



## A plan was needed.

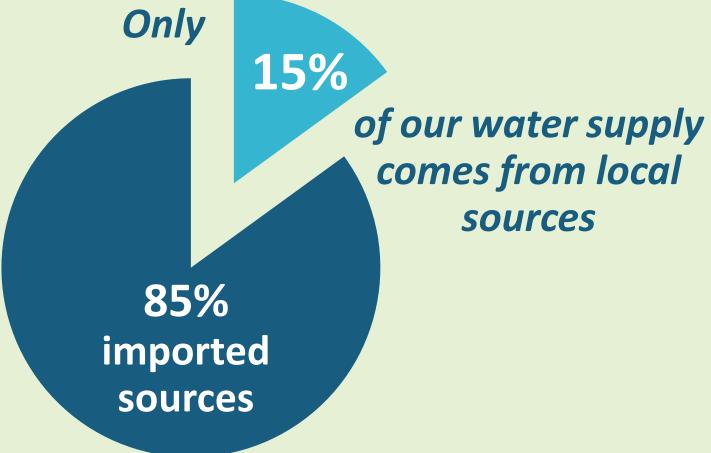
### н<u>ш</u>н CITY OPERATIONS Chula Vista's OPEN SPACE BUSINESSES RESIDENTS Water Stewardship Plan

# **A Unified Vision:**

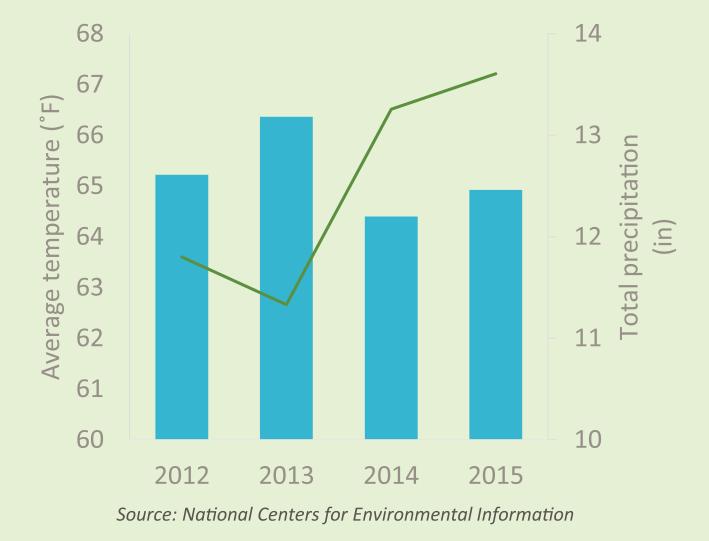
Through the development of the Water Stewardship Plan, the City worked with staff, our utility providers, and the community to establish a unified vision for water stewardship in Chula Vista.

The vision was formed by community members, utility providers, and City staff who provided thoughtful feedback. Several key themes emerged that helped formulate this vision:

The community of Chula Vista is a proven steward of water resources, where local residents, businesses, utility providers, and municipal staff are proactive, accountable and engaged in protecting water supplies, eliminating water waste, and embracing the region's natural landscape.



## The climate is getting hotter and drier.



- Accountability
- Elimination/waste Integrated approach
- Engagement • Cultural change
- Local landscape character
- Equity • Community

# Water Consumption:

Following a spike between 2012 to 2013, water use by the overall Chula Vista community remained relatively flat from 2013 to 2015. During this timeframe:

- The city's population grew by more than 15,000 people (nearly 6%)
- The annual average temperature increased by 3°
- California had one of the worst, multi-year droughts in state history

These factors impeded the community's ability to substantially cut water use, while demonstrating the importance of advancing water stewardship during a time of population growth and a changing climate.

# **Idea Boards:**

Interactive boards were utilized to gather ideas about how to conserve in four sectors:

 Government Operations • Community & Open Spaces

 Residential Commercial

INTRODUCTION

**CITY OF CHULA VISTA** 

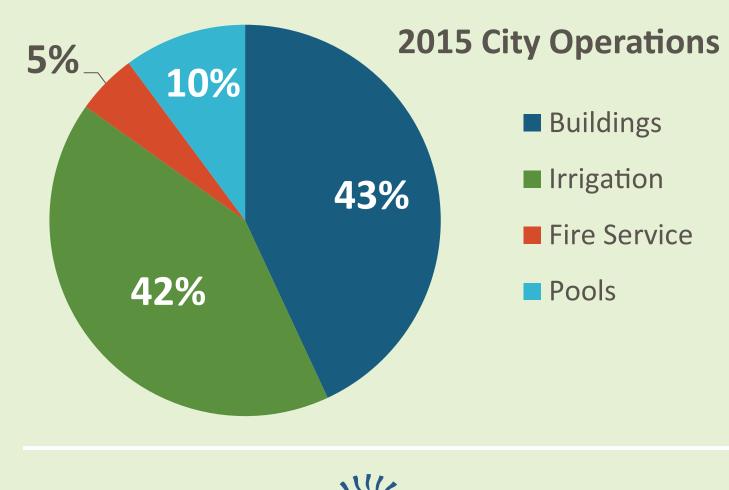
СНОГ	AVISTA	CITY OF CHULA VISTA WATER CONSERVATION & REUSE FRAMEWORK UDEA BOARD										
		Government Operations			Community & Open Spaces			Residential		Commercial		
EXISTING PROGRAMS	Integrated Water Resource Management Plan	Irrigation system leak detection program	Develop local water supply (desalination, groundwater)	BMP Design Manual and Stormwater Ordinance	Reclaimed water ("purple pipe") for irrigation		Subdivision Manual to keep stormwater onsite			Water Conservation Ordinance	BMP Design Manual and Stormwater Ordinance	
NEW IDEAS & BEST PRACTICES	Promote stormwater capture and reuse	Reduce excessive pressure in distribution systems	Ensure all water uses are metered	Promote stormwater capture and reuse	Reduce excessive pressure in distribution systems	Ensure all water uses are metered	Promote stormwater capture and reuse	Reduce excessive pressure in distribution systems	Ensure all water users are metered	Promote stormwater capture and reuse	Reduce excessive pressure in distribution systems	Ensure al water user are metere
NEW IL	Leak audits of municipal water infrastructure	Create a groundwater recharge facility	Create an urban runoff recycling facility	Require hardscape to be permeable	Enhance water retention in park facilities	Daylight creeks and streams	Require hardscape to be permeable	Adopt low- impact development standards		Require hardscape to be permeable	Distribute reclaimed water for non- potable processes	Treat and reuse wastewate on site

#### (million gallons) 8000 6000 4000 2000 0 2012 2013 2014 2015

## Water Use:



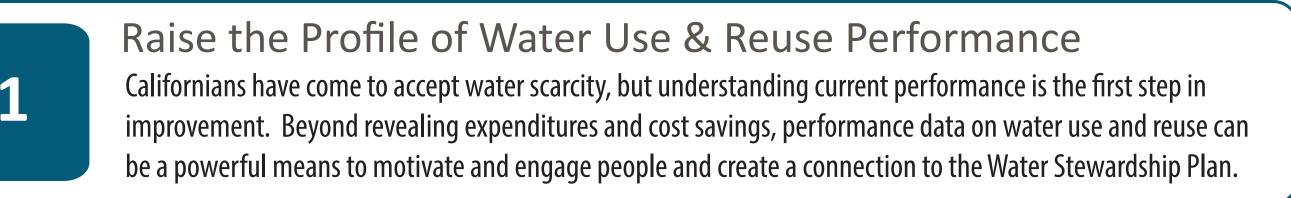
## **Total Potable Water Consumption:**



# **Actions:**

2

3



Promote & Expand Water Capture & Reuse With an annual rainfall of approximately 10 inches, it is imperative that water supplies and resources diversify to sustain community and lifestyle. Working with the community to develop reuse opportunities is crucial.

#### Improve Water Efficiency & Reuse Capacity

Improving water efficiency and reuse capacity within the built environment (existing buildings and facilities) is a key action, results in cost savings, and conserves precious water supplies for the community.

#### Encourage Water Efficient Landscape Decisions

Outdoor irrigation accounts for approximately 60% of overal water use in homes. With the help from the Otay Water District and Sweetwater Authority, water conservation strategies, monitoring, and efficient landscaping will help reduce water waste.

#### Promote Green Infrastructure & Low-Impact Development



VISION & GOALS

CITY OF CHULA VIST



This plan was made possible through a grant from The San Diego Foundation and the Bloomberg Award for Partners for Places, a project of the Funders' Network for Smart Growth and Livable Communities. Visit www.sdfoundation.org and www.bloomberg.org for more information.

Promoting green infrastructure is central to the Plan and will help facilitate the City's ability to expance rainwater reuse and groundwater use opportunities. It also utilizes natural processes to enhance water quality



