

Update on the 2020 Urban Water Management Plan

April 6, 2021

Board of Public Utilities

Water Conservation Sub-committee

Presented by Colin Close

Sr Water Resources Planner



OUR FUTURE IN EVERY DRÖP



Santa Rosa's UWMP

Chapter 1 – Introduction

Chapter 2 – Plan Preparation

Chapter 3 – System Description

Chapter 4 – Water Use

Chapter 5 - Compliance with Conservation Target

Chapter 6 – Water Supplies

Chapter 7 – Water Service Reliability and DRA

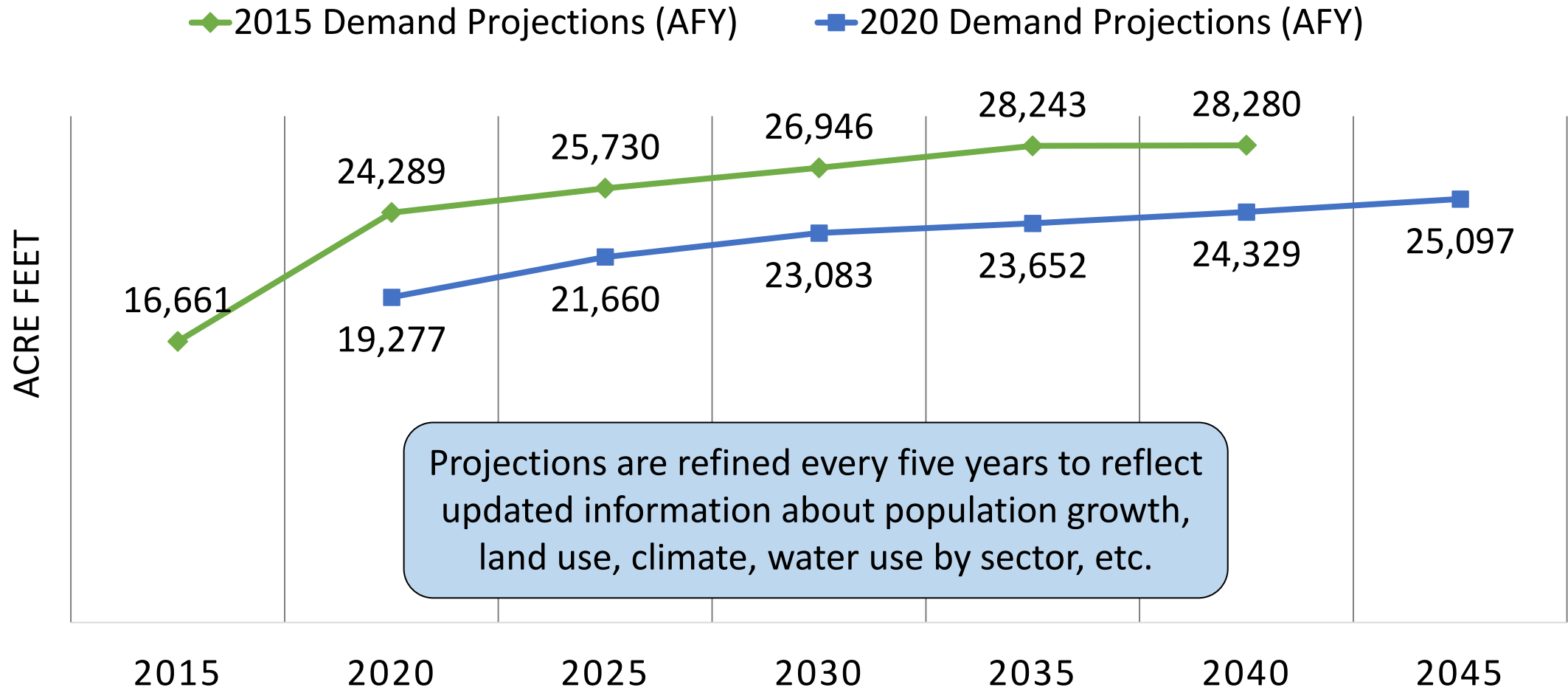
Chapter 8 – Water Shortage & Contingency Planning

Chapter 9 – Demand Management Measures

Chapter 10 – Plan Adoption, Submittal, & Implementation

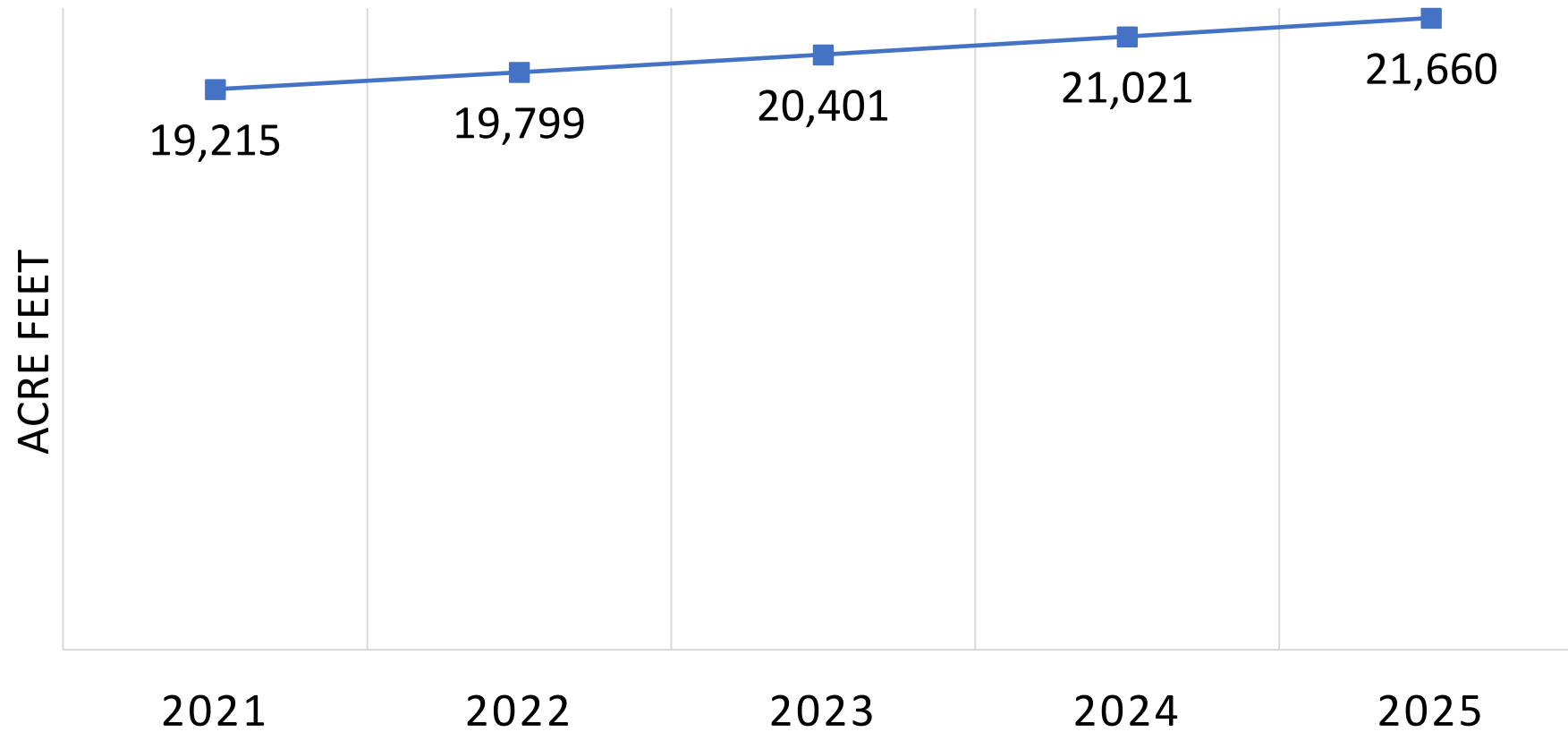
Ch 4 Water Use

Demand Projections: 2015 vs. 2020



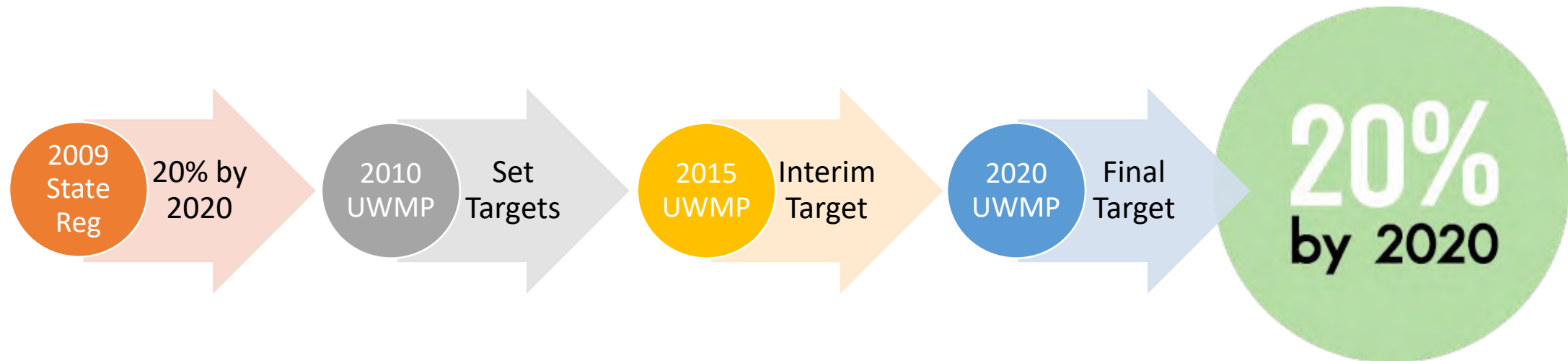
Ch 4 Water Use

2021-2025 Estimated Demand (Drought Risk Assessment)

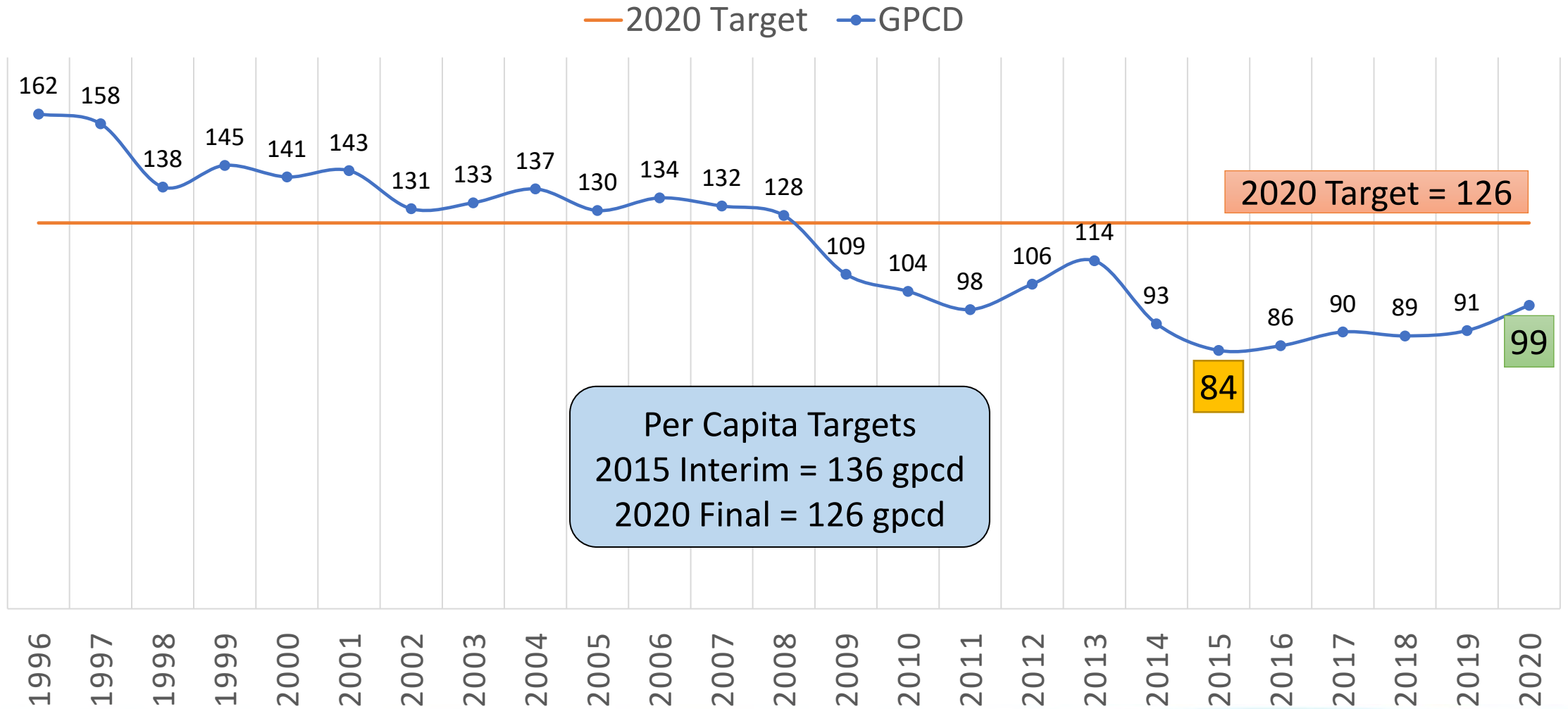


Ch 5 Compliance with Targets

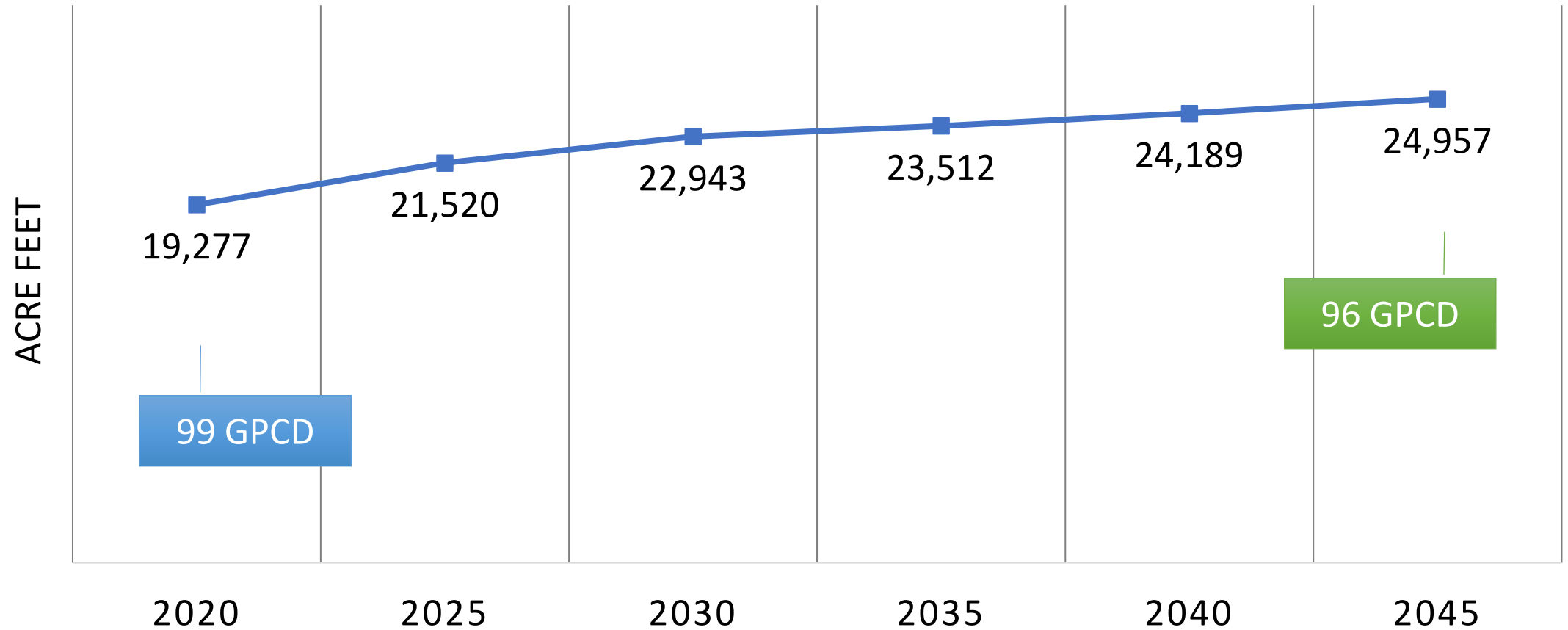
2009 Water Conservation Act (SB X7-7)




Ch 5 Compliance with SB X7-7 Targets



2045 GPCD projection^(a)



(a) SB X7-7 does not include recycled water in the GPCD calculation



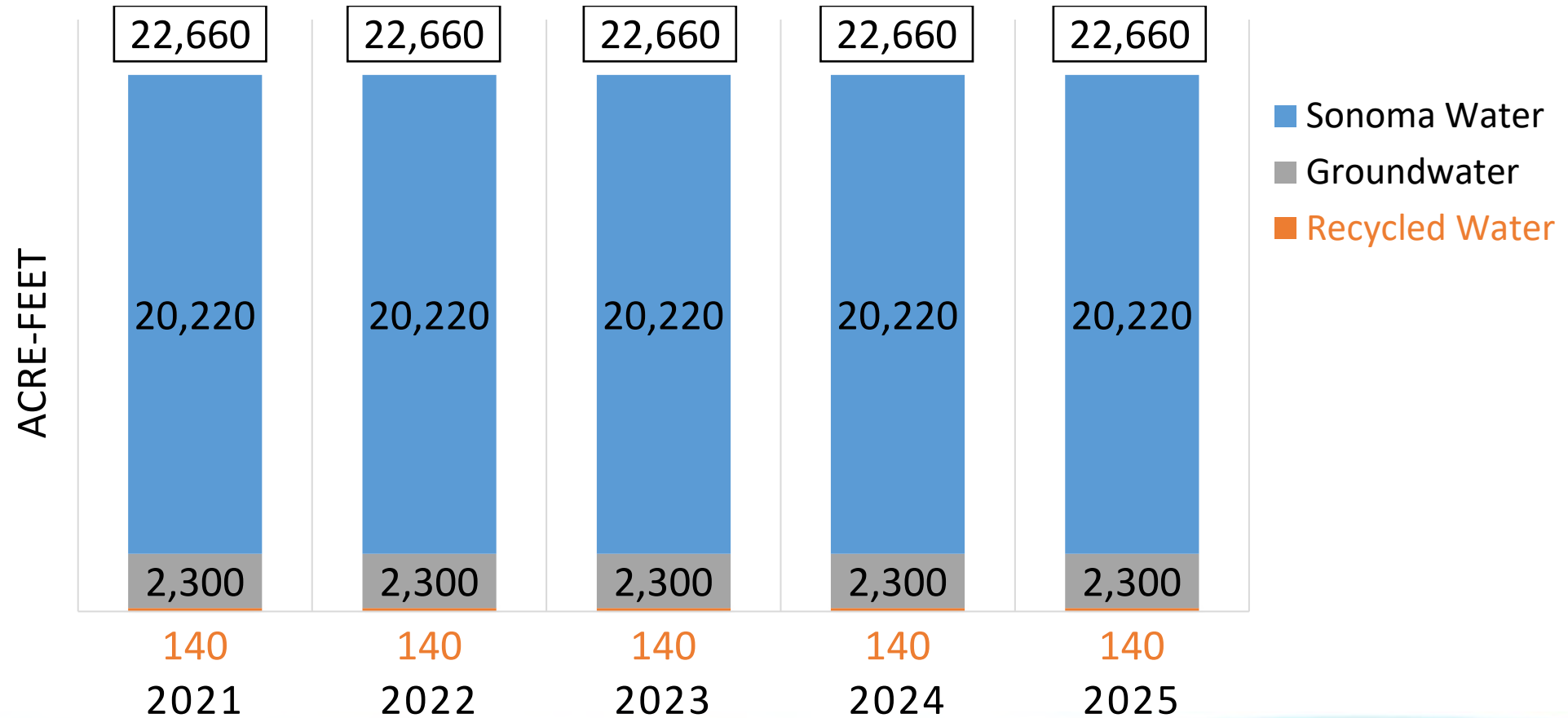
Ch 6 Water Supplies 2025-2045

29,100 AFY	Sonoma Water
2,300 AFY	City Wells (Farmers Ln)
140 AFY	Regional Recycled Water
<hr/>	
31,540 AFY	Total

AFY = acre-feet per year

Ch 6 Water Supplies

2021-2025 Dry Conditions (Drought Risk Assessment)



Ch 7 Water Service Reliability & Drought Risk Assessment

Water Service Reliability out to 2045

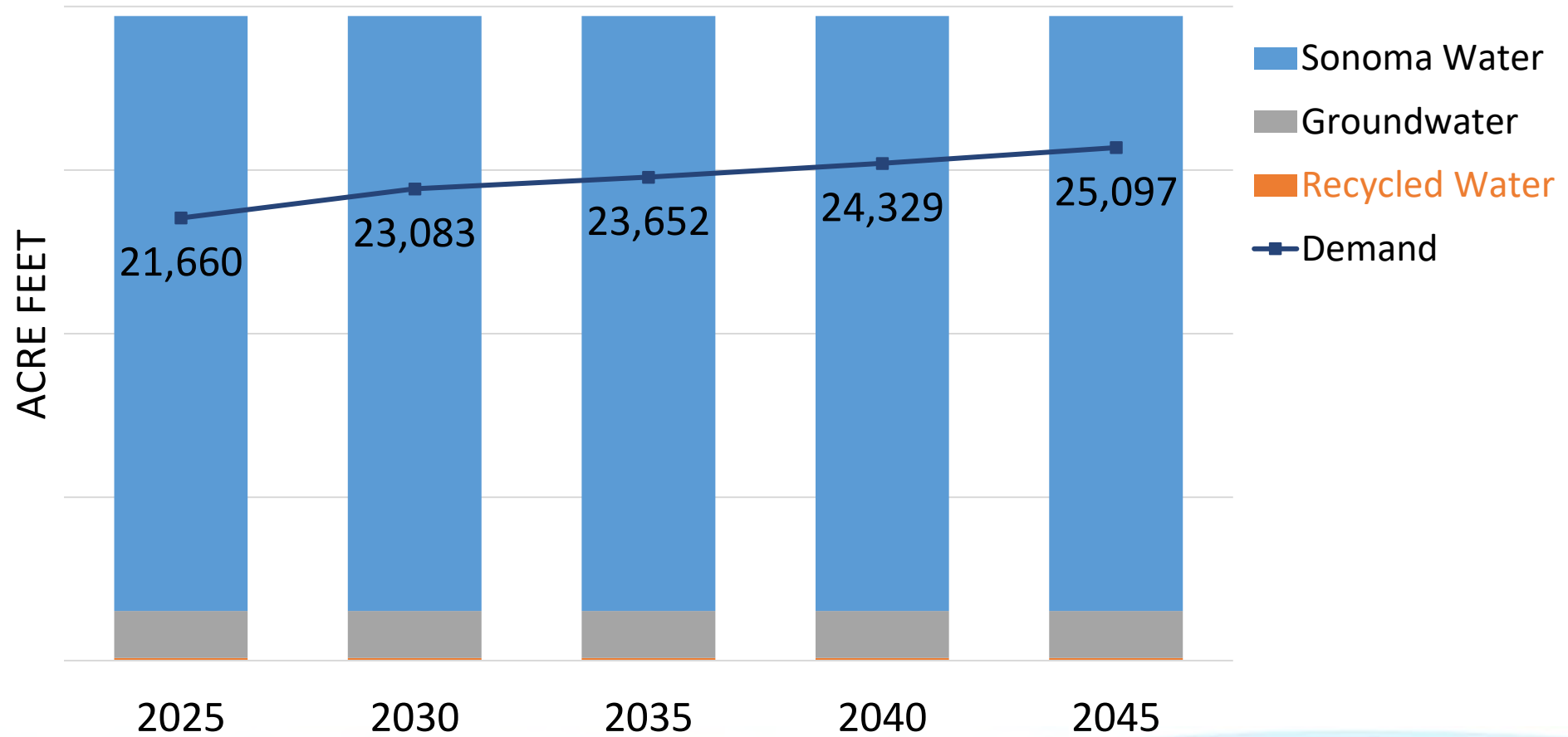
- Normal water years
- Single-dry year
- Dry five-year periods

Drought Risk Assessment for 2021-2025

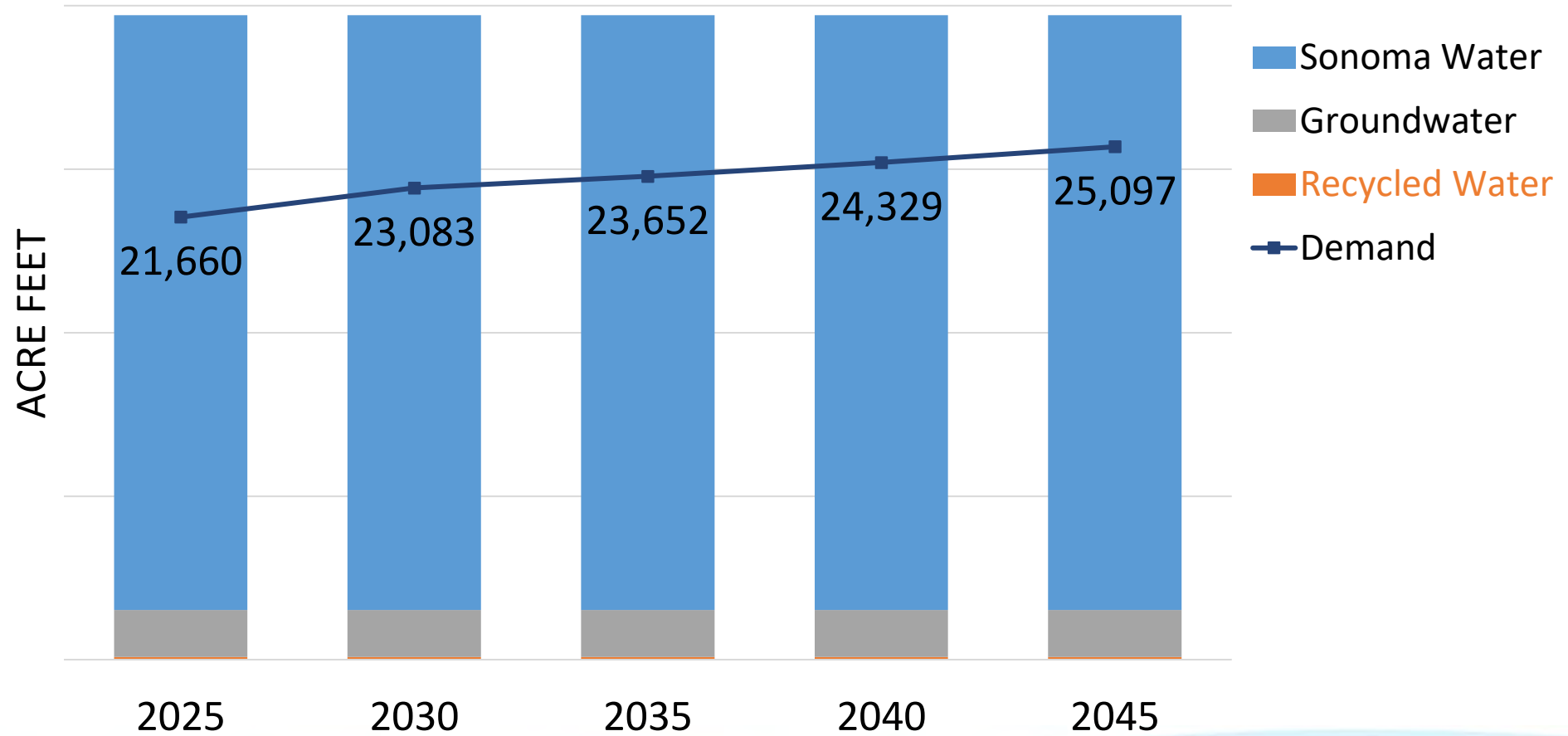
- Assume normal demand
- Hydrology like driest 5-yr period



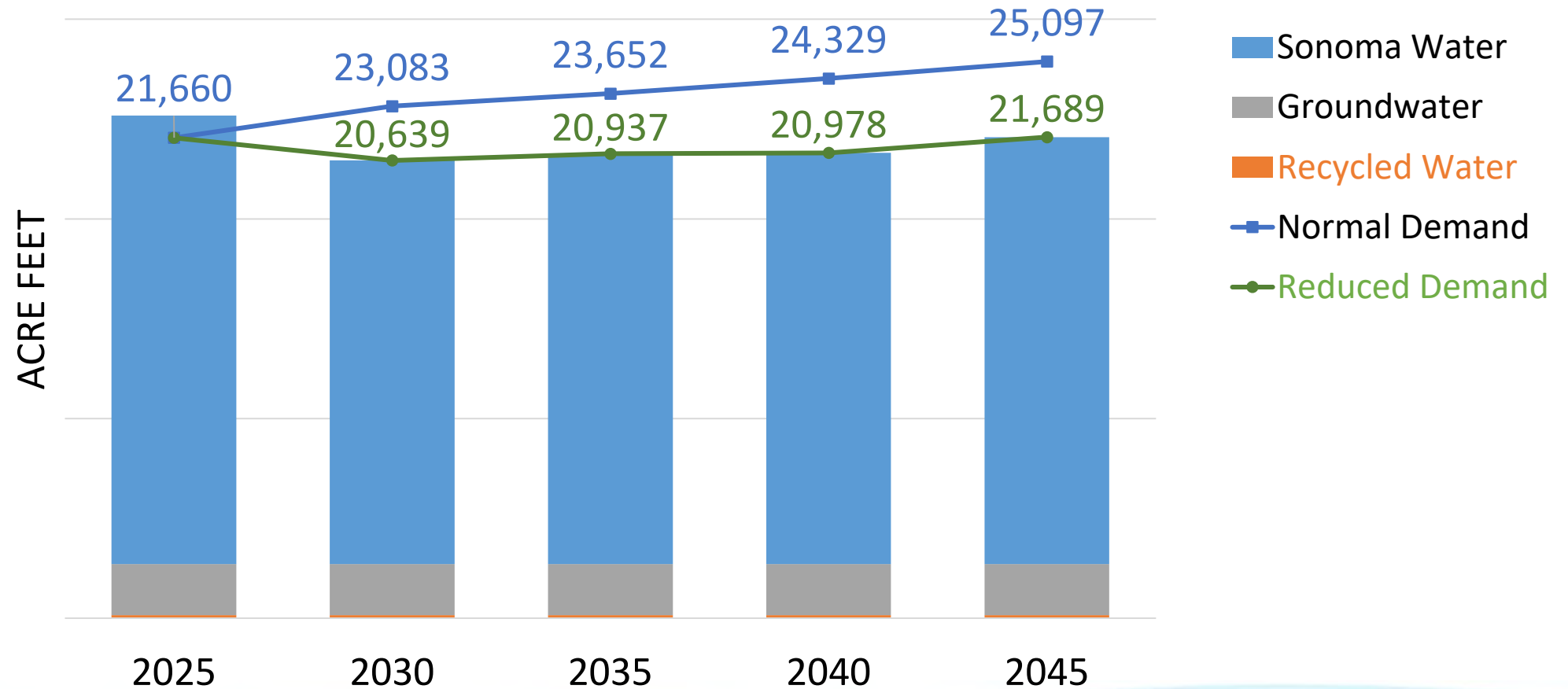
Ch 7 Water Service Reliability 2025-2045 Normal Year



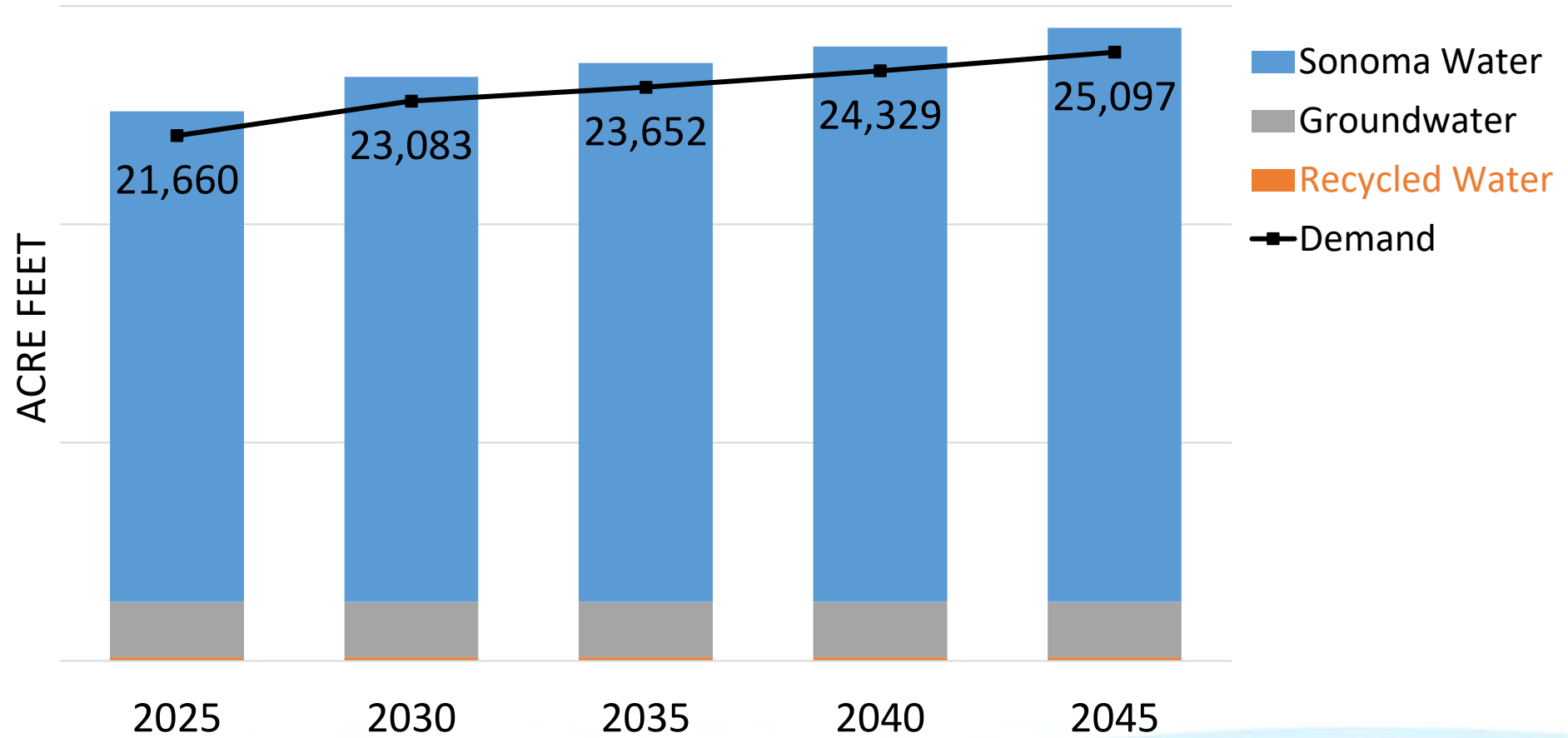
Ch 7 Water Service Reliability 2025-2045 Normal Year



Ch 7 Water Service Reliability 2025-2045 Single-Dry Year

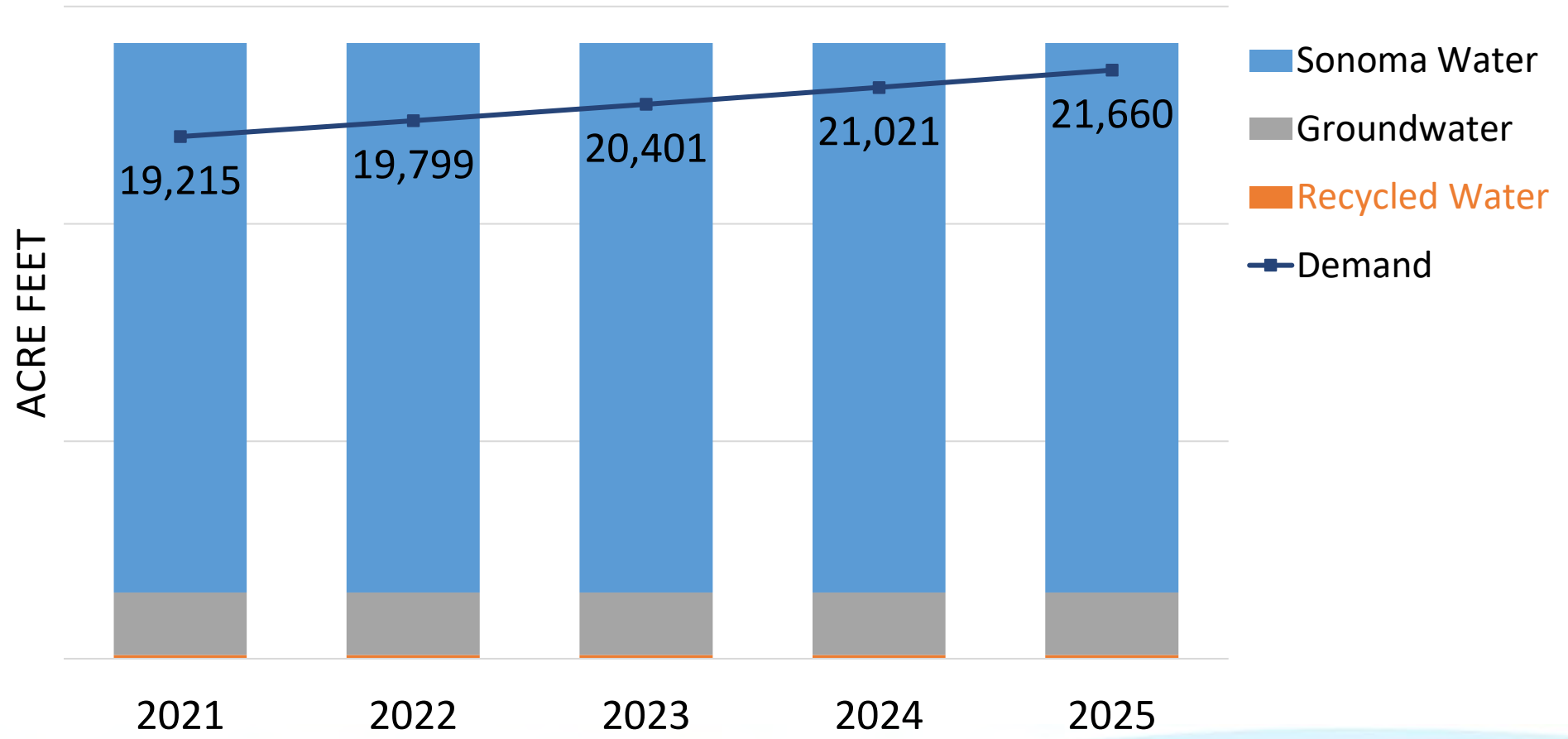


Ch 7 Water Service Reliability 2025-2045 Dry Five-Year Period



Ch 7 Water Service Reliability

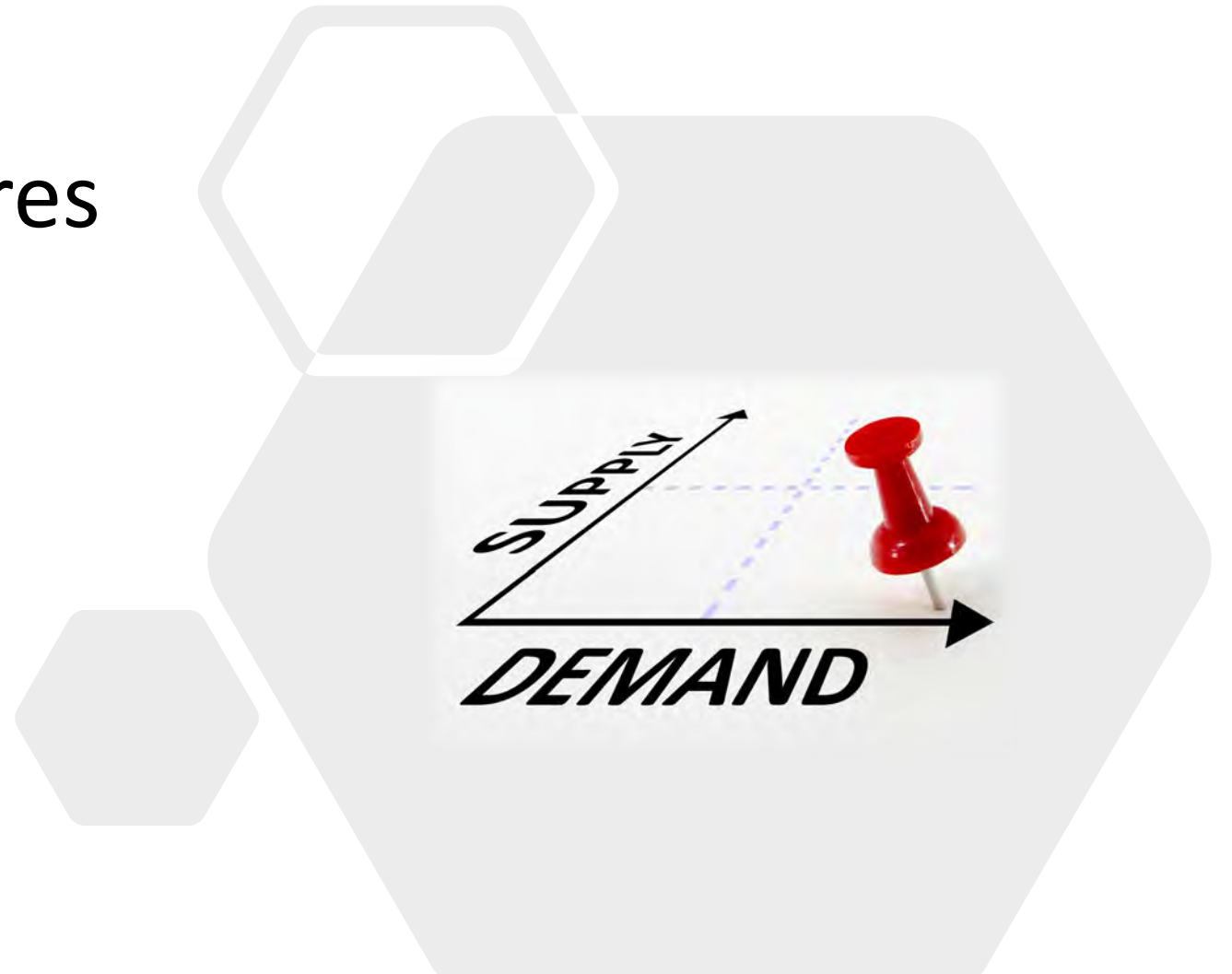
2021-2025 Drought Risk Assessment



Ch 9 Demand Management Measures

Ongoing efforts to lower demand

- Past five years
- Next five years
- New state targets



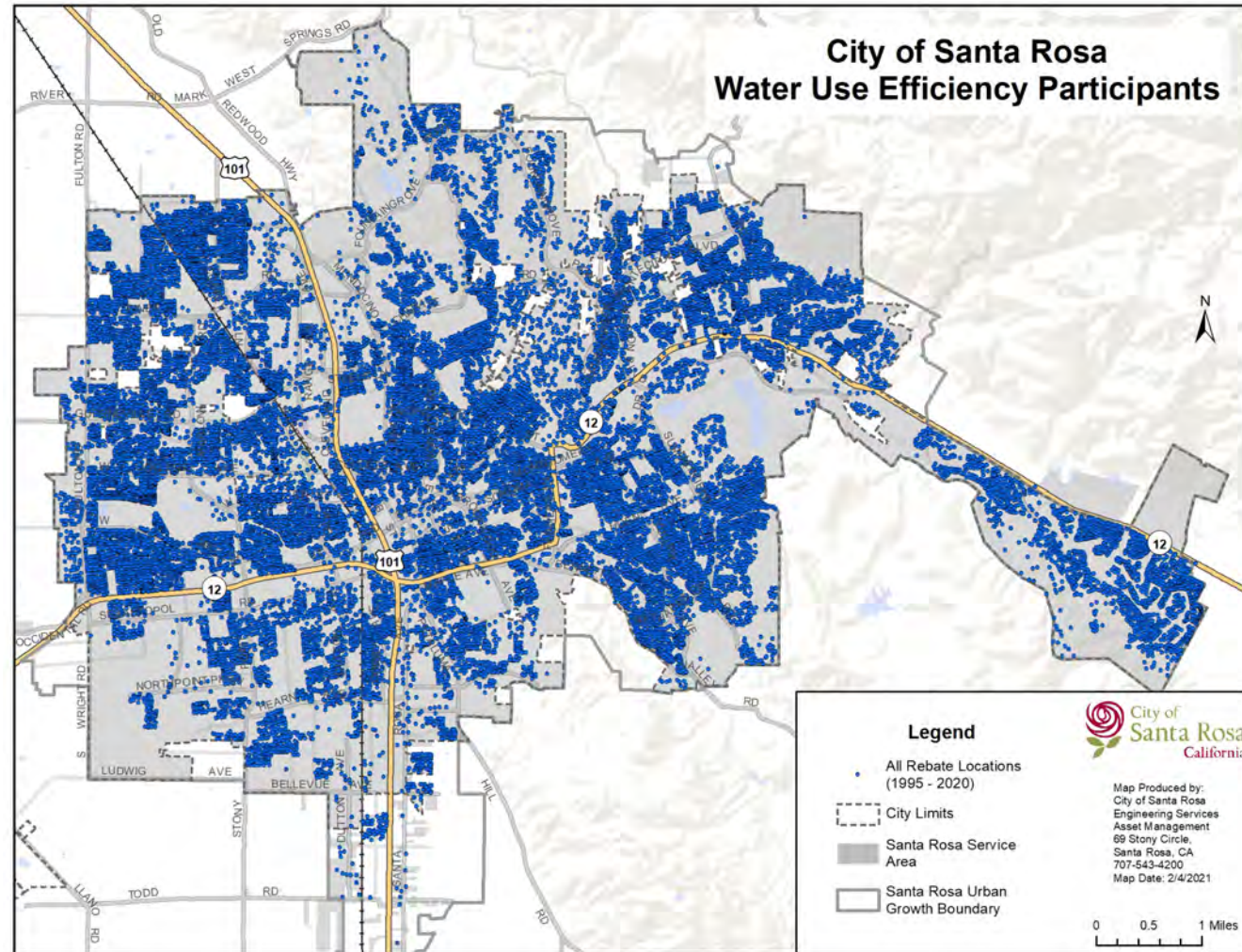
Ch 9 Demand Management Measures

- Water waste prevention ordinance
- Metering
- Conservation pricing
- Public outreach & education
- Assessing and minimizing water loss
- Water conservation program coordination and staffing support

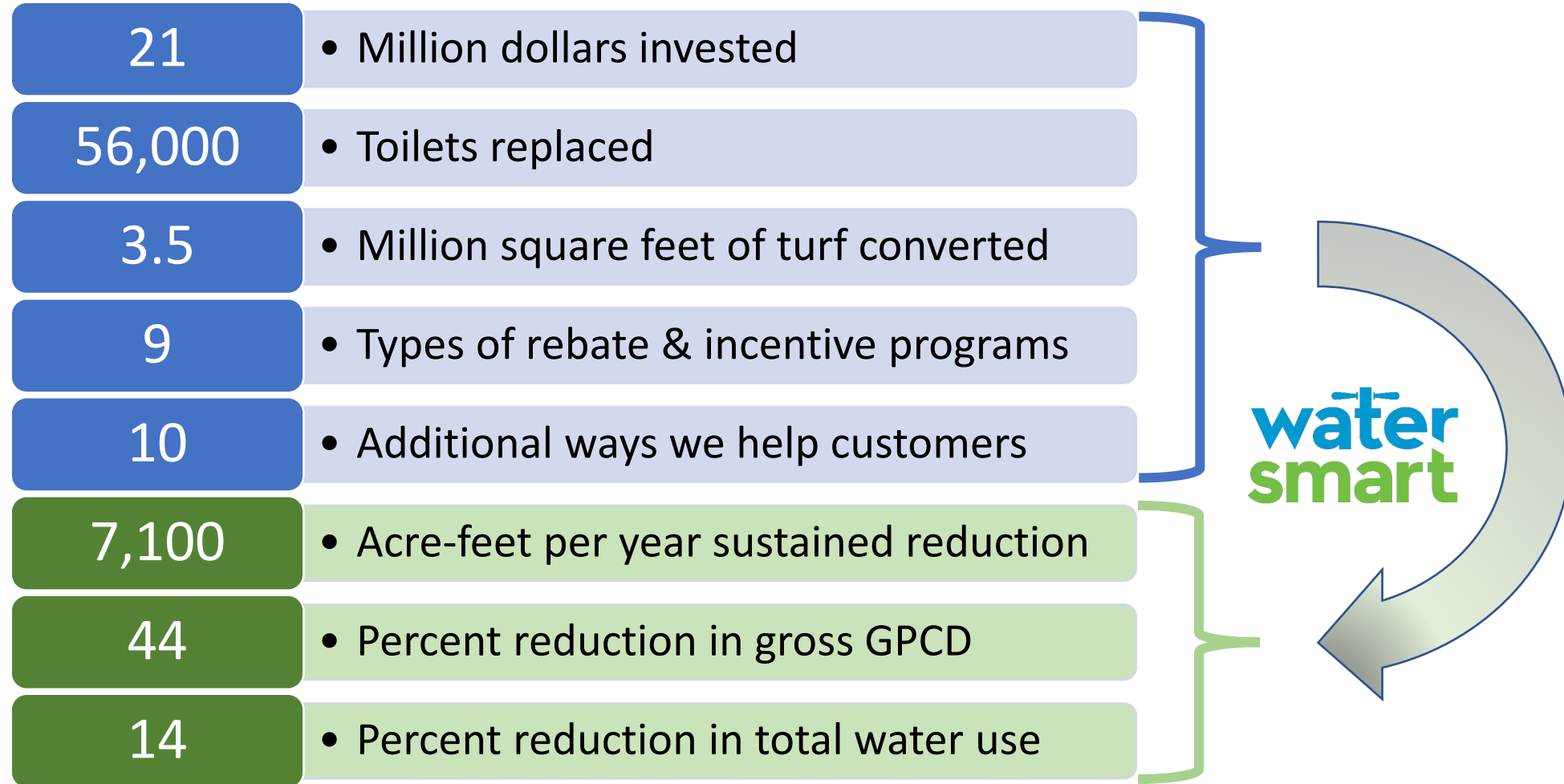
The logo for 'water smart' is displayed within a large, light blue circular graphic that has a splatter-like, water-droplet effect around its perimeter. The word 'water' is written in a bold, blue, lowercase sans-serif font, and the word 'smart' is written in a bold, green, lowercase sans-serif font directly below it.

water
smart

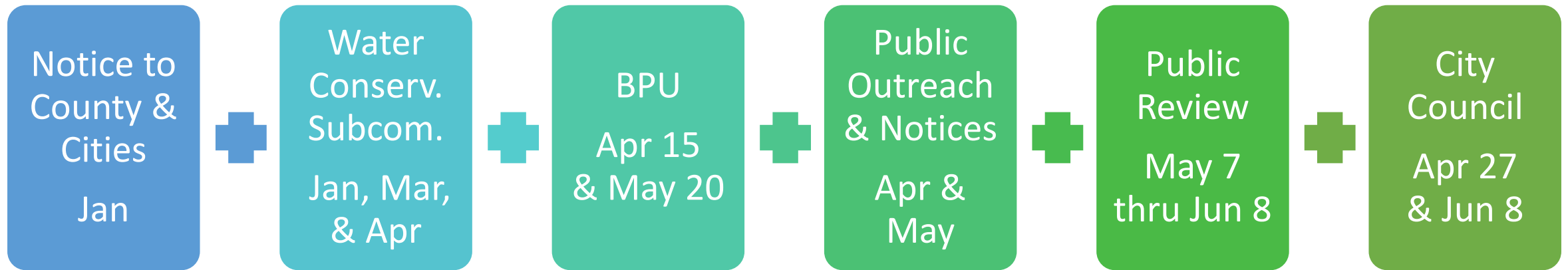
Ch 9 Demand Management Measures



30 years of conservation staff and programs



UWMP and WSCP Public Participation



srcity.org/UWMP

Planning for the future . . .



The City of Santa Rosa is preparing our 2020 Urban Water Management Plan (UWMP) and 2020 Water Shortage Contingency Plan (WSCP).

The UWMP details our community's current and future water supplies and water demands through year 2045.

The WSCP provides our response plan for mild to severe water shortages.

Both documents will be available for public comment for 30 days, beginning approximately May 8, 2021. A public hearing is tentatively scheduled for the June 8, 2021 City Council meeting.

For additional information, including how you can participate in the process, please visit . . .

srcity.org/uwmp

OUR FUTURE IN EVERY DRÖP

Planificación para el futuro . . .



La Ciudad de Santa Rosa está preparando su Plan de Manejo de Agua Urbana (UWMP por sus siglas en inglés) y el Plan de Contingencia por Escasez de Agua (WSCP por sus siglas en inglés) para el año 2020.

El UWMP detalla los suministros de agua actuales y futuros de nuestra comunidad y las demandas de agua hasta el año 2045.

El Plan de Contingencia por Escasez de Agua (WSCP) proporciona nuestro plan de respuesta en caso de escasez de agua desde leve a grave.

Ambos documentos estarán disponibles para el comentario público durante 30 días, comenzando aproximadamente el 8 de mayo de 2021. Una audiencia pública está programada tentativamente para la reunión del Consejo de la Ciudad del 8 de junio de 2021.

Para obtener información adicional, incluyendo cómo puede participar en el proceso, por favor visite . . .

srcity.org/uwmp

NUESTRO FUTURO EN CADA GÖTA

Next Steps

- Apr 15 BPU: Study Session on UWMP & WSCP
- Apr 27 City Council: Public Hearing & Consideration of water rates (incl. Water Shortage Charge)
- May 4 City Council: Study Session on UWMP & WSCP
- May 7 Publish draft UWMP & WSCP for public review and comment (30 days)
- May 20 BPU: Consideration of UWMP & WSCP
- Jun 8 City Council: Public Hearing & Consideration of UWMP & WSCP
- Jul 1 State submittal deadline



QUESTIONS?