Diablo Vista Water System

Presentation for Pleasant Hill City Council

Phil Williamson
DVWS Advisory Board Chair

June 20, 2016

AGENDA

- DVWS District Overview & Personnel
- CCWD 2015 Drought Management Ordinance
  - 2015 Conservation Results
- Drought Management Plan Rescinded for 2016
  - Ongoing Conservation Measures
- 2016 System Status
- 2015-2016 Expenses
- Capital Plan

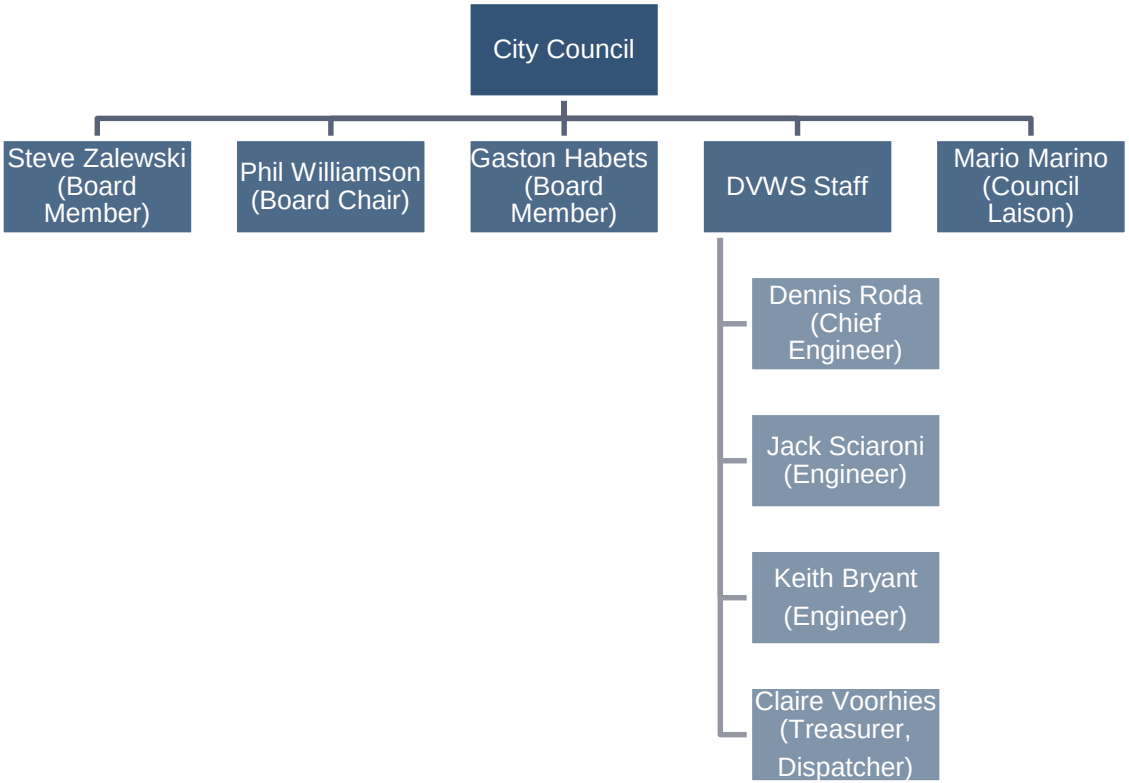
DVWS Overview

The Diablo Vista County Water District was formed in 1950 to provide untreated canal water for irrigation to 475 homes

Service area bounded roughly by Oak Park Boulevard, the Contra Costa Canal, Boyd Road and Patterson Boulevard, known locally as “Poet’s Corner”

In 1963, the Diablo Vista County Water District was merged with the newly incorporated City of Pleasant Hill and changed its name to Diablo Vista Water System

DVWS Personnel



CCWD 2015 Drought Management Ordinance

- The DVWS must achieve a 45% reduction compared to 2013 consumption under the approved CCWD Drought Management Ordinance
- Ordinance and conservation measures took effect May 1st, 2015
- Cost increase of 13% for untreated irrigation water ($0.50 per 1000 gallons)
- Water consumption in excess of 2013 use will cost double the regular charge

2015 Conservation Results

Monthly Water Usuage - Alloted and Actual for 2013 and projected for 2015

Final results - Water Conservation were met in 2015!

MONTH	2013 baseline per CCWD allotment/day	days	allotment /month	2015 GOAL 55% allotment or 45% conservation	actuals 2015	savings 45% conservation goal
JAN						
FEB						
MARCH						
APRIL	174171	30	5,225,130	**3,135,078**	2,669,676	465,402
MAY	306,493	31	9,501,283	**5,700,770**	5,715,258	-14,488
JUNE	348,496	30	10,454,880	**5,750,184**	5,752,145	-1,961
JULY	385079	31	11,937,449	**6,565,597**	6,576,673	-11,076
AUGUST	384985	31	11,934,535	**6,563,994**	6,584,334	-20,340
SEPT	320,246	30	9,607,380	**5,284,059**	5,238,336	45,723
OCT	225,232	31	6,982,192	**3,840,206**	3,768,772	71,434
NOV	81,133	30	2,433,990	**1,338,695**	1,294,743	43,952
DEC	5,914	31	183,334	**100,834**	68,022	32,812
TOTAL			**68,260,173**	**38,279,416**	**37,667,959**	**611,457**

April and May allotment was based on initial 40% conservation target/goal.

Drought Management Plan Rescinded for 2016

Certain Water Conservation Measures Retained Including -

* *No landscape watering between 9 a.m. and 5 p.m.*

* *No landscape watering during/up to 48 hours of measurable rainfall*

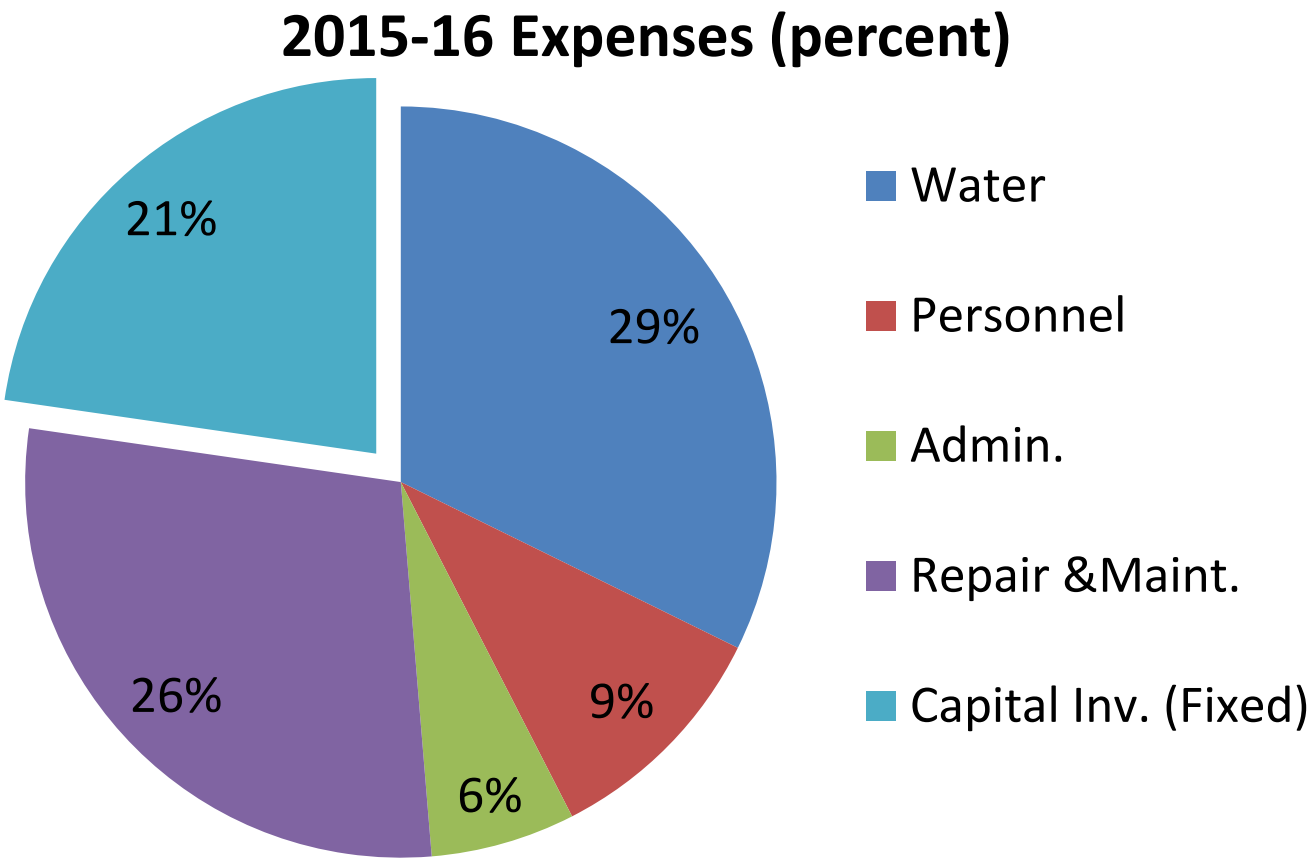
* *No use of water for hosing down sidewalks, driveways, patios*

Communication with DVWS customers via annual letter, calls to dispatcher at 925-383-2233 and via city's Notify Me app (http://www.ci.pleasant-hill.ca.us/)

2016 System Status

- System turned on in early April
- Several water main breaks required repair resulting in brief intermittent system shutdowns
- Extremely warm temperature in late May resulted in large algae bloom in canal leading to clogged intake screen at pumphouse and fluctuating system pressure
- Rebuilt pumphouse manifold and pressure tank performing well

2015-16 Expenses

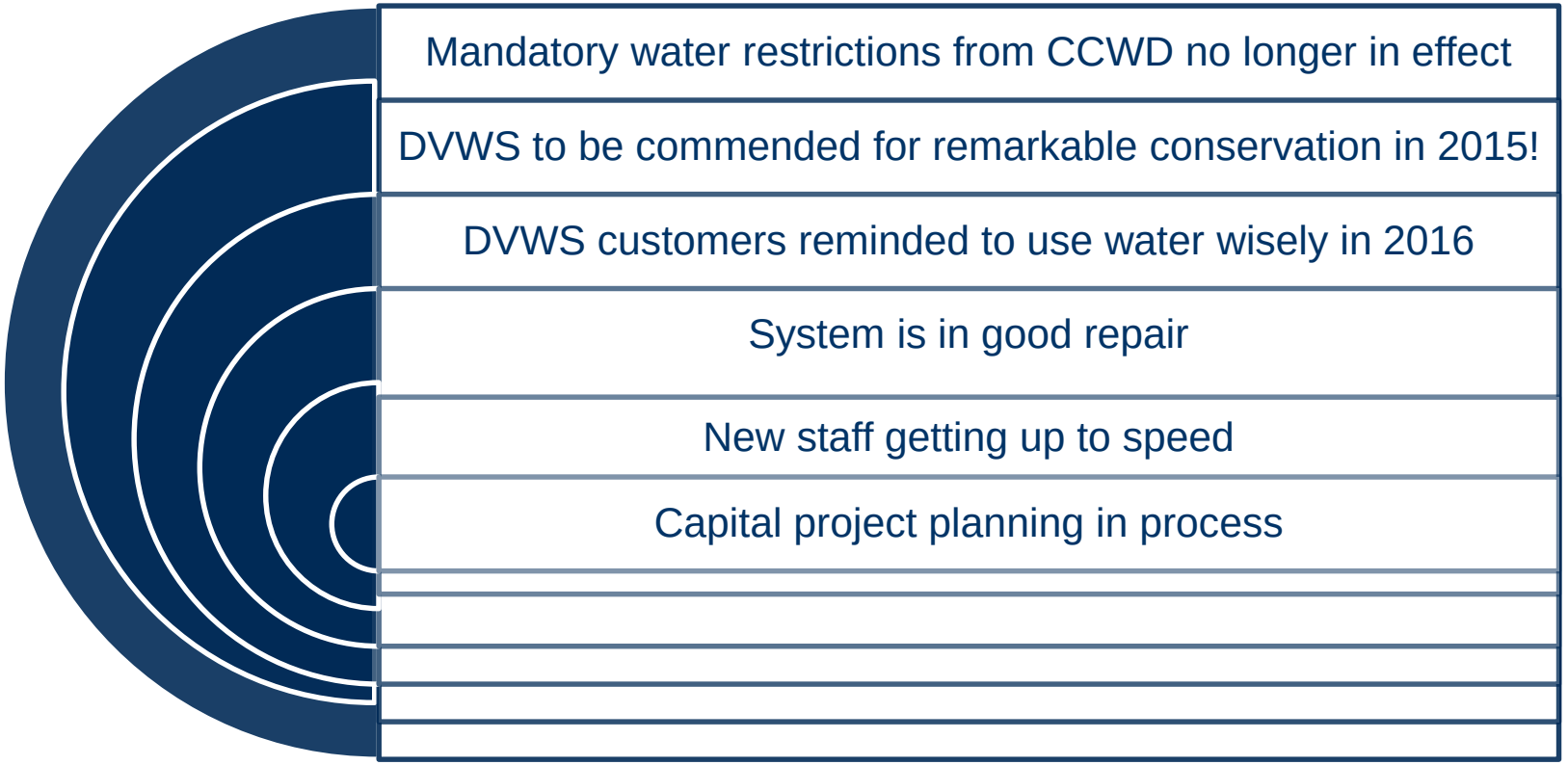


Capital Plan – Next two years
Design and begin construction

12-inch Main Replacement

($323,000 - DV Water Funds)

Summary


Mandatory water restrictions from CCWD no longer in effect
DVWS to be commended for remarkable conservation in 2015!
DVWS customers reminded to use water wisely in 2016
System is in good repair
New staff getting up to speed
Capital project planning in process