

**Ordinance to Amend
EBMUD Retirement System Ordinance No.
40 - Section 6(D)**

Board of Directors

April 8, 2014

Updates to Ordinance No. 40



- **Section 6(d) of the Retirement Ordinance provides the rates of retirement contributions for retirement system members, and references that subsequent to December 15, 2003 rates shall not be increased or adjusted except pursuant to the terms of a negotiated collective bargaining agreement.**

Updates to Ordinance No. 40



- The District completed successor bargaining with the four bargaining units, and completed the implementation of the bargained changes in January 2014.
- The bargained changes in retirement system member contributions for members of the 1980 plan were also adopted, by resolution, to apply to managers, confidentials, and non-represented employees of the District.

Updates to Ordinance No. 40



- The proposed update to the Retirement Ordinance, Section 6(d) updates language to show the negotiated increase in contributions for 1980 plan members
- And clarifies that these are not the rates for those members otherwise subject to PEPRA (Section 42 of the Retirement Ordinance).

Updates to Ordinance No. 40



- **1980 Member Contribution Rate Changes Negotiated:**

- April 22, 2013	7.33%
- April 21, 2014	7.83%
- April 20, 2015	8.33%
- April 18, 2016	8.75%

Updates to Ordinance No. 40



- **Action:**

- Introduce and make first reading of the amendments to Section 6(d) of EBMUD Retirement System Ordinance

- **Fiscal Impact:**

- There are no fiscal impacts associated with the proposed language changes.

Updates to Ordinance No. 40



- **Next Steps:**

- **Second reading, April 22, 2014**
- **Adopted ordinances must be placed in newspaper for 2 weeks**
- **Ordinance amendments take effect 30 days after their passage**
- **Amended Ordinance will take effect, May 22, 2014**

Water Supply Briefing and Dry Year Planning

April 8, 2014

Water Supply Briefing

- Statewide Water Supply
- Precipitation & Snow
- Reservoir Storage
- Water Supply Forecast
- Systems Testing
- Dry Year Planning
- Next Steps



Statewide Water Supply Status

(Storage in Thousand Acre-Feet)



Reservoir	Capacity	WY 2013	WY 2014	Percent of Capacity	Percent of Average	Supply Condition
Trinity	2,448	2,122	1,311	54	70	Poor
Shasta	4,552	3,823	2,300	51	62	Poor
Oroville	3,538	3,021	1,773	50	70	Poor
Folsom	977	628	471	48	71	Poor
New Melones	2,420	1,552	1,032	43	63	Poor
Fed. San Luis	966	777	512	53	61	Poor
Millerton	520	315	167	32	44	Critical

EBMUD System	767	646	474	62	76	Fair
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DWR April 2014 Snow Survey



Area	Snow Water Content
	% of Apr 1 Average
Statewide	33%
Mokelumne Watershed	37%



Statewide Snow Water Content

Updated April 7th

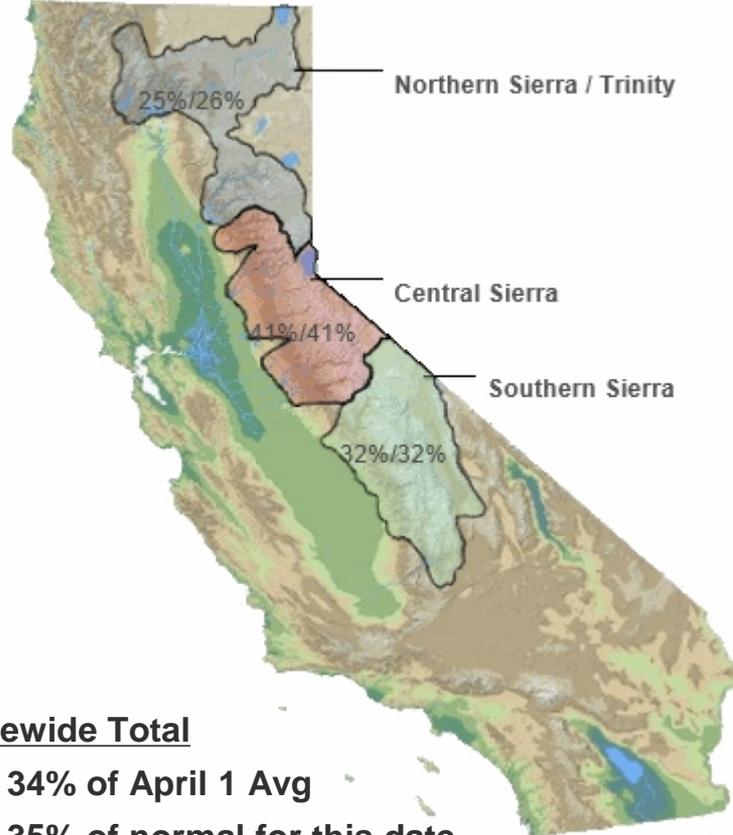


Snow Water Equivalents

Provided by the California Cooperative Snow Surveys

Data For: 07-Apr-2014

% Apr 1 Avg. / % Normal for this Date



Statewide Total

- 34% of April 1 Avg
- 35% of normal for this date



Current Precipitation & Snow

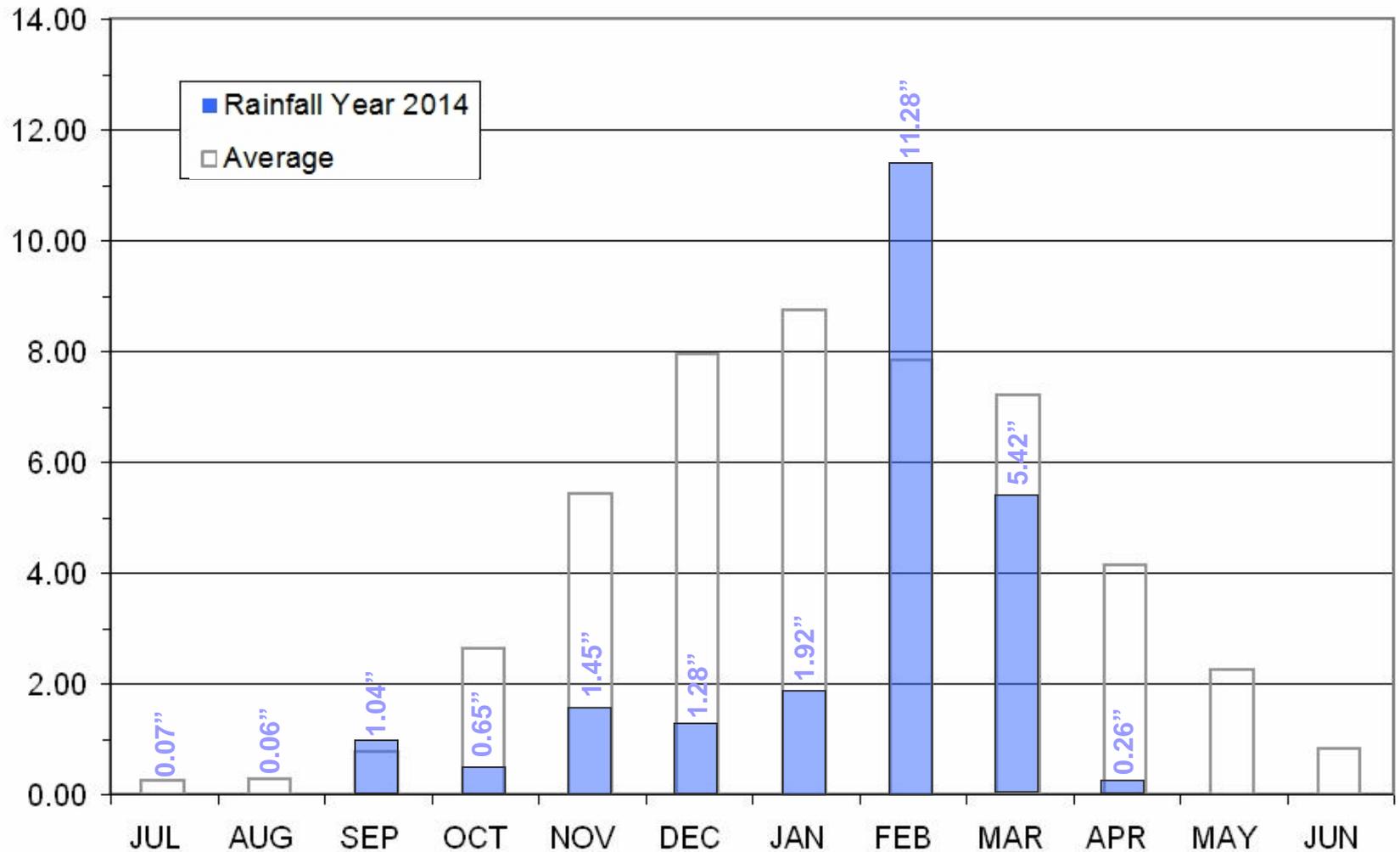


As of 04/06/14	Cumulative Precipitation	% of Average
East Bay		
East Bay Watershed	12.84"	53%
Mokelumne Basin		
4-Station Average	23.43"	56%
Caples Lake Snow Depth	39"	61%
Caples Lake Snow Water Content	11"	42%

Current Mokelumne Precipitation



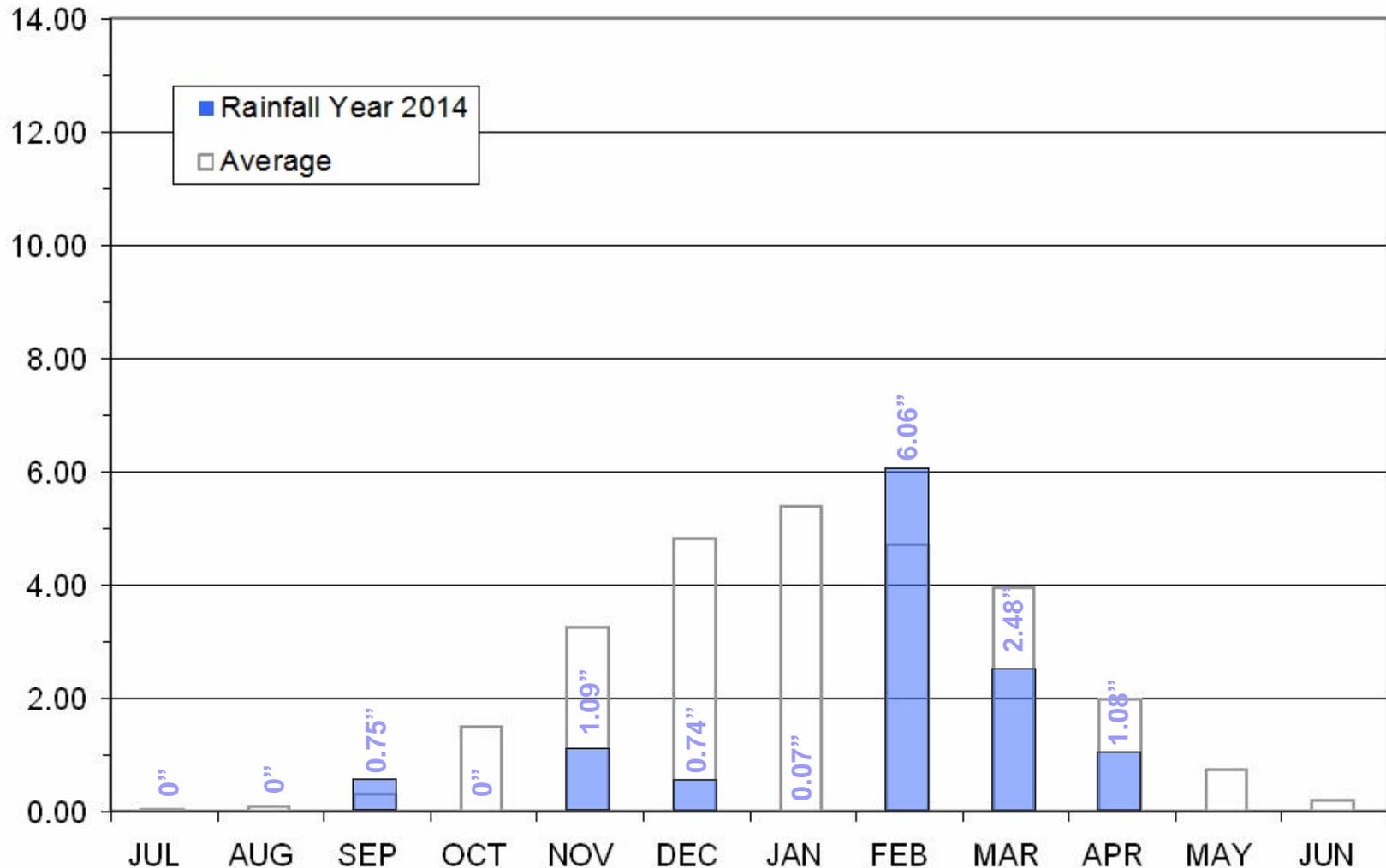
Mokelumne 4-Station Average Precipitation (in)



Current East Bay Precipitation

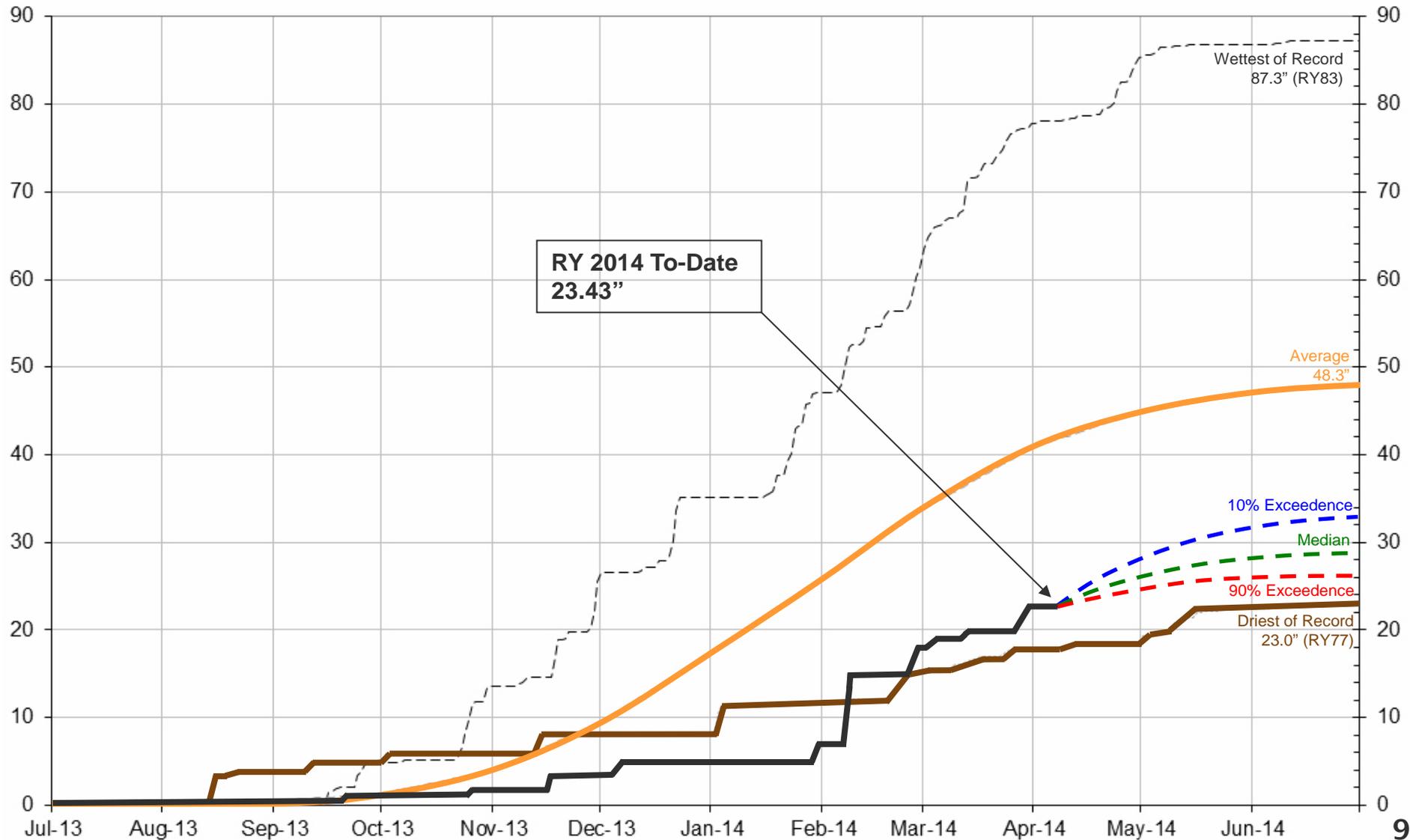


East Bay Precipitation (in)



Rainfall Year 2014 Projection

Mokelumne Precipitation



Current Reservoir Storage



As of 04/06/14	Current Storage	Percent of Capacity	Percent of Average	Supply Condition
Pardee	161,760 AF	82%	88%	Fair
Camanche	188,130 AF	45%	62%	Poor
East Bay	124,350 AF	82%	88%	Fair
Total System	474,240 AF	62%	76%	Fair

Water Supply Runoff Forecast (Projections as of April 8, 2014)



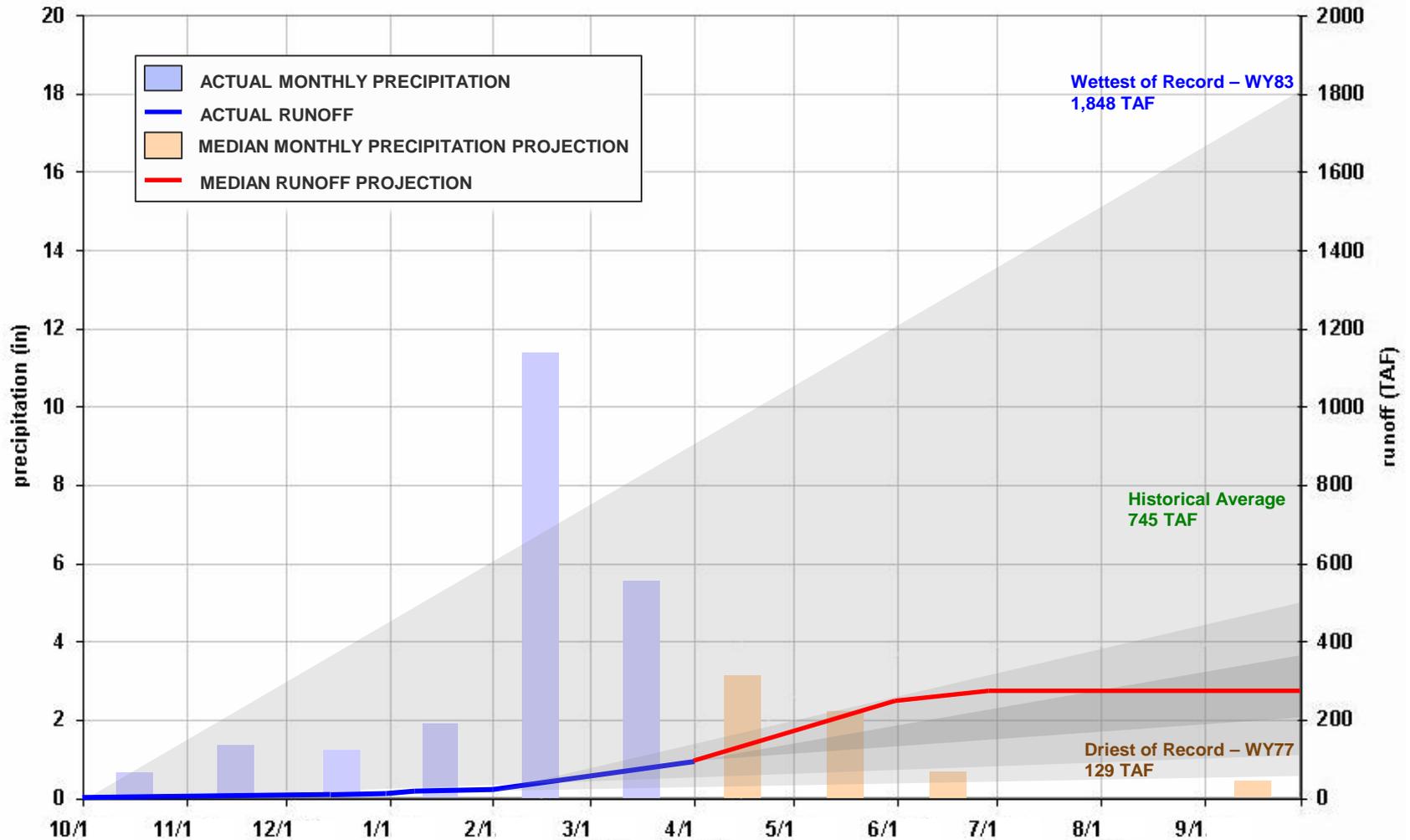
Forecast	Annual Runoff	Total System Storage (on Sept 30, 2014)
90% Exceedence (9 of 10 years are wetter)	210 TAF	370 TAF
50% Exceedence (5 of 10 years are wetter)	280 TAF	440 TAF
10% Exceedence (1 of 10 years is wetter)	380 TAF	510 TAF
Average Year	745 TAF	630 TAF

Mokelumne Runoff and Precipitation

Water Year 2014... How did we get here?



Mokelumne River Basin - Runoff Projections



Water Year 2014



- Rainfall Year 2014 is the 5th driest year in the Mokelumne watershed
- 13% of the precipitation accumulation season remains
- Received about 100,000 acre-feet of runoff to date
- Projected end of September storage with median precipitation is 440,000 acre-feet



Supplemental Supply



FRWA INTAKE

- Requested and paid for CVP water for April and May
- Planning to take 5,000 acre-feet of Placer County Water Agency water when approved
- Submitted preliminary request for 66,500 acre-feet of water to U.S. Bureau of Reclamation assuming continuing dry conditions

April 2014 Systems Testing



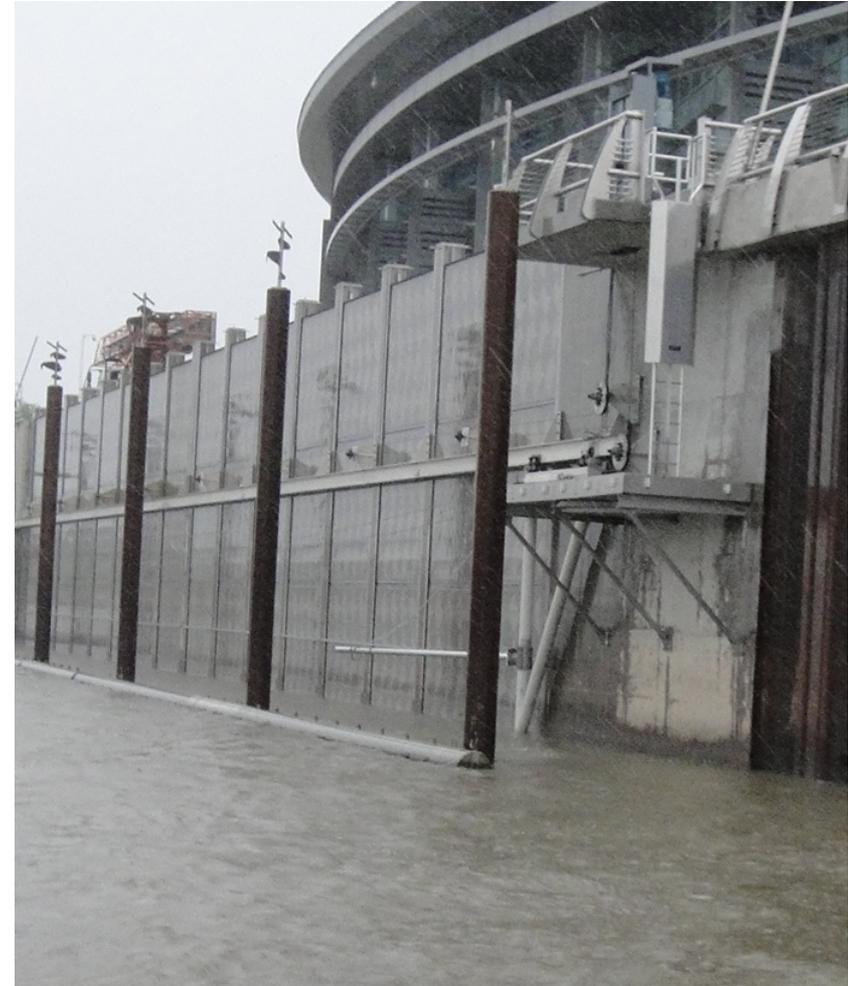
- April 2014 Tests
 - Fish (Impingement/Predator) Monitoring
 - Hydraulic Evaluation
 - District Systems Testing
- Sacramento River at Freeport to San Pablo Reservoir
- Approximately 130 miles traveled
- Discharge 30 to 90 mgd



Fish Monitoring Test

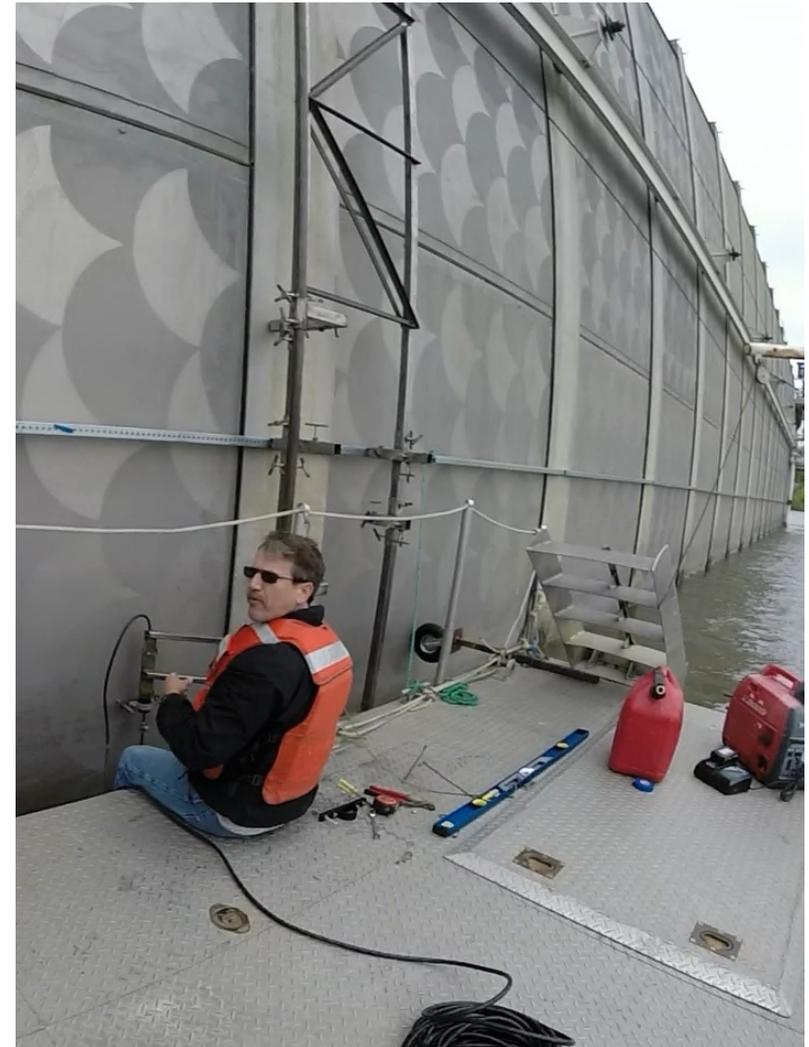


- Impingement / predator monitoring
- Scheduled when Delta smelt most likely in vicinity
- 90 million gallons per day per forebay
- 80 to 100 percent of design flow capacity



Hydraulic Evaluation

- FRWA Intake on Sacramento River
- Acoustic doppler velocimeter measures velocities at fish screens
- 90 million gallons per day per forebay
- 80 to 100 percent of design flow capacity
- 72 measurement locations



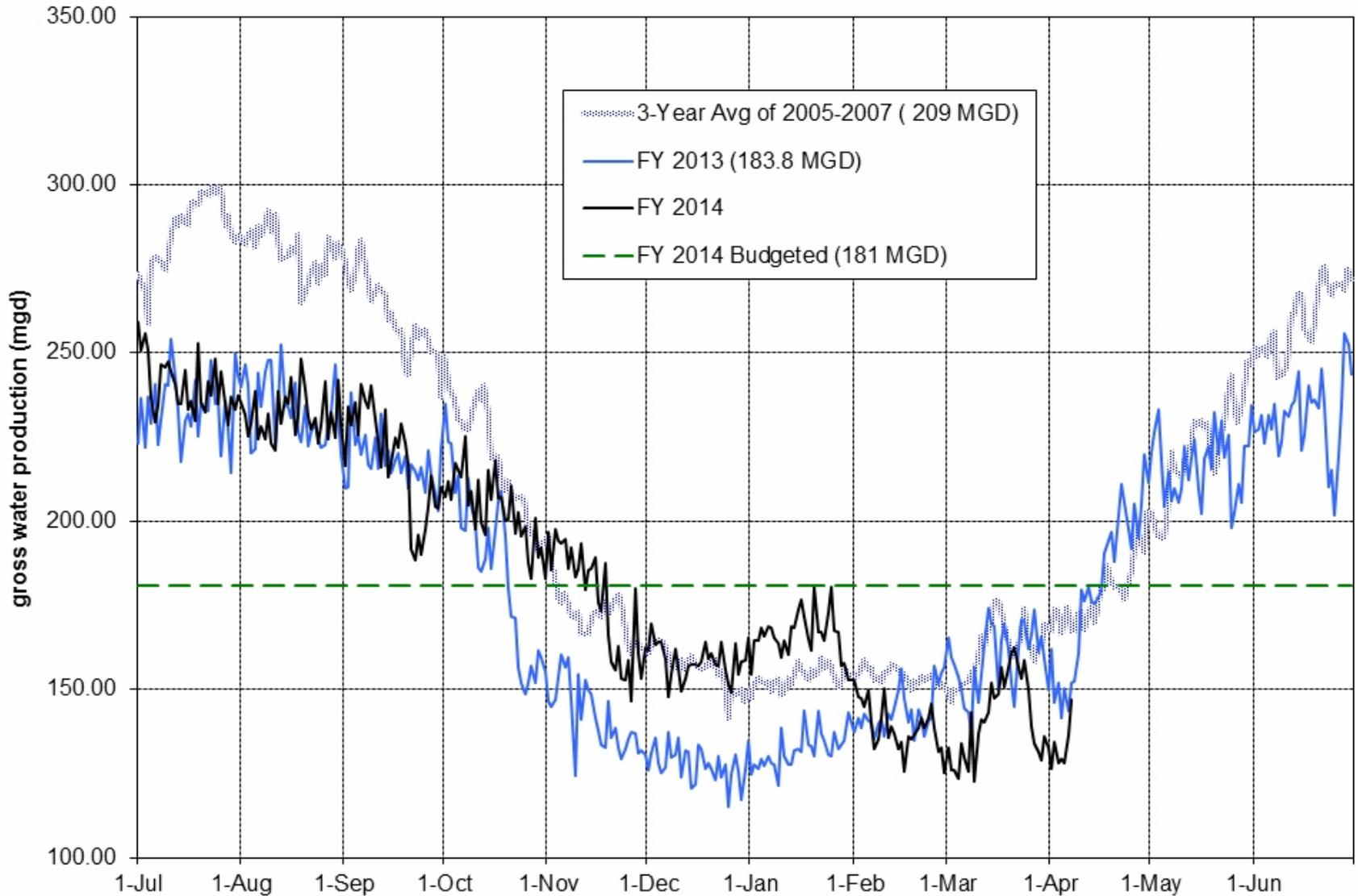
pH Adjustment Test



- Bixler Center and Walnut Creek RWPP
- EBMUD owned and operated
- Carbon dioxide gas used to reduce high pH water
- Meet creek discharge water quality requirements



Current Gross Water Production



Drought Management Update



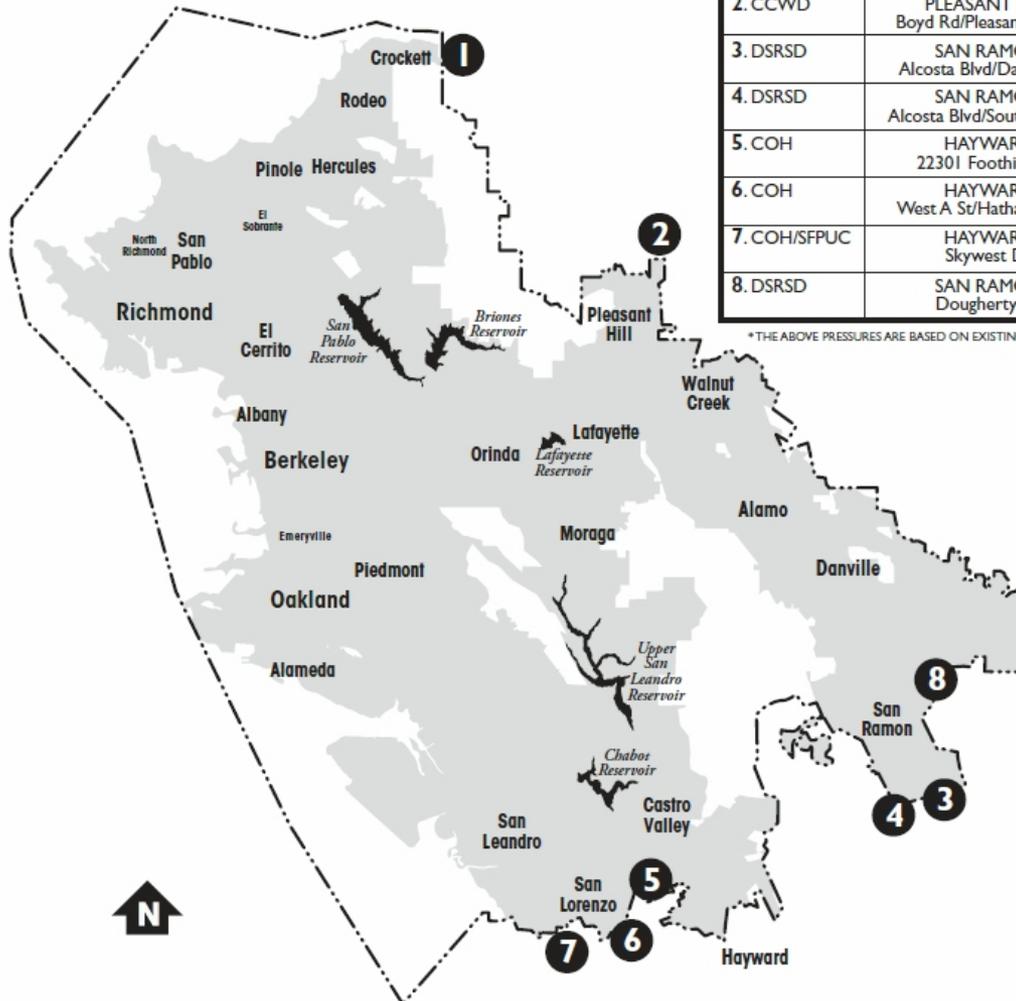
	Feb 12-28	March 1-31	April 1-7	Total
Avg Demand - 2013	146 mgd	159 mgd	150 mgd	
Avg Demand - 2014	136 mgd	141 mgd	133 mgd	
Savings Goal	15 mgd	16 mgd	15 mgd	
Actual Savings	10 mgd	18 mgd	17 mgd	
Actual Savings Rate	7%	11%	11%	10%
Actual Savings Vol	173 MG (530 AF)	548 MG (1,683 AF)	118 MG (361 AF)	839 MG (2,573 AF)

Bay Area Water Agency Drought Response



Agency	Drought Response
Marin Municipal Water District	Voluntary 25% reduction
Alameda County Water Agency	Mandatory 20% reduction
Santa Clara Valley Water District	Mandatory 20% reduction
Zone 7	Voluntary 20% reduction
Contra Costa Water District	Voluntary 15% reduction
San Francisco Public Utilities Commission	Voluntary 10% reduction
EBMUD	Voluntary 10% reduction

Water System Interties



AGENCY	LOCATION	FLOW FROM/TO EBMUD (MGD)	TYPICAL PRESSURE EBMUD/AGENCY (PSI)*	EBMUD PIPE DIA. (INCHES)	PRESSURE ZONE	B-MAP NUMBER
1. CCWD	CROCKETT 340 Winslow St	1.0/0	90/<50	6	A0A	1506 B 570
2. CCWD	PLEASANT HILL Boyd Rd/Pleasant Hill Rd	10/8	100/50	16	H1A	1542 B 528
3. DSRSD	SAN RAMON Alcosta Blvd/Davona Dr	1.4/1.4	100/68	12	F4A	1584 B 448
4. DSRSD	SAN RAMON Alcosta Blvd/Southwick Dr	0.7/0.7	105/54	12	F5Bf	1581 B 448
5. COH	HAYWARD 22301 Foothill Blvd	2.8/2.8	40/65	12	G0A	1539 B 432
6. COH	HAYWARD West A St/Hathaway Ave	5.7/5.7	60/65	12	G0A	1536 B 428
7. COH/SFPUC	HAYWARD Skywest Dr	30/30	70/85	30	G0A	1530 B 428
8. DSRSD	SAN RAMON Dougherty Rd	1.4/1.4	75/135	8	F5Bf	1587 B 470

*THE ABOVE PRESSURES ARE BASED ON EXISTING CONDITIONS UNDER NORMAL OPERATIONS, NOT EMERGENCY INTERTIE CONDITIONS.

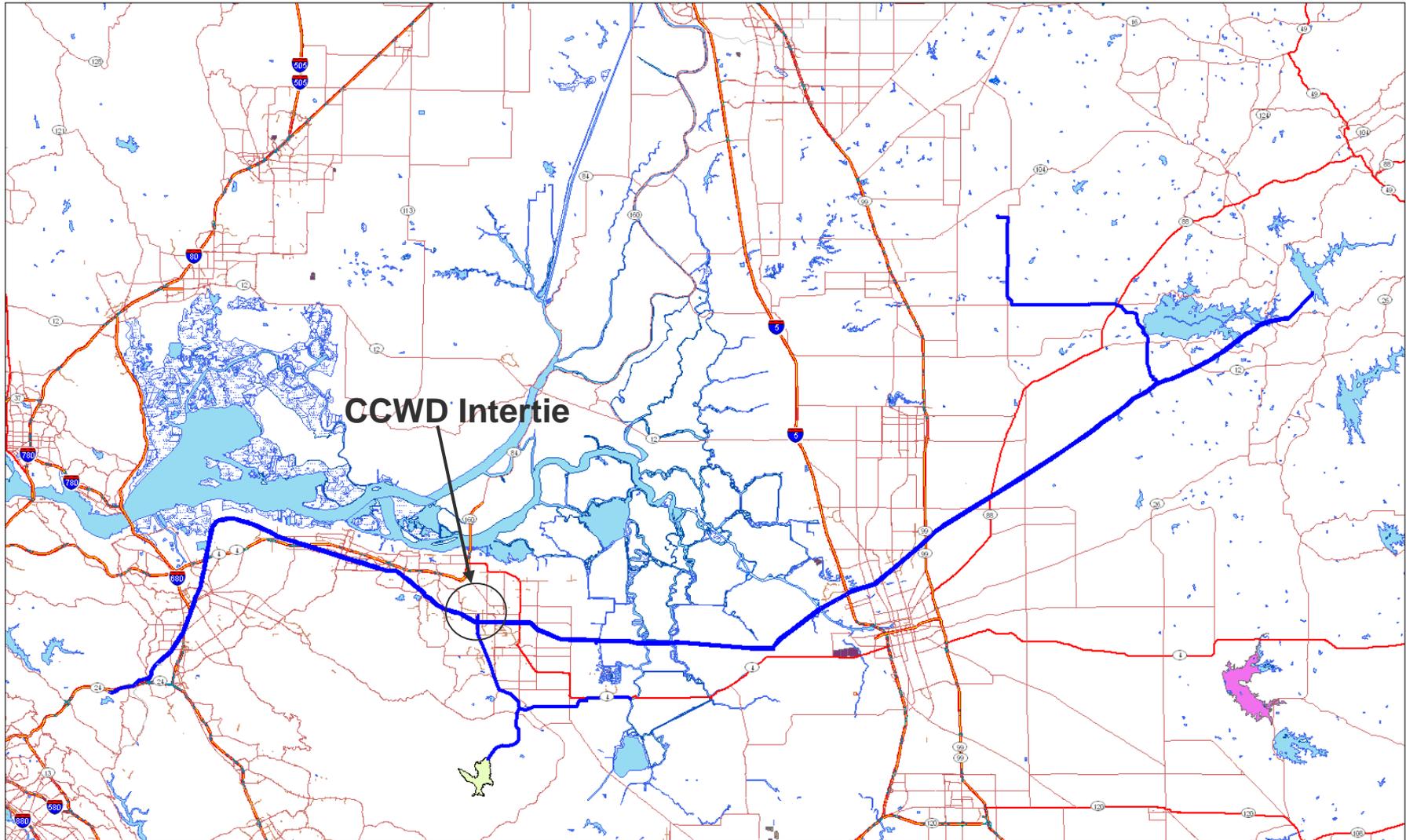
LEGEND

- CCWD** CONTRA COSTA WATER DISTRICT
- DSRSD** DUBLIN SAN RAMON SERVICES DISTRICT
- COH** CITY OF HAYWARD
- SFPUC** SAN FRANCISCO PUBLIC UTILITIES COMMISSION
-  EBMUD SERVICE AREA
-  EBMUD ULTIMATE SERVICE BOUNDARY

EAST BAY MUNICIPAL UTILITY DISTRICT
EMERGENCY INTERTIE LOCATIONS

NOVEMBER 2007

Raw Water Intertie



Next Steps

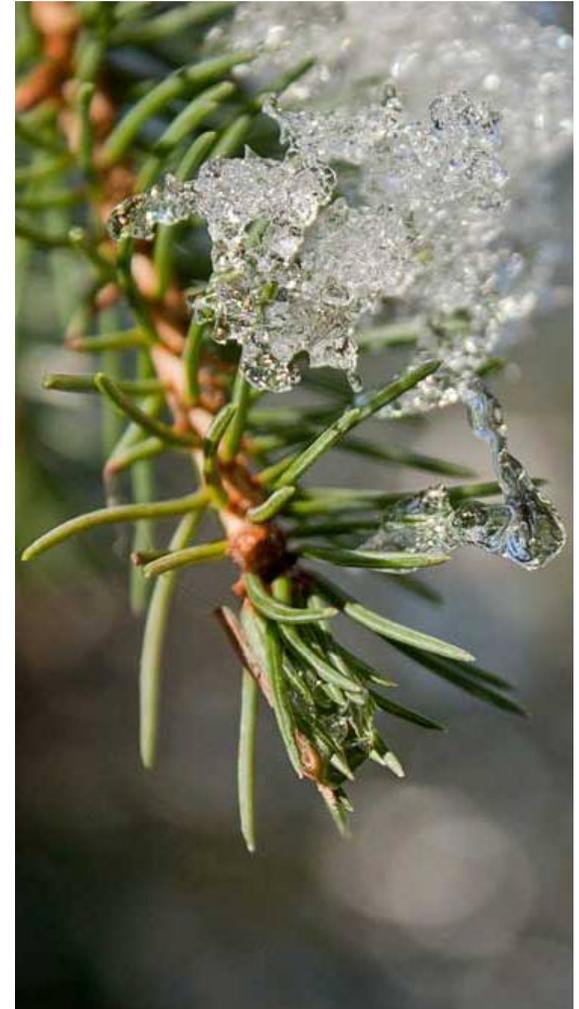
- Continue to monitor and report on the District's water supply
- Continue to update the Bureau of Reclamation
- Continue public outreach



April 22 Water Supply Update



- Water Supply Forecast
- Consider Water Supply Availability and Deficiency Report
- Consider Adoption of Water Shortage Response Plan
- Consider declaring a water shortage
- Consider approval to use the Freeport Regional Water Project for supplemental supply



Hoping for Late Season Snow!



WATER SUPPLY ENGINEERING DAILY REPORT

Monday, April 07, 2014

RESERVOIR STORAGE AND ELEVATION

	<u>WATER SURFACE</u>		<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>		Release <u>Cfs</u>	Spill <u>Cfs</u>
	Elevation <u>Feet</u>	+Gain <u>-Loss</u>	+Gain <u>Ac-Ft</u>	-Loss <u>-Loss</u>	Elevation <u>Feet</u>	Storage <u>Ac-Ft</u>		
<u>MOKELUMNE</u>								
Pardee	550.41	0.09	161,930	170	567.65	197,950	11	0
Camanche	198.92	-0.07	187,780	-350	235.50	417,120	256	0
<u>EAST BAY</u>								
Briones	570.09	0.09	56,220	60	576.14	60,510	0	0
Chabot	218.68	0	7,660	0	227.25	10,350	0	0
Lafayette	445.10	0	3,750	0	449.16	4,250	0	0
San Pablo	298.65	0.33	27,210	230	313.68	38,600	0	0
Upper San Leandro	448.07	-0.12	<u>29,730</u>	<u>-70</u>	459.98	<u>37,960</u>	0	0
Total East Bay Res.			<u>124,570</u>	<u>220</u>		<u>151,670</u>		
TOTAL SYSTEM STORAGE			474,280	40		766,740		

DISTRIBUTION SYSTEM		
<u>DISTRIBUTION RESERVOIRS</u>		
	Storage <u>MG</u>	Operating <u>Capacity</u>
Today	386	720
Total Previous Day	<u>373</u>	
Total Change	13	
<u>WATER PRODUCTION AND DEMAND</u>		
	Million <u>Gallons</u>	Capacity <u>MGD</u>
Lafayette WTP	10.4	25
Orinda WTP	93	190
San Pablo WTP	0	30
Sobrante WTP	0	50
Upper San Leandro WTP	29.7	45
Walnut Creek WTP	27.9	90
TOTAL SURFACE PRODUCTION	161	430
Miscellaneous(Estimated)	<u>0.4</u>	
TOTAL WATER PRODUCTION	161.4	
Change in Distribution System	13	
Wash Water from Distribution Sys.	<u>1.3</u>	
SYSTEM DEMAND	147.1	
East-of-Hills Demand	31	
West-of-Hills Demand	116.1	

MOKELUMNE SYSTEM			
<u>AQUEDUCT DELIVERIES</u>			
	<u>MG</u>	<u>Flow Conditions</u>	
Line 1	0	SHUTDOWN	
Line 2	0	SHUTDOWN	
Line 3	<u>155.9</u>	PUMPING	
TOTAL	155.9	241 Cfs	
FSCC TO MOK AQUEDUCTS		68.6 MGD	
<u>RIVER FLOWS AND RELEASES</u>			
			<u>Cfs</u>
Mokelumne River Natural Flow			866
Pardee Reservoir Inflow			358
Pardee Release to Camanche Res.			11
Pardee Release to JVID			0
Camanche Release to Mokel. River			256
<u>PG&E CO. STORAGE (Acre-feet)</u>			
	<u>Storage</u>	<u>Change</u>	<u>Maximum Capacity</u>
Old Reservoirs	10,917	232	26,560
Salt Springs Res.	41,577	422	141,857
Lower Bear Res.	<u>22,827</u>	<u>354</u>	<u>52,025</u>
Total	75,321	1008	220,442

RAW WATER TRANSMISSION		
	<u>INPUT</u>	<u>DRAFT</u>
Briones Res.	70	0
San Pablo Res.	216	0
U. San Leandro Res.	<u>0</u>	<u>98</u>
TOTAL	286	98
<u>REMARKS</u>		
WID Canal Diversion = 17 cfs		
Mokelumne River below WID = 163 cfs		

PRECIPITATION (Inches)					
<u>STATION</u>	<u>THIS YEAR</u>			<u>AVERAGE YEAR</u>	
	<u>Today</u>	<u>Month</u>	<u>Season to-Date</u>	<u>Season to-Date</u>	<u>Total</u>
USL WTP	0	1.31	13.21	22.93	25.33
Orinda WTP	0	1.56	19.88	29.12	32.06
Lafayette Reservoir	0	0.85	12.47	25.69	28.18
Walnut Creek WTP	0	0.94	12.46	21.24	23.02
Camp Pardee	0	0.72	12.42	18.92	21.56
Salt Springs P.H.	0	0.14	24.65	39.33	45.51
<u>CAPLES LAKE (7,830 FT) DATA</u>					
	Today	Average			
Snow Depth	36 Inches	64 Inches			
Water Content	11.6 Inches	27.2 Inches			

PG&E data as of 4:00 pm previous date.
 All other data as of midnight.
 WTP capacities are sustainable rates.



Survey of: EBMUD Customers

March 2014

*April 8th, 2014 - Presentation to
Board of Directors*



Methodology

- ▶ Telephone Survey of East Bay Municipal Utility District customers
- ▶ February 18 – March 3, 2014
- ▶ 1,200 completed interviews using Random Digit Dialing
 - Conducted in English and Spanish
 - Results are demographically representative of the broader population
 - Results have a margin of error of ± 2.8 percentage points
 - Interviewing by trained, professional interviewers

Please note that due to rounding, some percentages may not add up to exactly 100%.

Key Findings

- ▶ EBMUD is a highly regarded organization:
 - Strong favorability rating: 71% favorable to 11% unfavorable
 - Overall job performance ratings is high: 62% excellent/good
 - 78% believe EBMUD is an agency they can trust
 - Water quality ratings are improving
- ▶ Customers are very supportive of investments in infrastructure, the water supply and emergency preparedness.
- ▶ Online bill paying through EBMUD's website gets positive ratings, but there is room for improvement
- ▶ Concern about rates has increased and self-reported commitment to conservation is down slightly compared with previous years.

EBMUD Overall Ratings

Favorability Ratings

EBMUD has a very strong brand rating, especially compared to other utilities.

■ Favorable

■ (Can't Rate/Never Heard)

■ Unfavorable

The East Bay Municipal Utility District

71%

18%

11%

The Pacific Gas and Electric Company

64%

6%

29%

AT&T

54%

7%

39%

Comcast

41%

11%

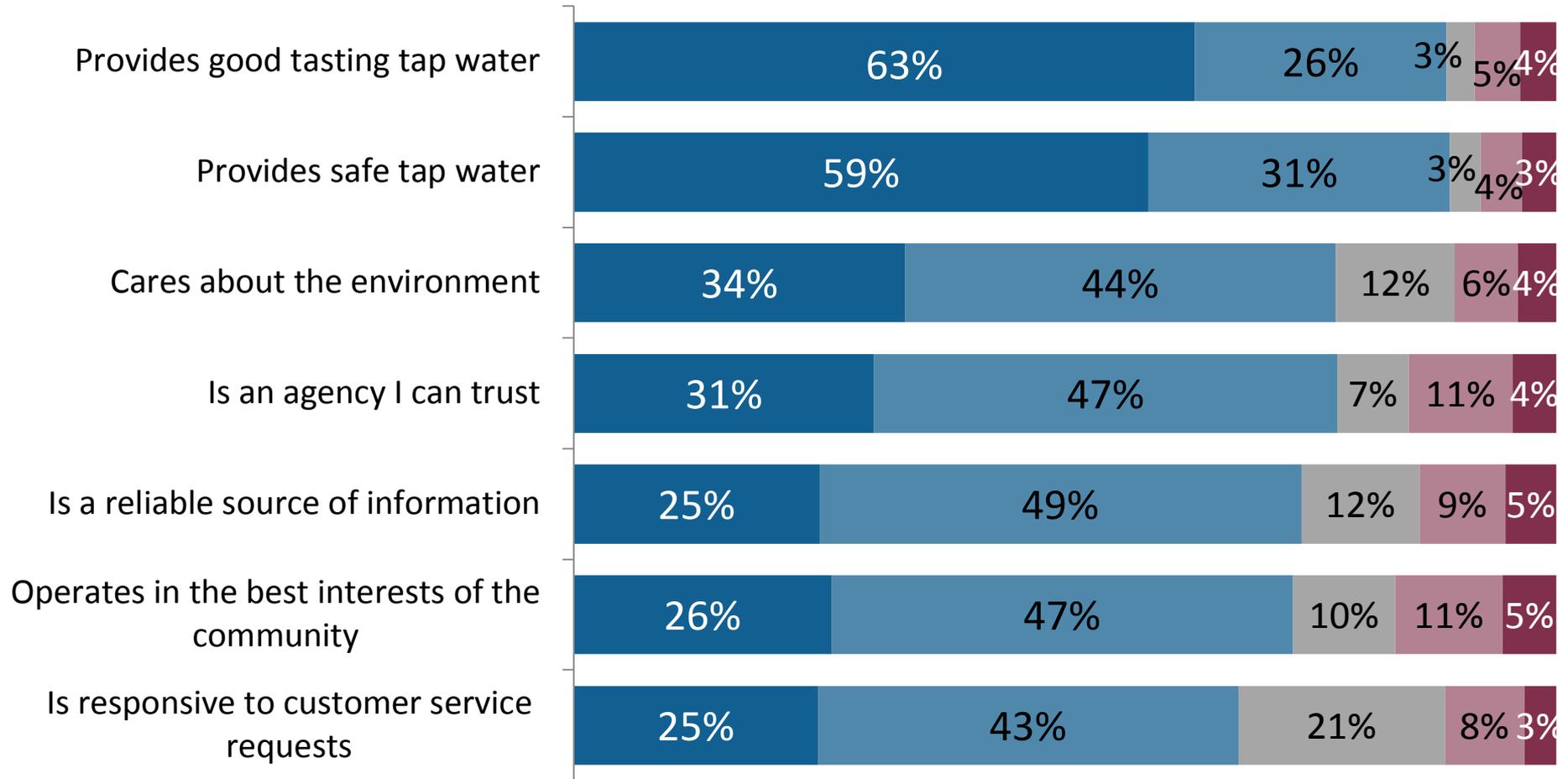
48%

Q6-Q9. I'm going to read you a list of organizations and agencies. For each one, please tell me if you have a favorable or unfavorable opinion of it. If you have never heard of one, please say so...Is that very or somewhat favorable/unfavorable?

Describing East Bay MUD

EBMUD "brand attributes" are very strong, especially on safety and the taste of water.

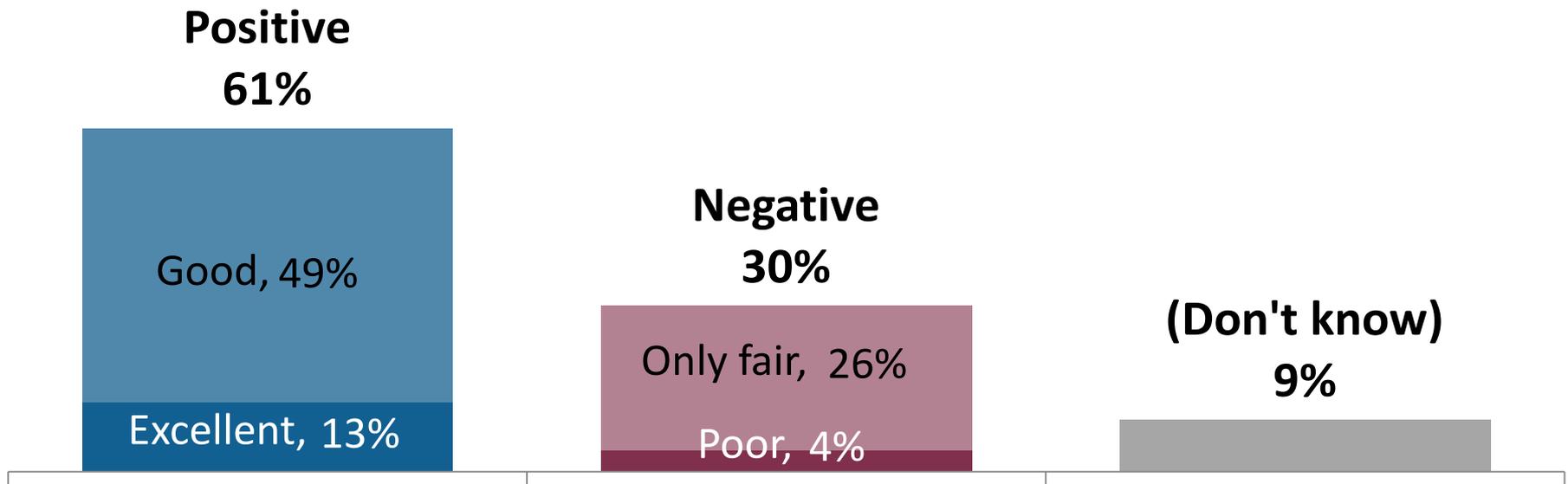
■ Strongly agree ■ Somewhat agree ■ (Don't know) ■ Somewhat disagree ■ Strongly disagree



Q21-Q27. Please tell me if you agree or disagree that the statement describes the East Bay Municipal Utility District, using a scale of strongly agree, somewhat agree, somewhat disagree, or strongly disagree.

EBMUD Overall Job Rating

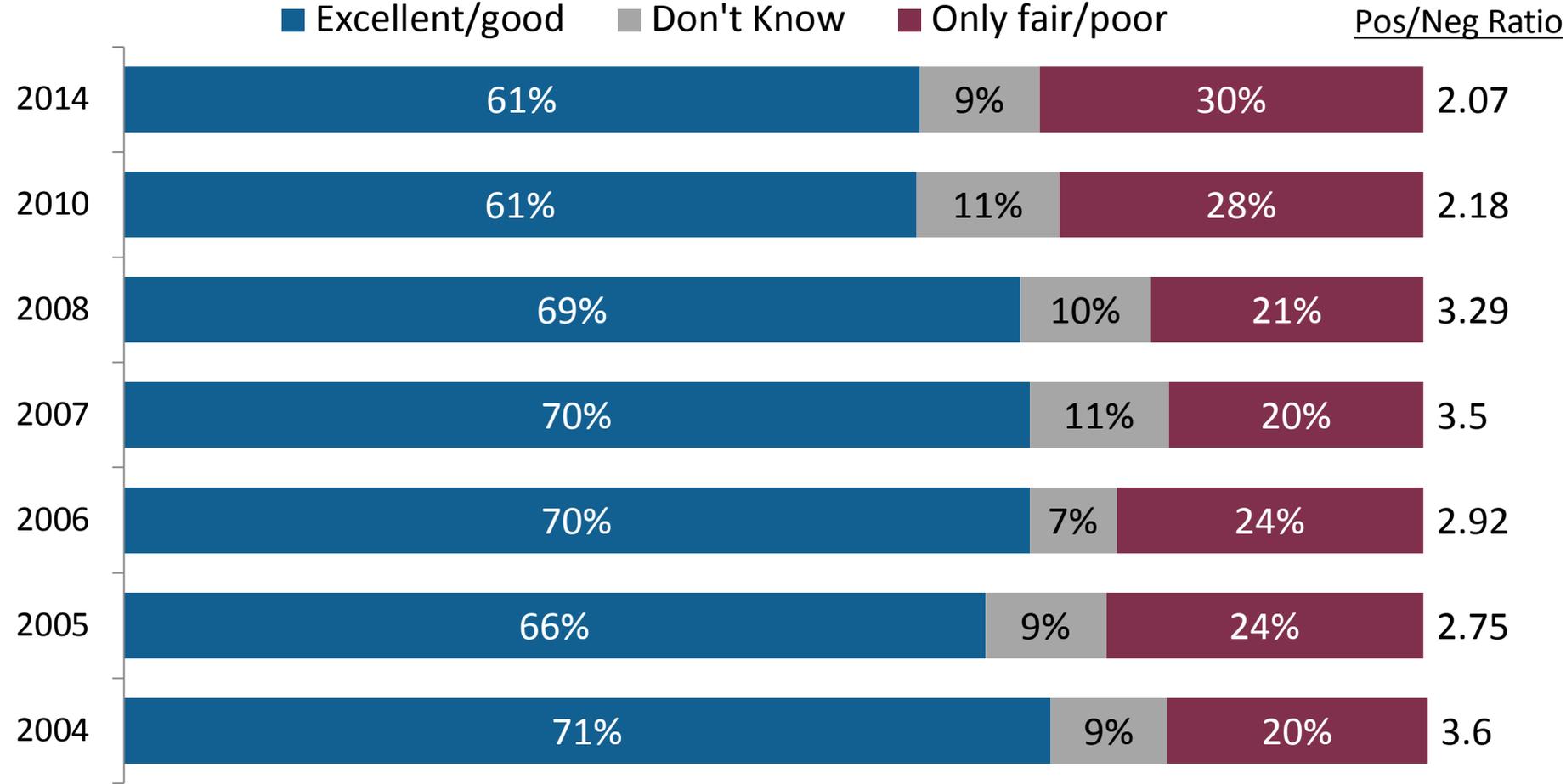
Customers give EBMUD a positive overall job performance rating.



Q10. Thinking specifically about the East Bay Municipal Utility District, using a scale of excellent, good, only fair, or poor, please rate the overall job East Bay Municipal Utility District is doing

Overall Job Rating Over Time

While still positive, EBMUD's job performance rating is declining slightly over time.



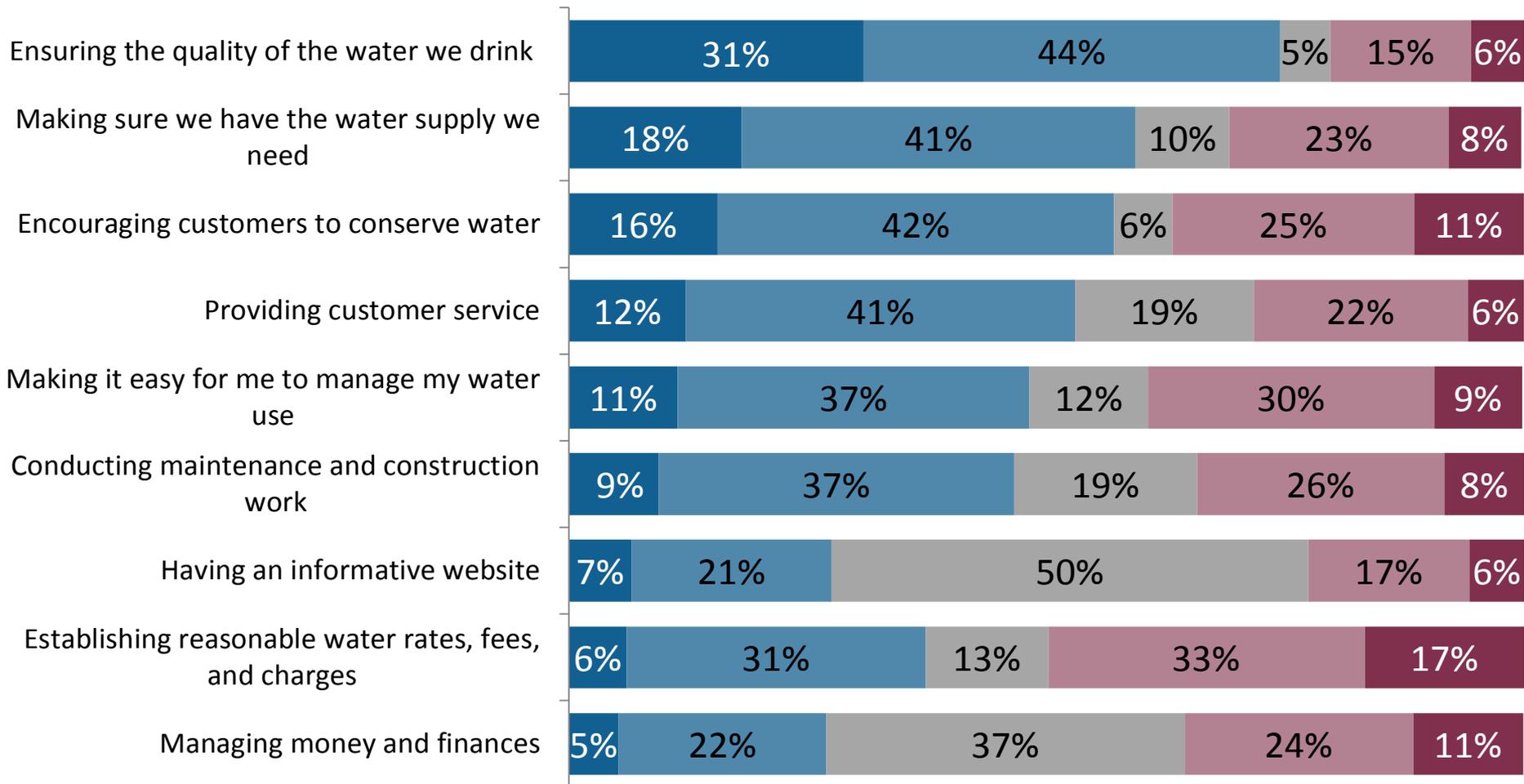
Q10. Thinking specifically about the East Bay Municipal Utility District, using a scale of excellent, good, only fair, or poor, please rate **the overall job East Bay Municipal Utility District is doing**

EBMUD Responsibilities Ratings

EBMUD Job Ratings

EBMUD is rated high on water quality, water supply, and encouraging conservation.

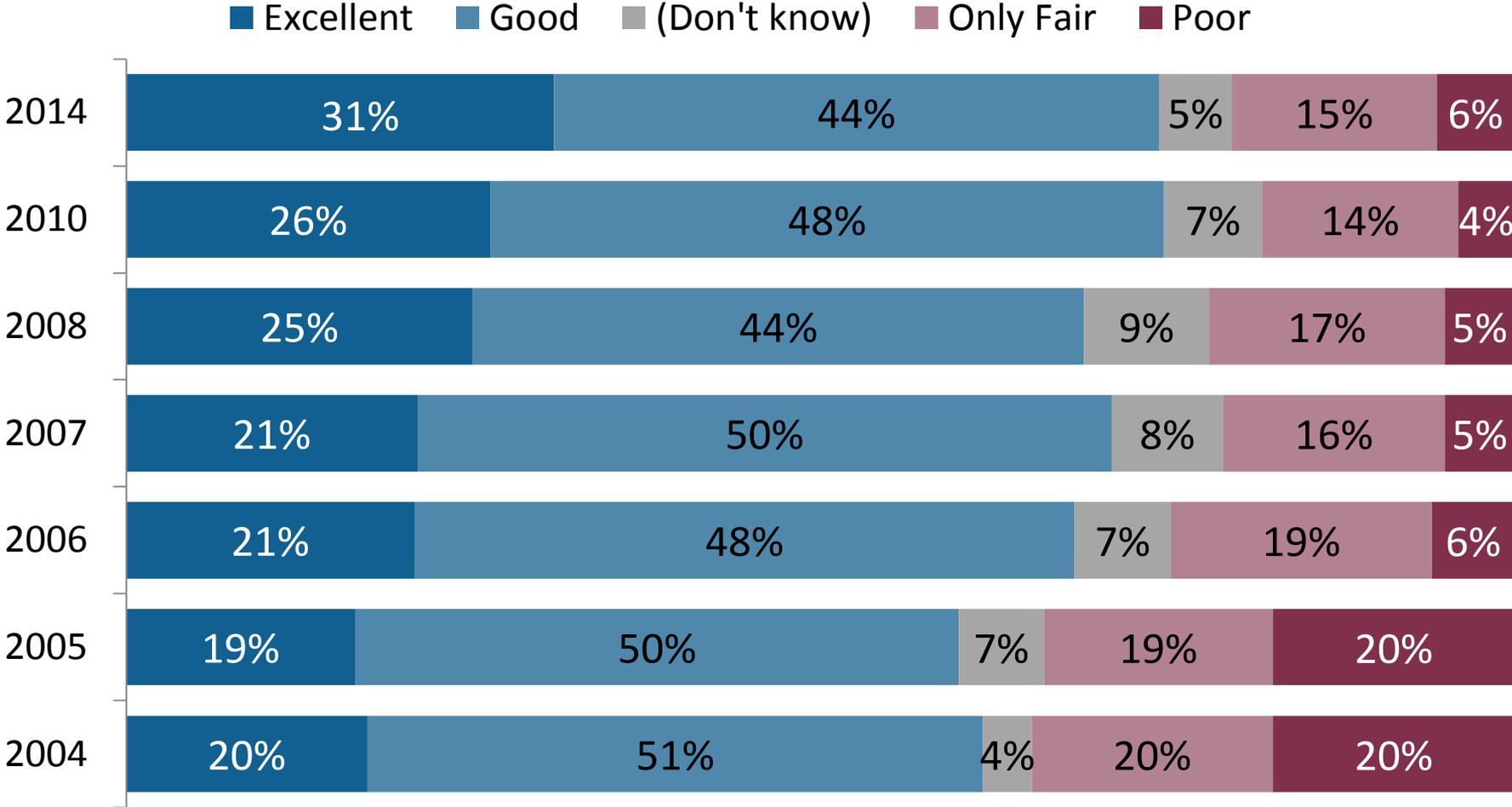
■ Excellent
 ■ Good
 ■ (Don't know)
 ■ Only Fair
 ■ Poor



Q11-Q19. Using a scale of excellent, good, only fair, or poor, please rate the job the East Bay Municipal Utility District is doing on each of the following responsibilities:

Quality of Water Over Time

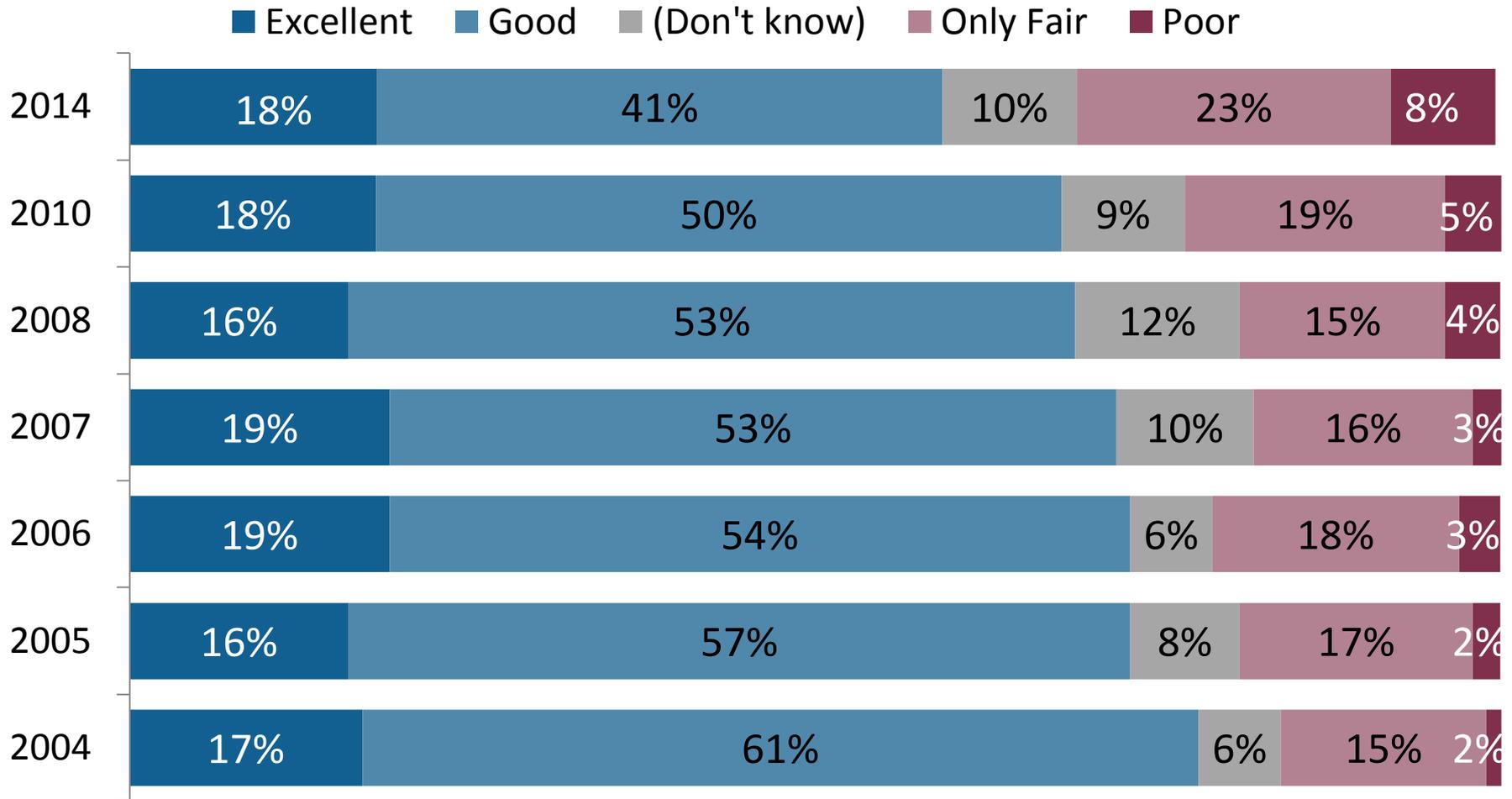
Ratings of EBMUD's job performance on water quality have improved steadily over time and "excellent" ratings are up significantly over the decade.



Q11. Using a scale of excellent, good, only fair, or poor, please rate the job the East Bay Municipal Utility District is doing on **ensuring the quality of the water we drink**

Water Supply Over Time

Ratings of EBMUD's performance on water supply are positive, but have declined – likely due to drought conditions

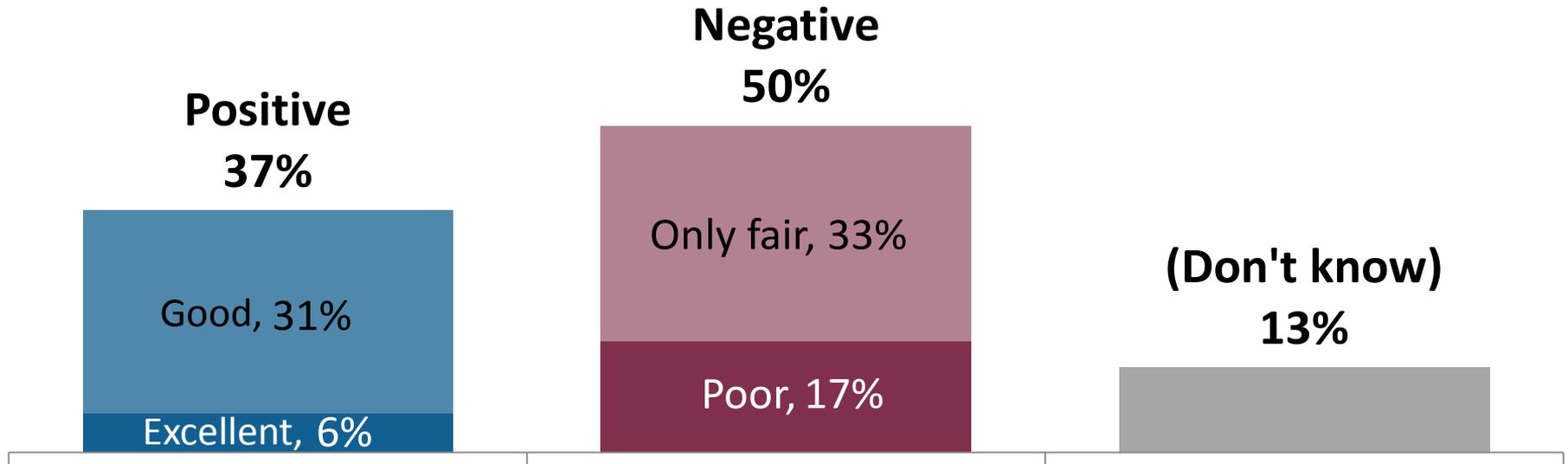


Q12. Using a scale of excellent, good, only fair, or poor, please rate the job the East Bay Municipal Utility District is doing on **making sure we have the water supply we need**

Rates and Fees

Establishing Rates Job Rating

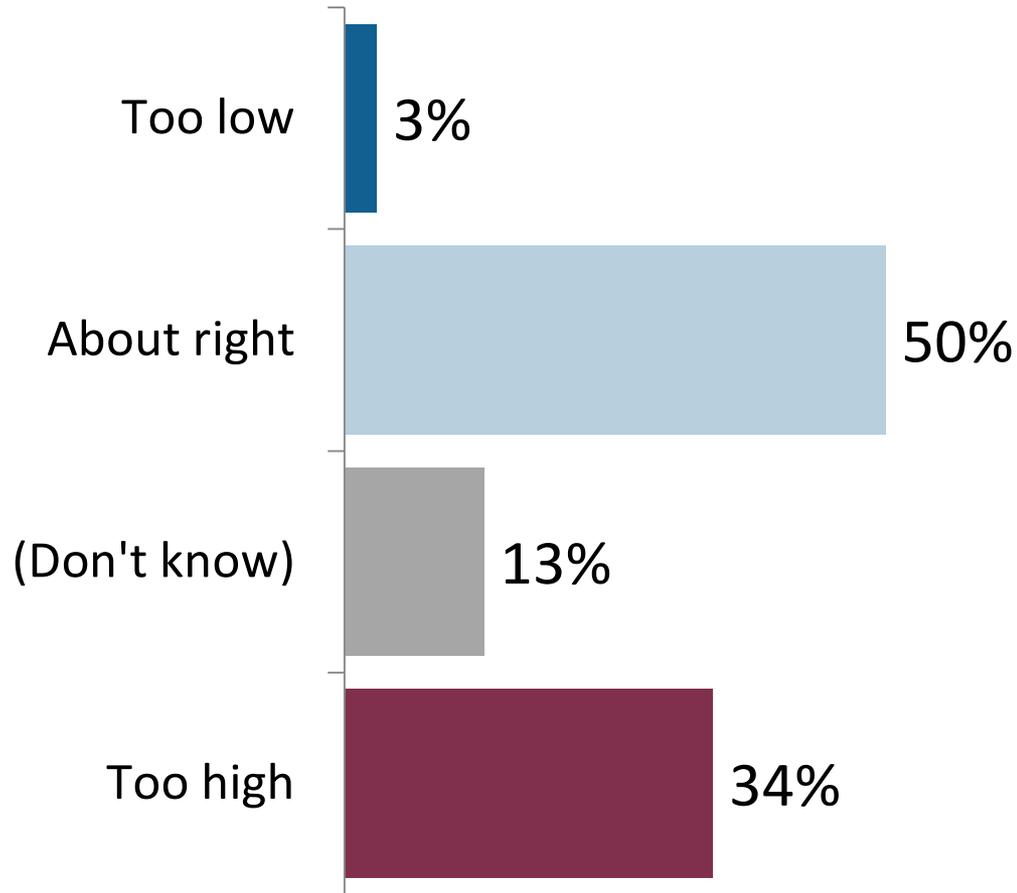
EBMUD has a net-negative rating on establishing rates, fees, and charges.



Q17. Using a scale of excellent, good, only fair, or poor, how would you rate Easy Bay Mud's performance on **establishing reasonable water rates, fees, and charges**?

Rates for Service

Although half rate EBMUD critically on rate-setting, only one third think rates are too high.

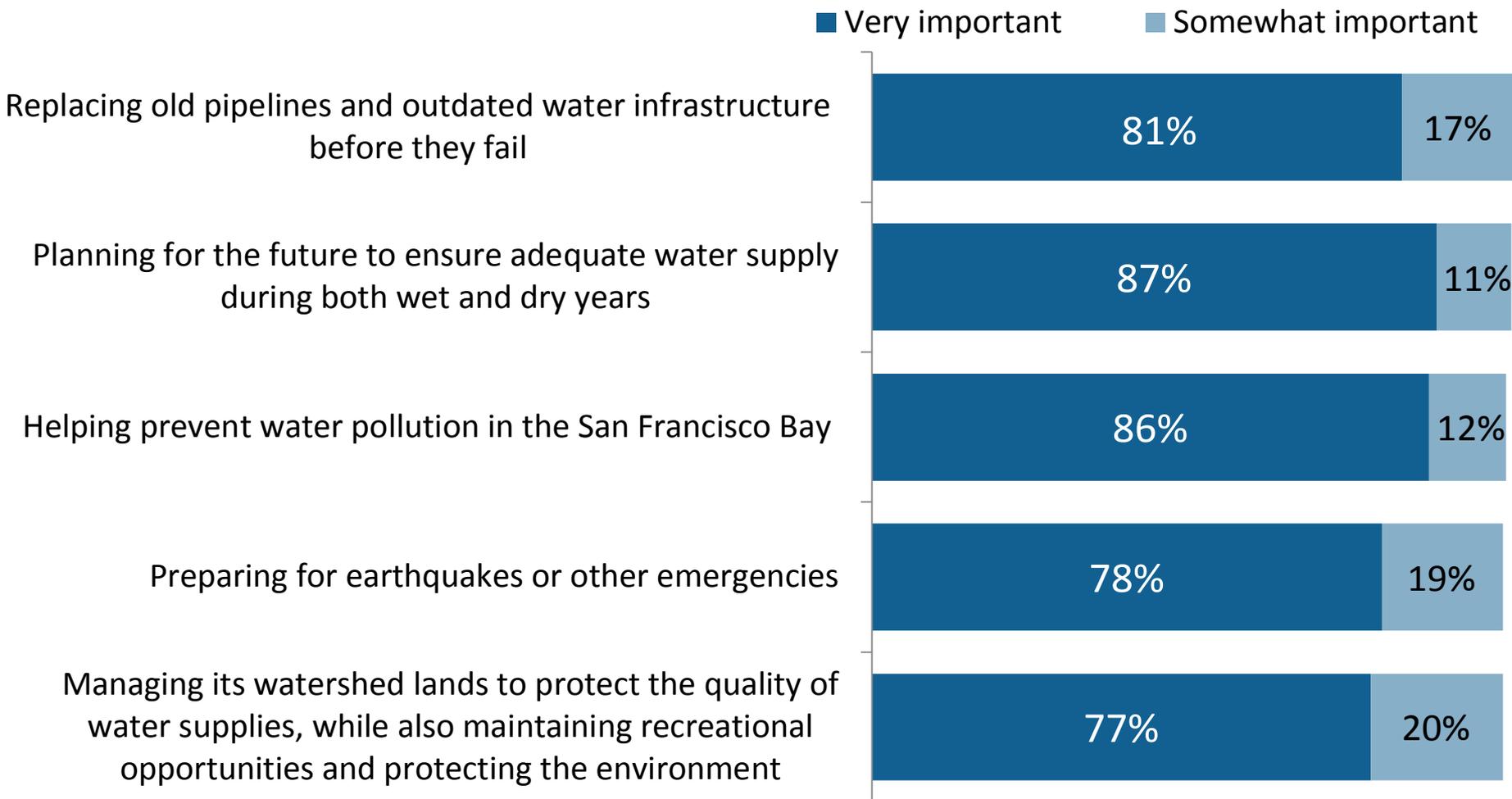


Q20. Would you say that the rates that East Bay Municipal Utility District charges for service are too low, about right, or too high?

Priorities for the future

Projects and Priorities

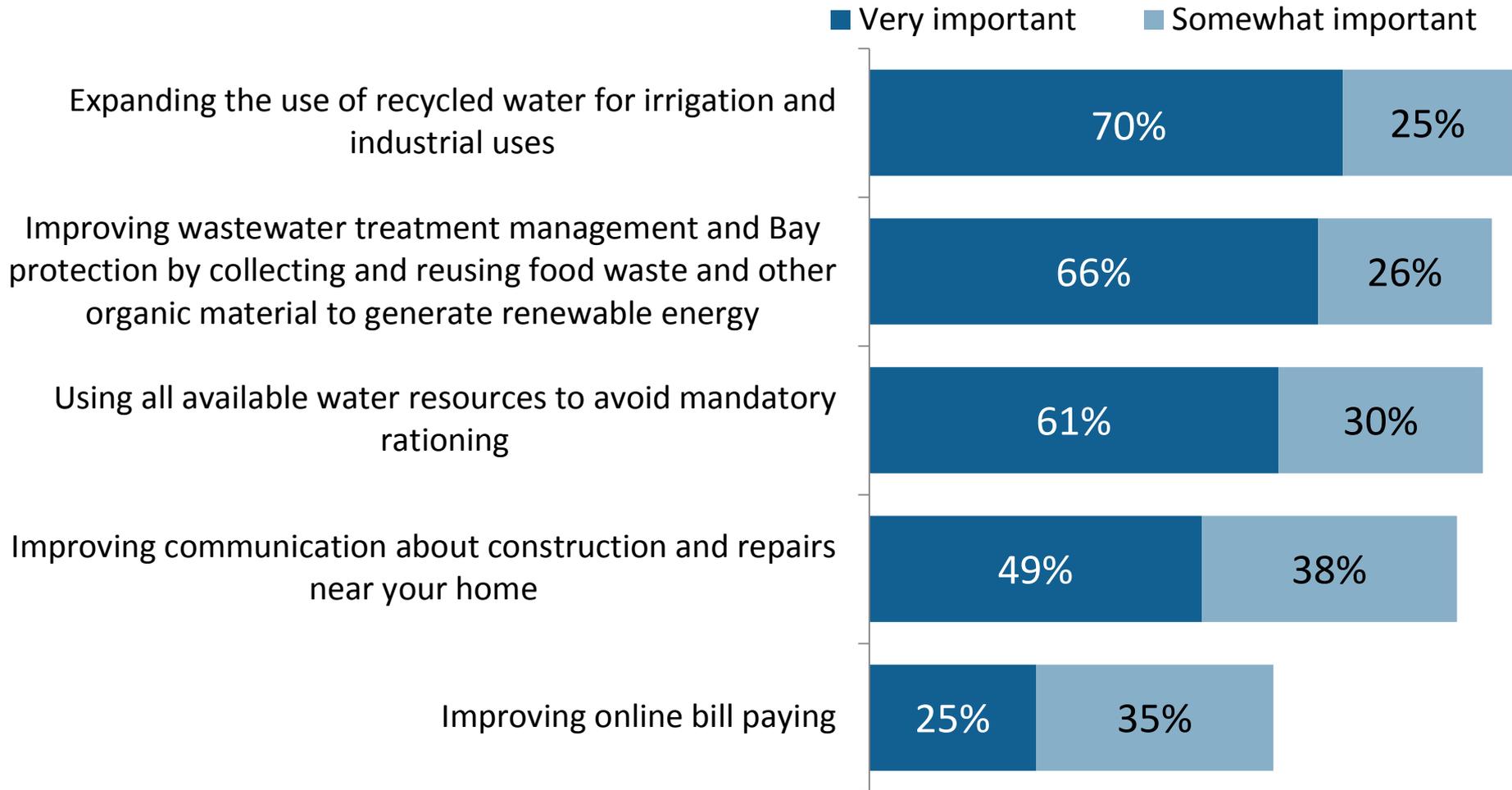
Investing in the future is very important to customers.



Q30-Q39. Now I'm going to read you a list of some of the projects and priorities for the East Bay Municipal Utility District. For each one, please tell me if the project or priority is very important, somewhat important, not very important, or not at all important to you.

Projects and Priorities, continued

Residents' opinions regarding improving communication about construction are less intense than those regarding the other projects, but most still believe it is important.

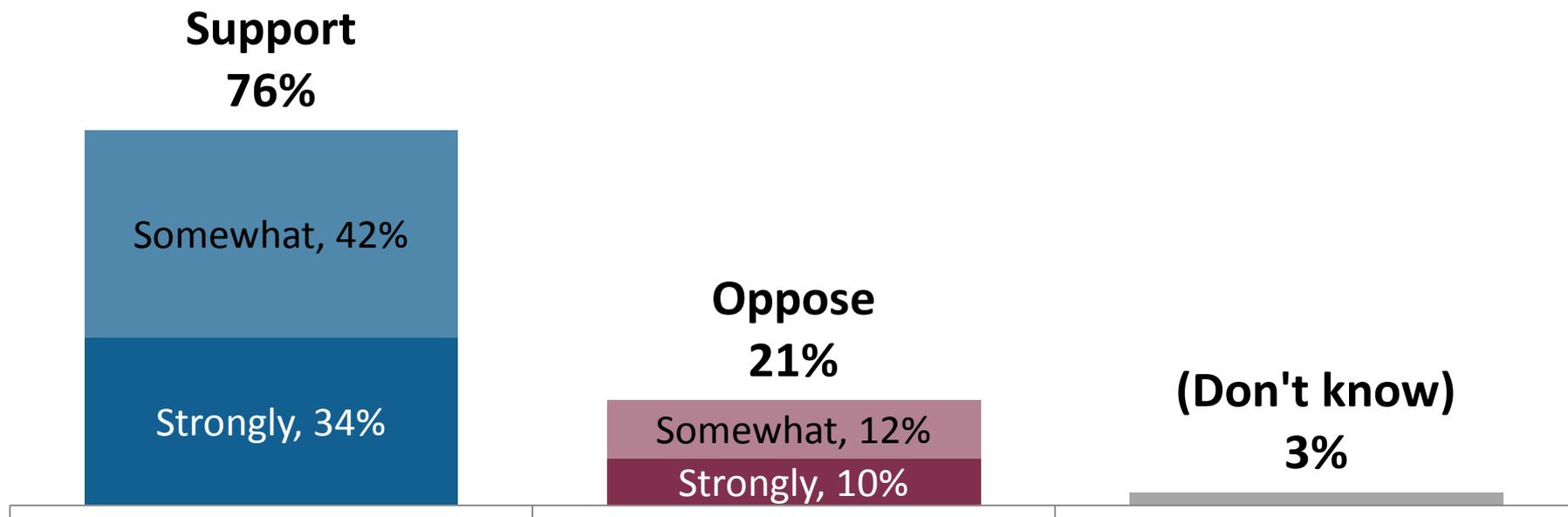


Q30-Q39. Now I'm going to read you a list of some of the projects and priorities for the East Bay Municipal Utility District. For each one, please tell me if the project or priority is very important, somewhat important, not very important, or not at all important to you.

Support for Infrastructure Repair

A sizable majority declare support for an increase in water rates to allow EBMUD to invest in upgrades to water infrastructure, but intensity is weak.

Most of East Bay Mud's pipes and water infrastructure is more than 50 years old and much of it will need repair or replacement in future years.

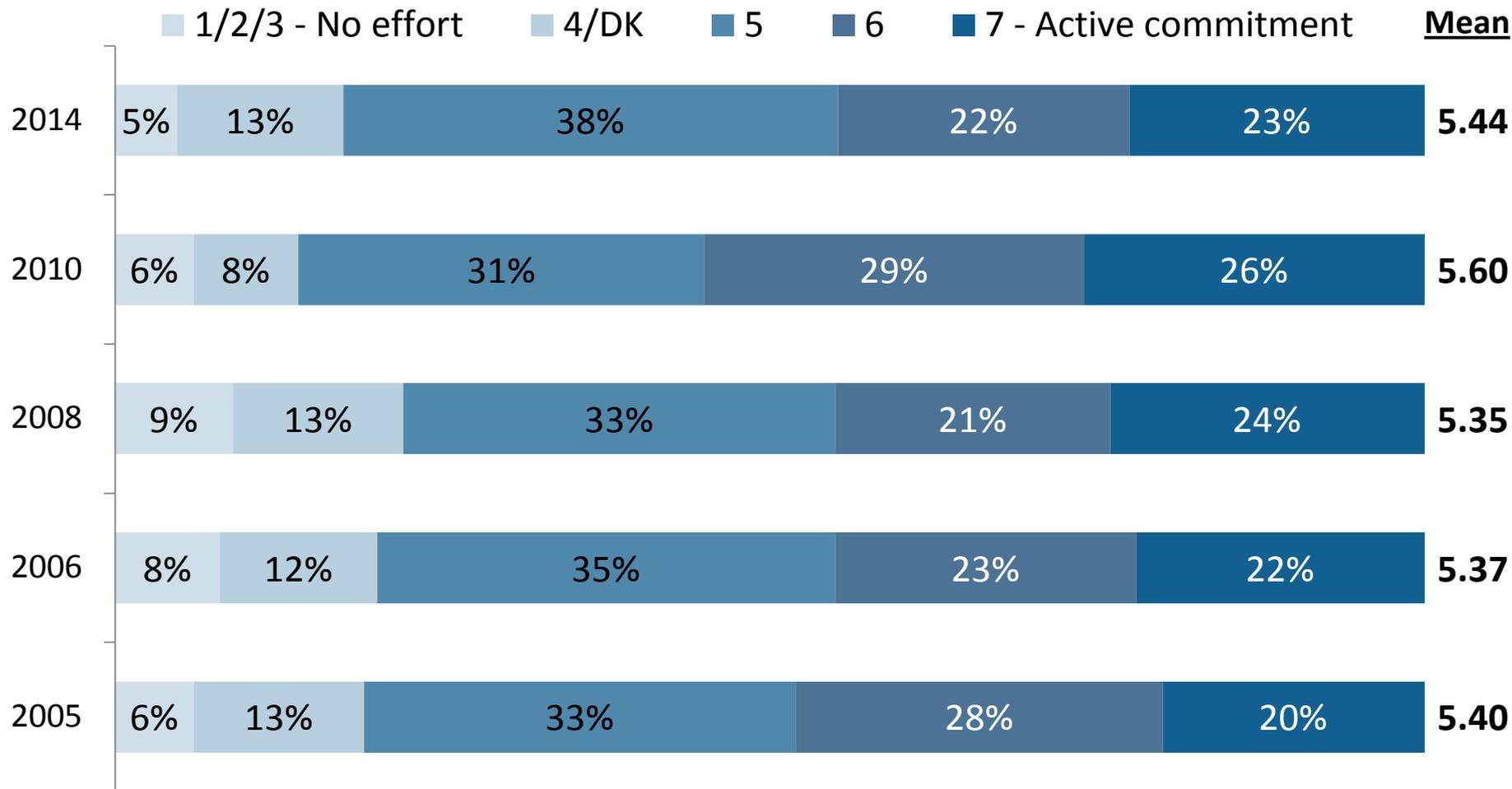


Q40. In general, would you say you strongly support, somewhat support, somewhat oppose, or strongly oppose increases in water rates to allow East Bay Mud to invest in upgrades to pipelines and other water infrastructure?

Water Conservation

Water Conservation Scale Over Time

Over time, the reported commitment to conservation has remained stable, but fewer report an “active commitment” today than did in 2010.

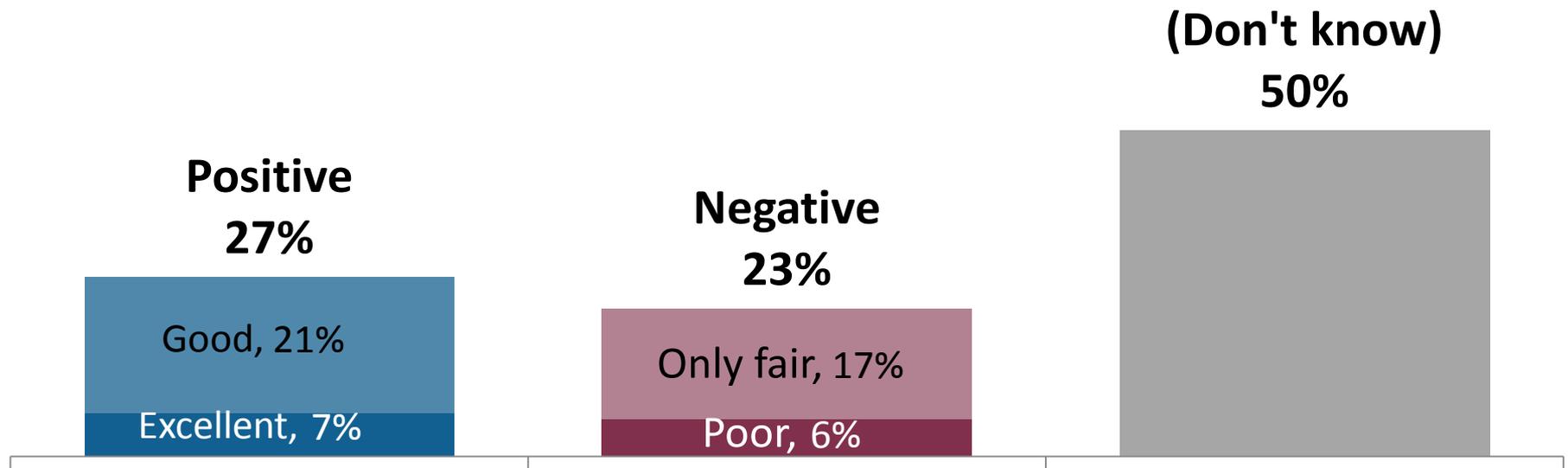


Q28. Now, on a scale from one to seven where one is making no effort to use water efficiently and a seven is an active commitment to water conservation, where would you place yourself on that scale?

Bill Paying

Having an Informative Website - Job Rating

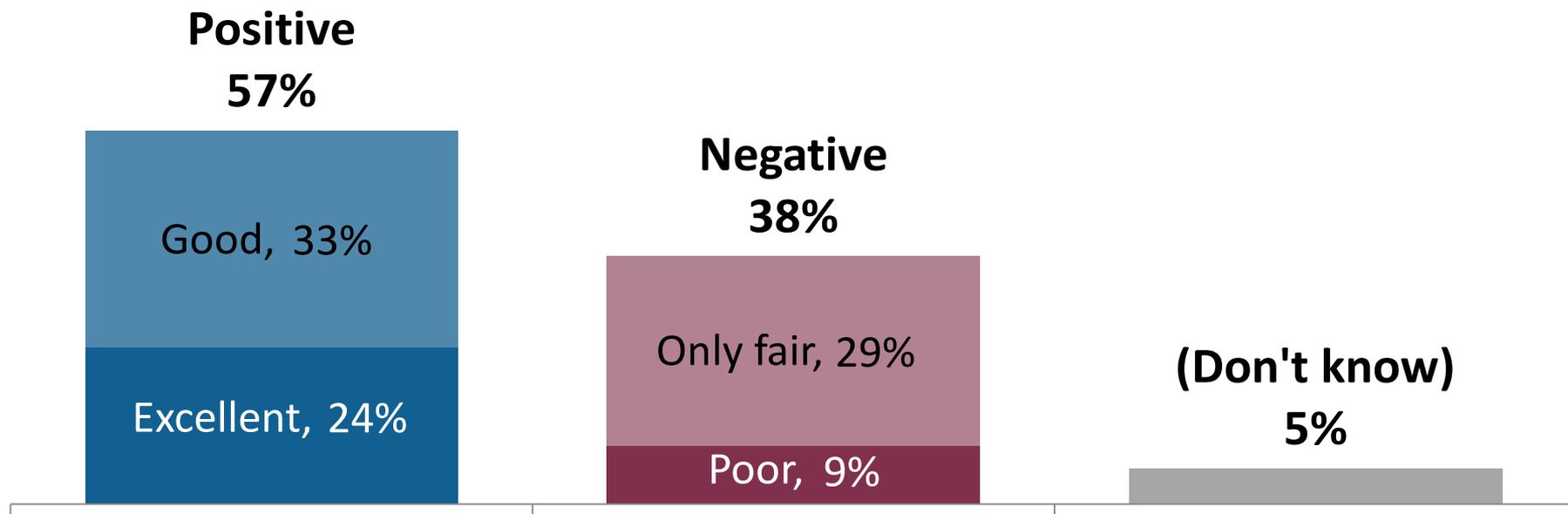
Half of all customers cannot rate EBMUD's website but among those that can rate it, negative and positive ratings are almost equal.



Q14. Using a scale of excellent, good, only fair, or poor, please rate the job the East Bay Municipal Utility District is doing on **having an informative website**.

Rating Online Bill Paying

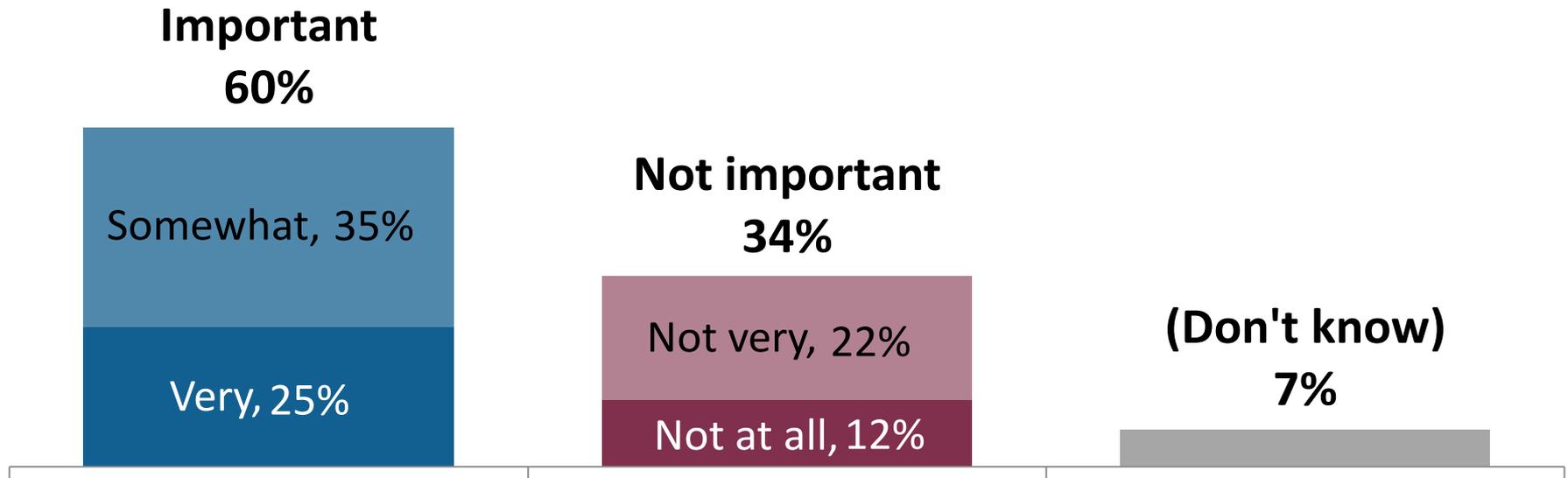
Among those that pay their bill using EBMUD's online site (n=129), a majority give it a positive rating, but more than one-third are dissatisfied.



Q42. Using a scale of excellent, good, only fair, or poor, how would you rate **East Bay Mud's online bill payment system**?

Improving Online Bill Paying

A majority believe that improving online bill paying is an important priority for EBMUD.



Q35. Now I'm going to read you a list of some of the projects and priorities for the East Bay Municipal Utility District. For each one, please tell me if the project or priority is very important, somewhat important, not very important, or not at all important to you - **Improving online bill paying.**

Conclusions

Conclusions

- ▶ EBMUD continues to be a highly-regarded organization, especially when compared to other utilities.
- ▶ EBMUD receives strong job performance ratings on several key items, particularly on providing good tasting and safe tap water.
- ▶ Residents believe that planning and investing in the future are very important.
- ▶ The EBMUD online bill-pay system is not widely used; it is perceived positively by most current users, but improvements might be beneficial.

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