

SCV WATER – CONSERVATION PROGRAM

Update on Conservation Strategies



SCV Board of Directors
April 30, 2019
Item No. 7



STRATEGIC OVERVIEW

Milestones

- History of Water Conservation & Water Use Efficiency Planning
- Conservation & Water Use Efficiency Strategies
- Performance Overview
- Smart Practice & Adaptive Management Approaches
- The Road Ahead



HISTORY OF WATER CONSERVATION & WATER USE EFFICIENCY PLANNING

SCV WATER USE EFFICIENCY STRATEGIC PLAN (OVERVIEW)

Category	Strategic Plan V1	Strategic Plan V2
Year Completed	2007	2015
Conservation Target	10% Over 20 Years	20% by 2020 (SBx7-7)
Data Inputs	Quantitative & Qualitative (Internal & External)	Quantitative & Qualitative (Internal)
Costs & Benefits Analysis	Yes	Yes
Water Efficiency Measures	Budget-based Rates, Toilet Rebates, Smart Controllers, Clothes Washer Rebates, Training, Audits, Code	Budget-based Rates, Indoor & Outdoor Programs, Water Loss, Education & Engagement, Code
Outputs (Functional)	Strategic & Implementation Plan	Operating Plan, Demand Projections

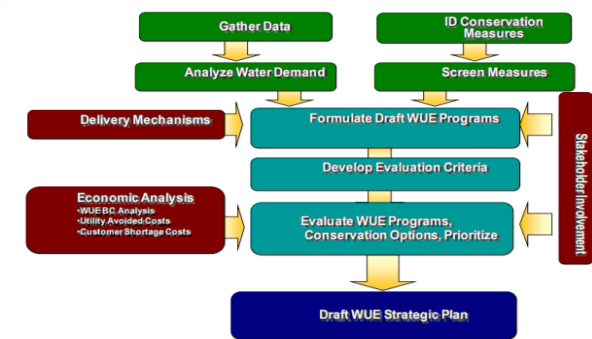
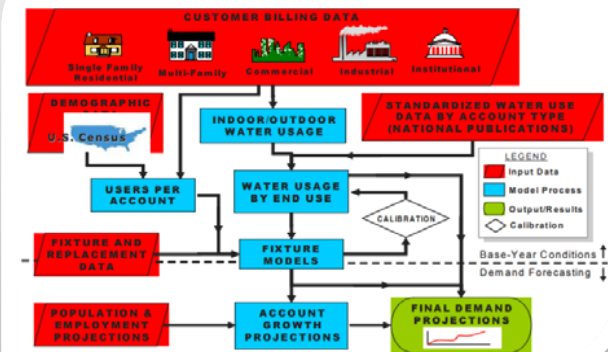


Figure 2.1 - WUE Strategic Plan Process

figure E-1 DSS Model Overview Used to Make Potable Water Demand Projections





**CONSERVATION &
WATER USE EFFICIENCY STRATEGY**

CONSERVATION STRATEGY

- MISSION
- VISION
- MANDATES
- VALUES
- OBJECTIVES



Mission –

To support the community's water conservation goals.

Vision –

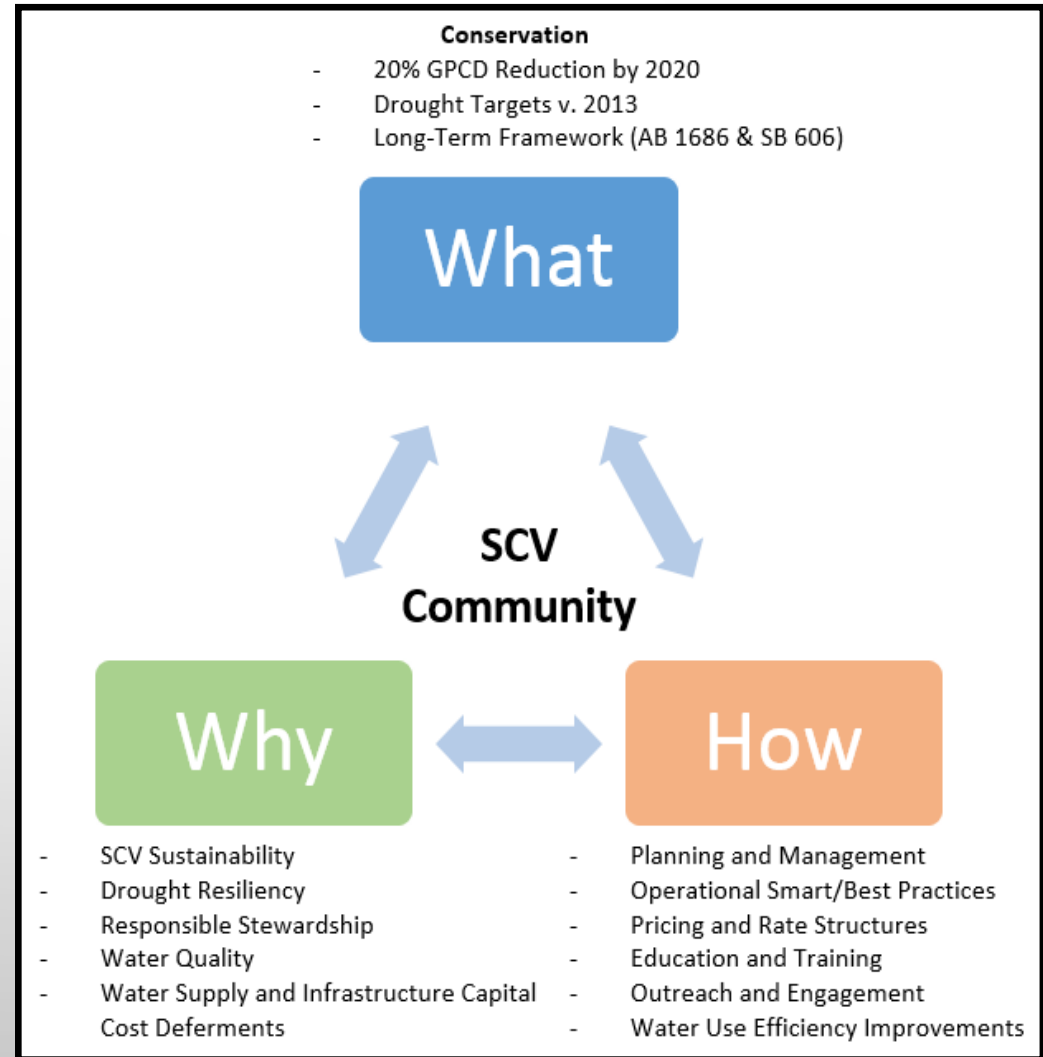
SCV Water envisions community-wide incorporation of sustainability practices which promote and facilitate our high quality of life, strong economic activity, in tandem with our commitment to excellence in water management and resource stewardship.

Mandates –

SBx7-7 20% by 2020, 25% Drought Reduction Targets (2014-2016), Conservation Framework (2023), Water Loss Reporting & Performance (SB555).

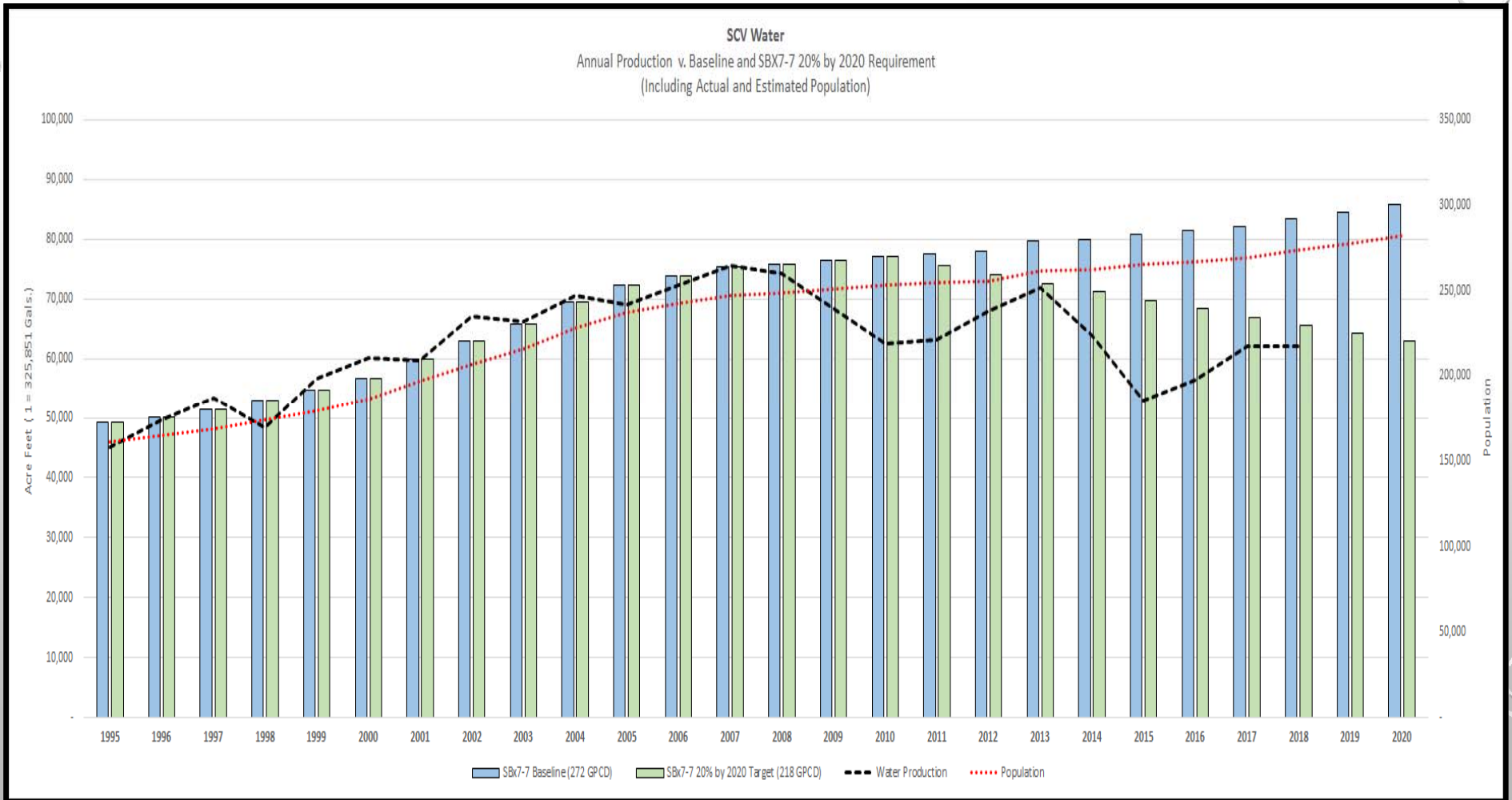
Values -

Water Efficiency, Customer Service, Smart Practices, Cost-Effectiveness, High-Performance, Engagement, Education & Training, Technical Expertise, Innovation, Management, Collaboration, Partnerships.

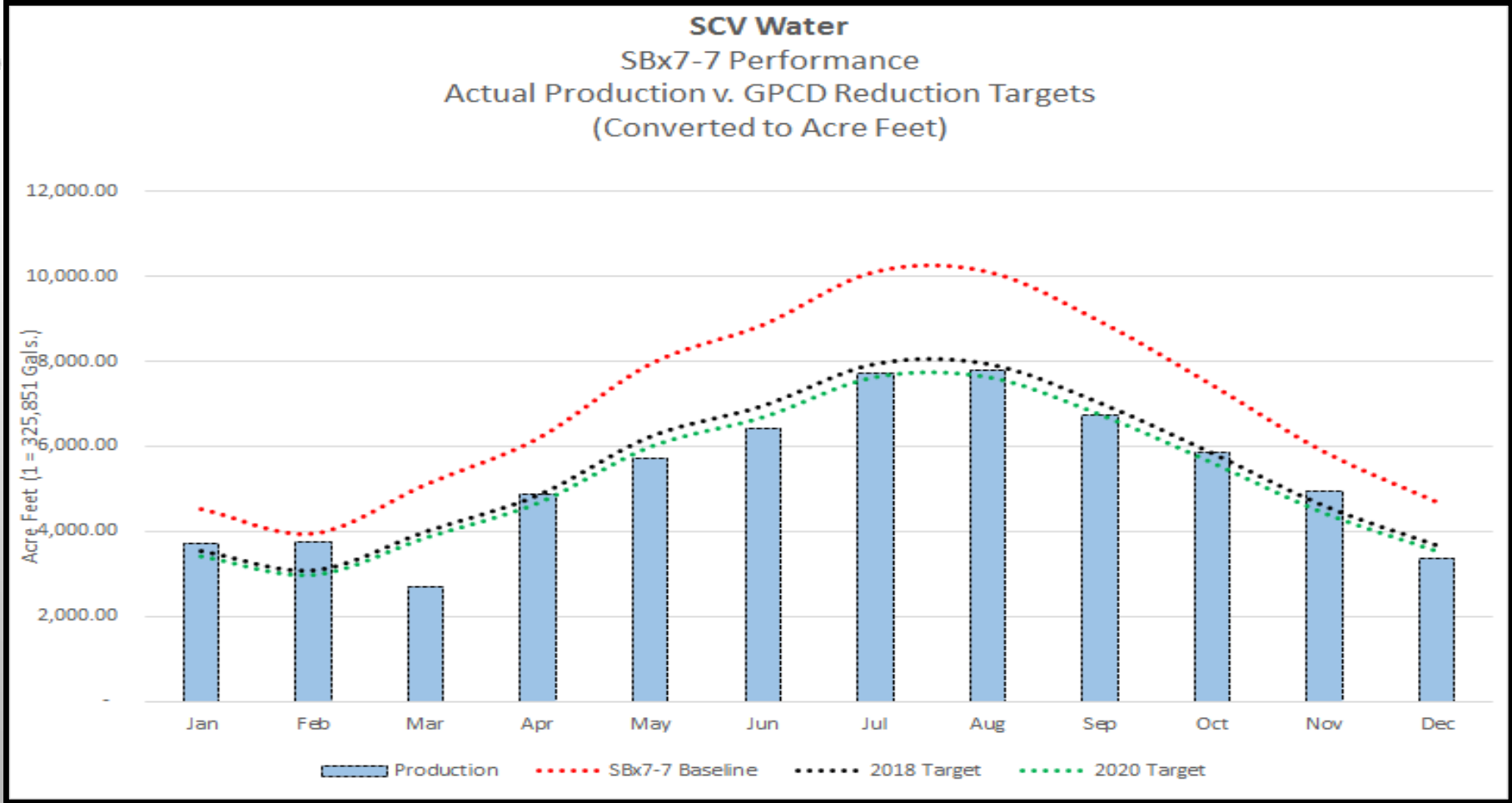


PERFORMANCE OVERVIEW

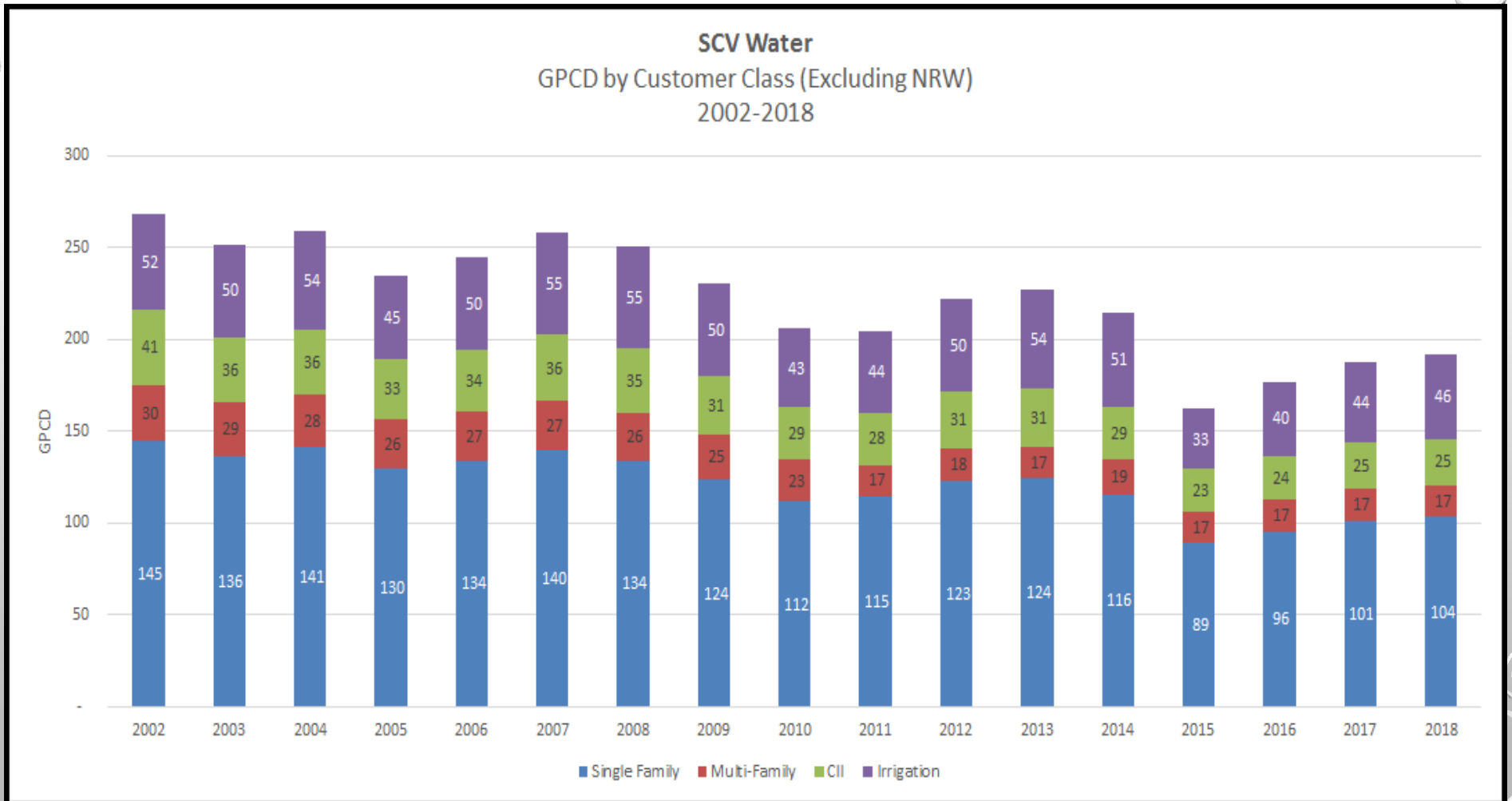
VALLEY-WIDE PERFORMANCE



VALLEY-WIDE PERFORMANCE

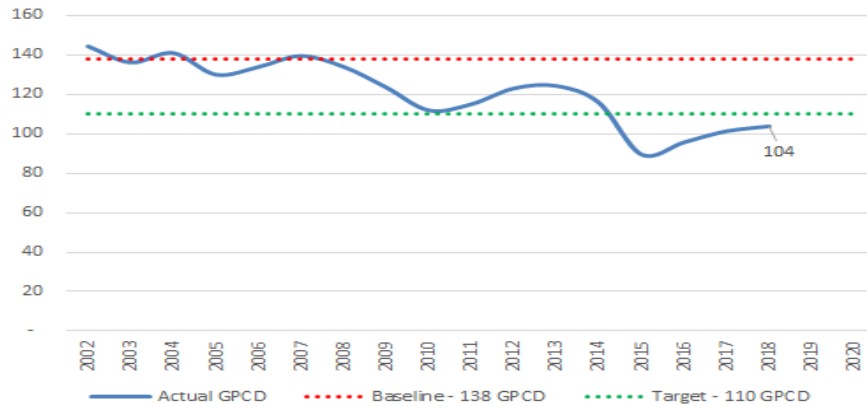


CUSTOMER CLASS PERFORMANCE

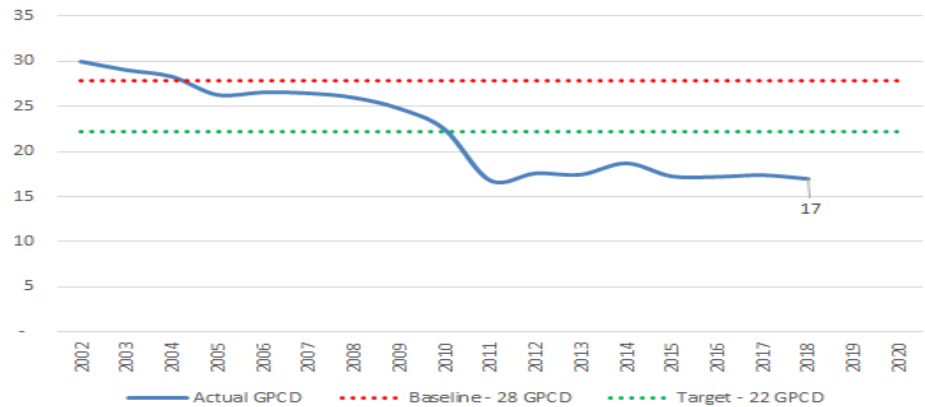


CUSTOMER CLASS PERFORMANCE

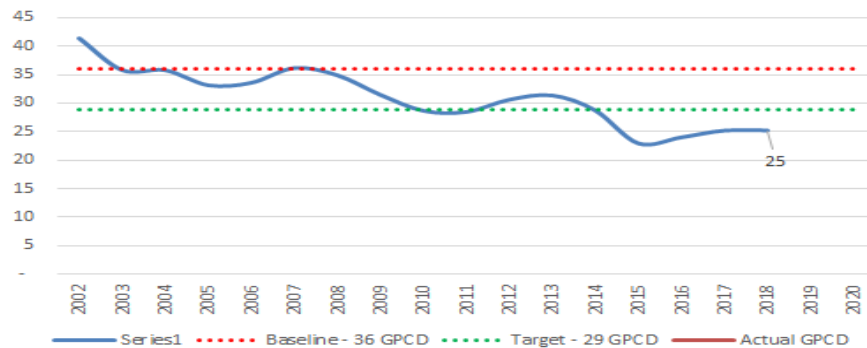
SCV Water
Single Family (GPCD)
Actual v. Baseline and Target (20% by 2020)



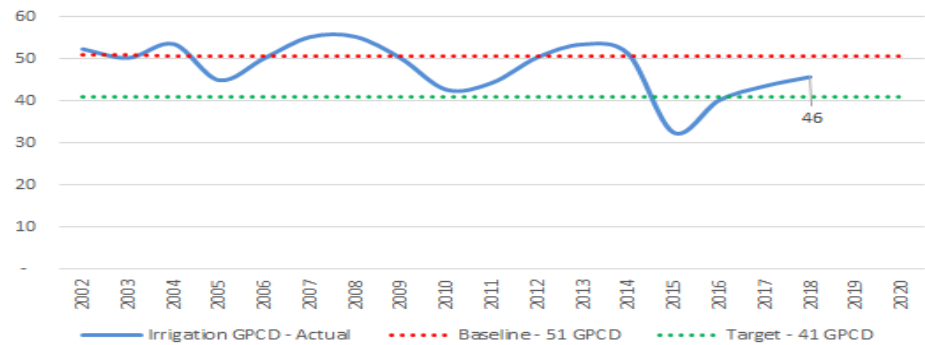
SCV Water
Multi-Family (GPCD)
Actual v. Baseline and Target (20% by 2020)



SCV Water
CII (GPCD)
Actual v. Baseline and Target (20% by 2020)



SCV Water
Irrigation (GPCD)
Actual v. Baseline and Target (20% by 2020)



PROGRAMMATIC PERFORMANCE

Program	Legacy	Drought (Peak)	Prior Year
Price	Decrease	Decrease	Decrease
Engagement	Increase	Decrease	Increase
Residential	Decrease	Decrease	Increase
CII	Increase	Increase	Increase
Landscape	Increase	Decrease	Increase
Enforcement	Neutral	Decrease	Neutral



**PROGRAM PRACTICE &
APPROACHES**

PROGRAM PRACTICE AND APPROACHES

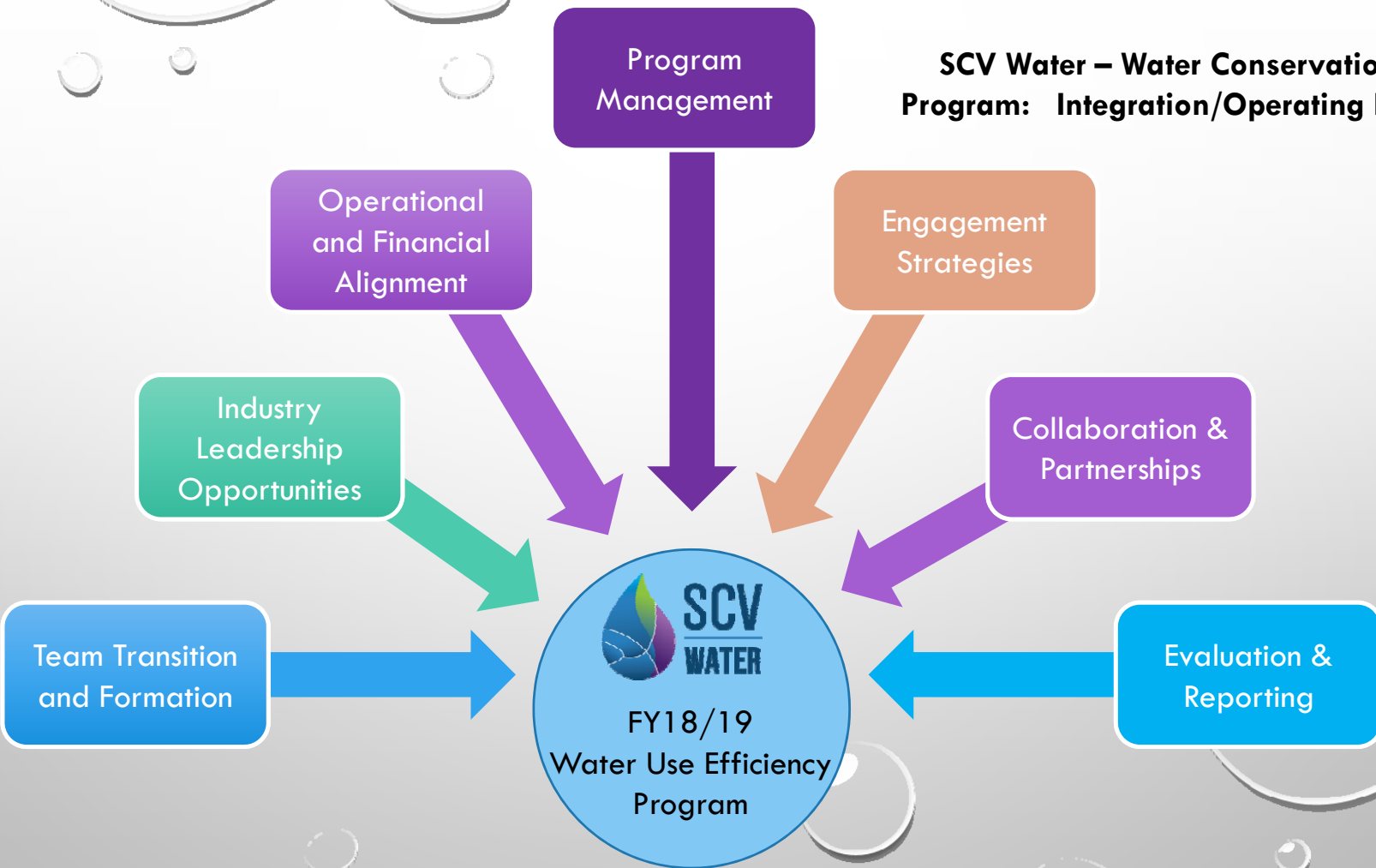
- LOGIC MODEL
- INTEGRATION
- OPERATIONS
- SMART PRACTICES
- EM & V



SCV Water - Conservation Department



**SCV Water – Water Conservation
Program: Integration/Operating Plan**



Water Conservation Program

Conservation Crew Workflow, Programmatic Activity, and Current Status
(As of **April 29, 2019**)

Regional

Pool Covers	School Retrofit	
Smart Controllers	Smart Controllers	Smart Controllers
Turf Conversion	Turf Conversion	Turf Conversion
Residential	CII	Large Landscape

Conservation Crew



Retail Division

Valencia	Newhall	Santa Clarita
CS Liaison	CS Liaison (I)	CS Liaison (I)
Efficiency Goals	Efficiency Goals	Efficiency Goals (III)
Surveys	Surveys (I/II)	Surveys (I/II)
WS Workshops (I)	WS Workshops (I)	WS Workshops (I)
Landscape Help	Landscape Help	Landscape Help (II)
Home Reports (III)	Home Reports (III)	Home Reports (III)
Use Notification	Use Notification (II)	Use Notification (II)
Waste Notice	Waste Notice	Waste Notice

Program Status Legend

Active
Partial
Inactive
Not Available

Project Schedule (ETA)

- I: 1-6 Months
- II: 6-12 Months
- III: > 12 Months



Water Conservation Program

Retail Division - Program Activity Timeline
(As of Q4 18/19)

Program Status Legend

Active

Partial

Inactive

Not Available

	Current	1-6 Months	6-12 Months	> 12 Months
Valencia	CS Liaison	WS Workshops (II)	Home Reports (III)	
	Efficiency Goals			
	Surveys			
	Landscape Help			
	Use Notification			
	Waste Notice			
Newhall	CS Liaison (I)	WS Workshops (II)	Use Notification (II)	
	Efficiency Goals		Home Reports (III)	
	Surveys (I/II)			
	Landscape Help			
	Waste Notice			
Santa Clarita	CS Liaison (I)	WS Workshops (II)	Efficiency Goals(III)	
	Surveys (I/II)		Home Reports (III)	
	Landscape Help (II)			
	Waste Notice			
	Use Notification (II)			



THE ROAD AHEAD

THE ROAD AHEAD

- UPDATE STRATEGIC PLAN
- SERVICE-CENTRIC PROGRAMS
- BUILD/ENHANCE CAPACITY
 - PREDICTIVE ANALYTICS
 - BEHAVIORAL ECONOMICS
 - PROGRAM EVALUATION
- LEARNING & ADAPTIVE MANAGEMENT



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