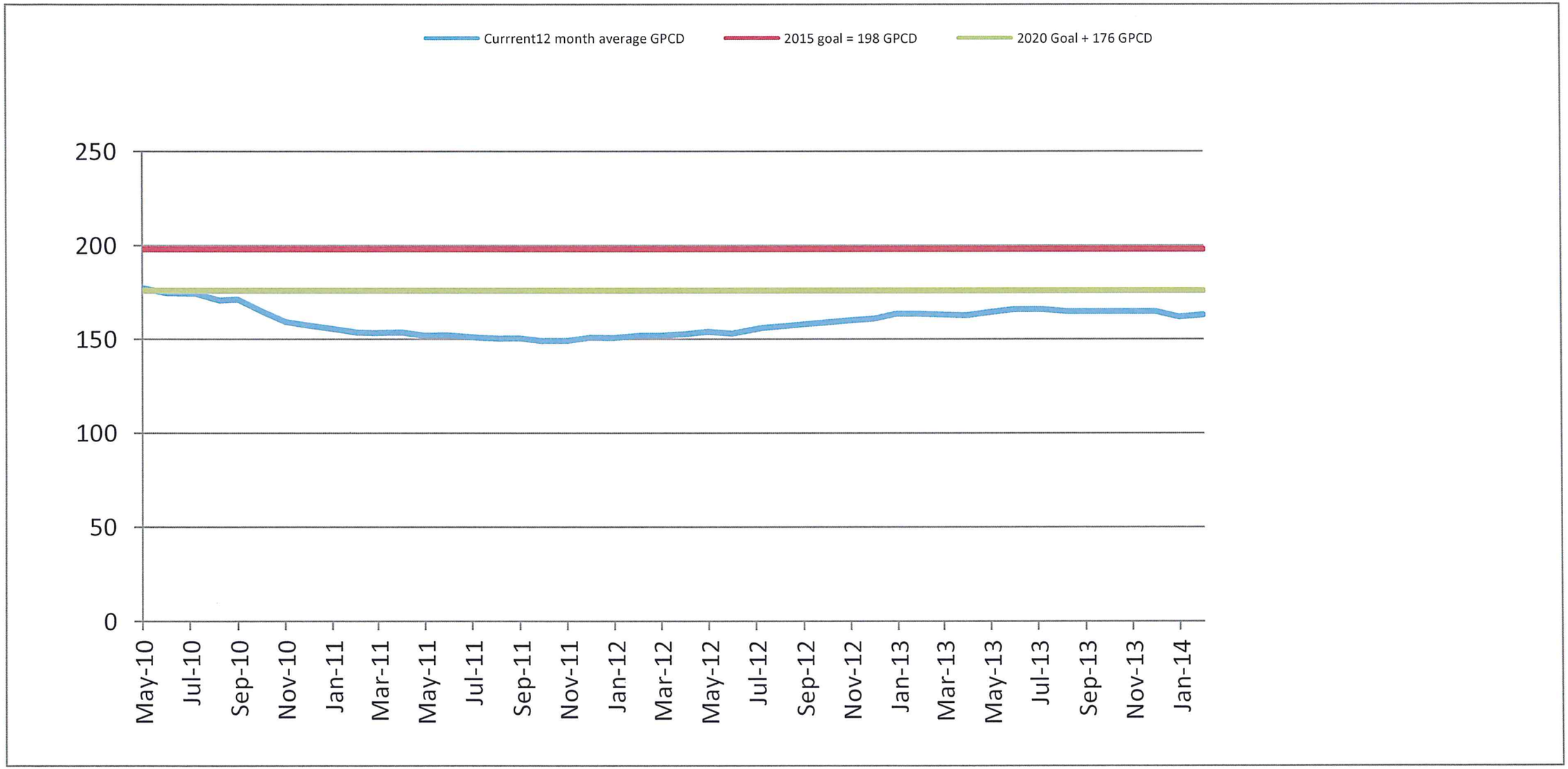
Month	Five-Year Aver. Production (ac.-ft.)	Projected 2014 Production (ac.-ft.)	Actual 2014 Production (ac.-ft.)	Difference (Act. - Pred.) (ac.-ft.)	
Jan.	1,084.2	1,095.0	**1,199.8**	**104.8**	
Feb.	947.7	1,045.0	**1,106.8**	**61.8**	
March	1,270.4	1,460.0	**0.0**	0.0	
April	1,570.1	2,050.0	**0.0**	0.0	
May	2,073.7	2,010.0	**0.0**	0.0	
June	2,293.6	2,290.0	**0.0**	0.0	
July	2,603.1	2,460.0	**0.0**	0.0	
Aug.	2,603.8	2,450.0	**0.0**	0.0	
Sept.	2,252.4	2,140.0	**0.0**	0.0	
Oct.	1,819.8	1,750.0	**0.0**	0.0	
Nov.	1,343.1	1,550.0	**0.0**	0.0	
Dec.	1,076.2	1,300.0	**0.0**	0.0	
	20,938.1	2,140.0	**2,306.6**	**166.6**	**7.2%**
	2009thru 2013	21,600.0			

2014
PWD PRODUCTION & CUSTOMER WATER USE



2014
PWD PRODUCTION & CUSTOMER WATER USE




Currrent12 month average GPCD
2015 goal = 198 GPCD
2020 Goal + 176 GPCD
250
200
150
100
50
0
May-10
Jul-10
Sep-10
Nov-10
Jan-11
Mar-11
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14