

Water & Recycled Water Supply Update

City Council Meeting
January 12, 2021

Jennifer Burke – Water Director

Peter Martin – Deputy Director Water Resources

Emma Walton – Deputy Director Water Reuse



OUR FUTURE IN EVERY DRÖP

Our regions water supply

- Surface Water
 - Sonoma County Water Agency
- Water Conservation
- Local Groundwater
- Recycled water
 - Irrigation



Russian River System

- Potter Valley Project, Lake Mendocino, Russian River
- Lake Sonoma, Dry Creek
- Diversion, storage and minimum instream flows governed by Decision 1610



Russian River Water Supply

- Instream flows based on calculated cumulative inflow into Lake Pillsbury
 - October 1 to the first day of each month from January to June
- Considered Normal unless Dry or Critical Dry conditions exist
 - Currently Normal conditions
- Lake Mendocino
 - 2019-20 Water Year – 3rd driest on record
 - 2020-21 Water Year – Below average rainfall
- Critically low storage levels projected for Lake Mendocino without intervention



Temporary Urgency Change Petition

- ***Potter Valley Project Operations***
 - PG&E has notified Sonoma Water that they intend to reduce flows into upper Russian River watershed
- ***Strategy - Preserve Lake Mendocino Storage***
 - Meet water demands
 - Releases for fall run of fish in Russian River
- ***Sonoma Water will file a new TUCP in January 2021***
 - Minimum instream flow requirements for Russian River would be established using an index based on water storage in Lake Mendocino
 - Current index is based on cumulative inflow into Lake Pillsbury
 - Would adjust to “dry water supply conditions” scenario

Water Year Rainfall Totals to Date

Location	Rainfall Oct 1 – January 4, 2020	Percentage of Normal*
Ukiah	4.82"	32%
Santa Rosa	5.34"	36%

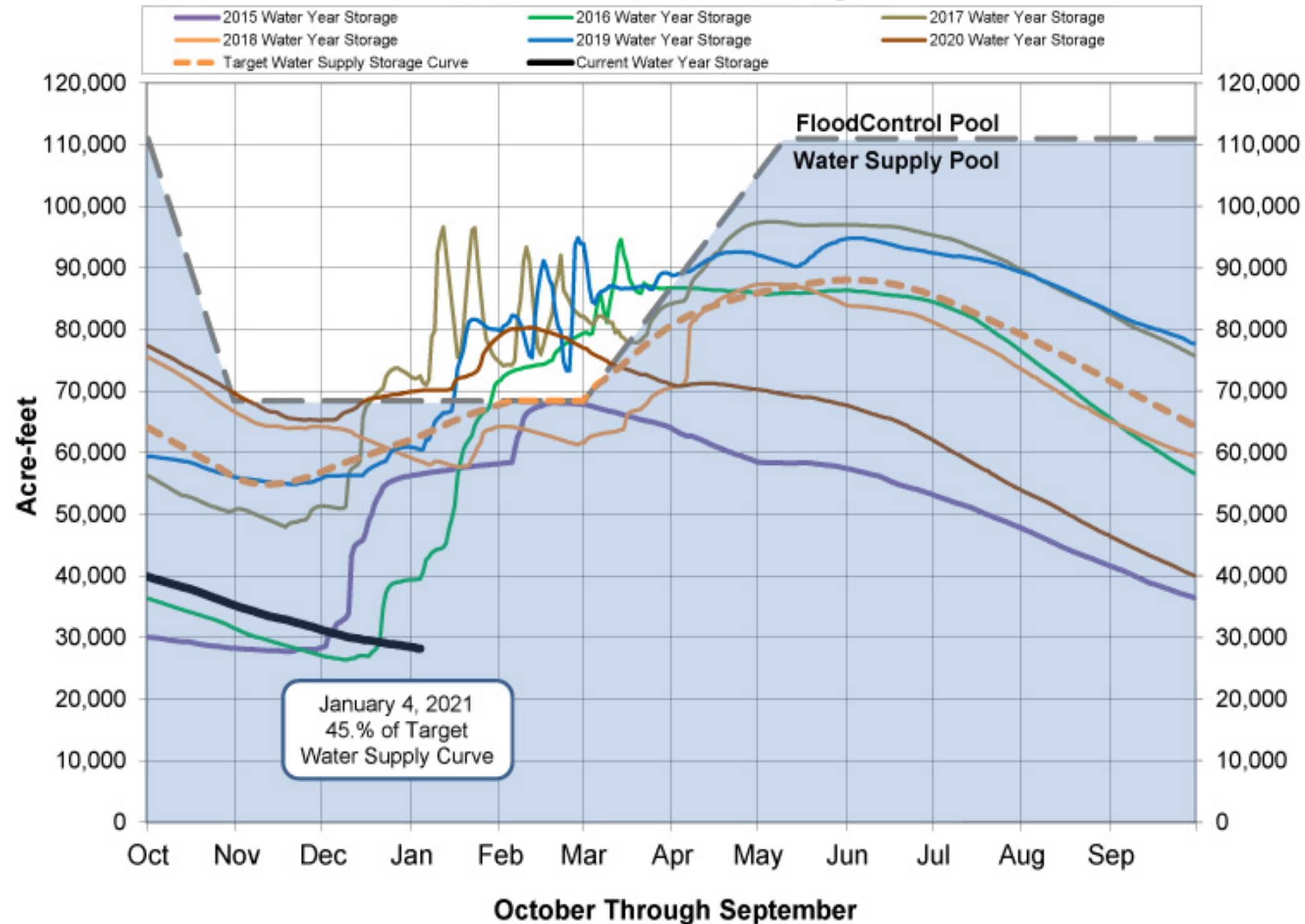
Source: CA-NV River Forecast Center

*Percentage of Normal based on 1981-2010 Averages

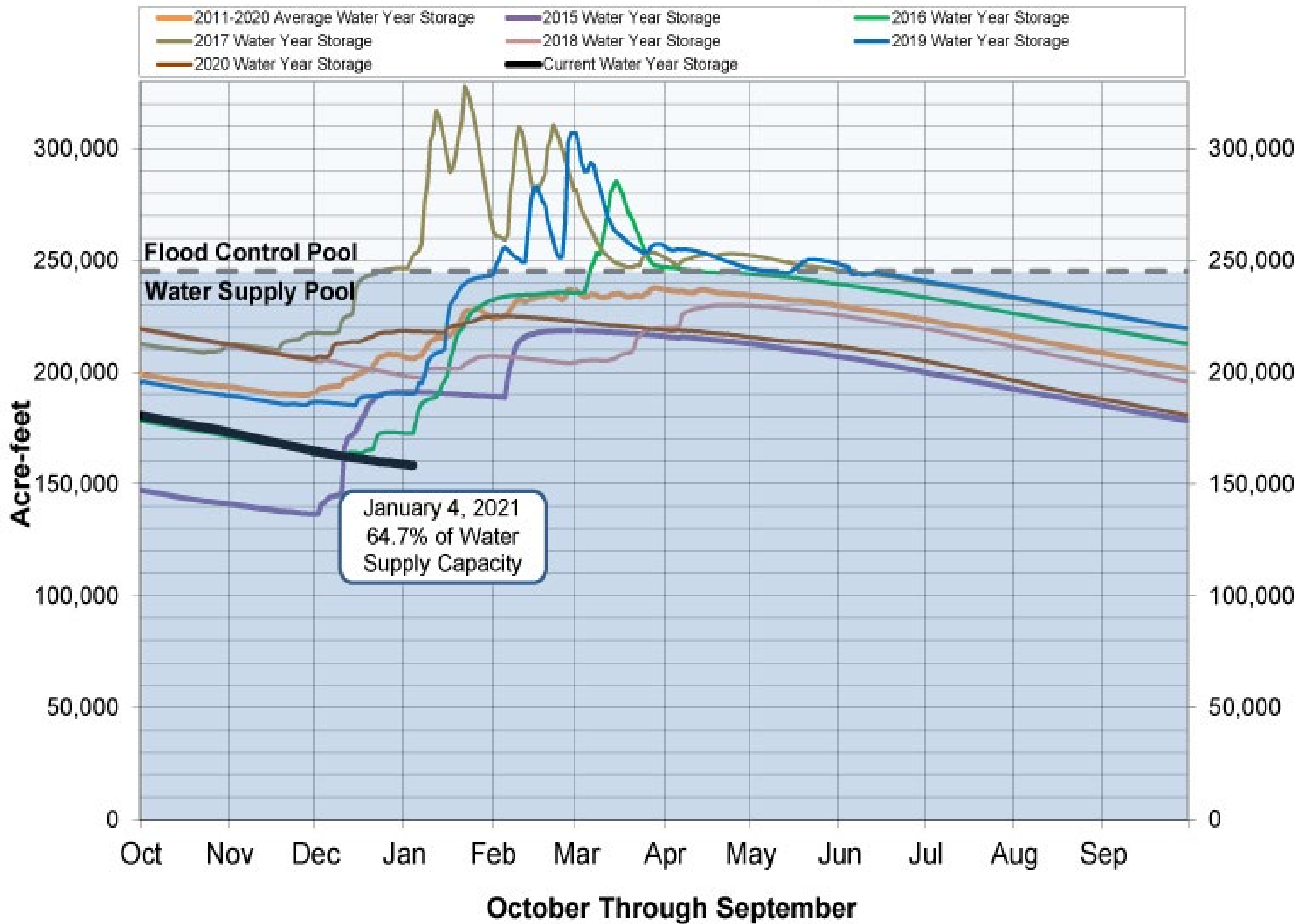


OUR FUTURE IN EVERY DROP

Lake Mendocino Storage



Lake Sonoma Storage



Santa Rosa Water is Planning Ahead

Water Shortage Contingency Plan

- Flexible tool for responding to ongoing dry conditions and asking for customer conservation

Ongoing Preparation & Department Response

- Routine updates – BPU and City Council
- Bill Inserts, City Connections Newsletter, Social Media
- Wine Country Radio Spots
- Pre-packaged outreach and actions to respond

Monitoring & Coordination with our Regional Partners

- Adaptive and consistent messaging depending on conditions



Water Shortage Contingency Plan

Document that describes how Santa Rosa Water will respond to various stages of Dry Weather, Drought or Emergencies

- Driven by regional supply outlook
- Voluntary or Mandatory levels of Action (tiers)

Actions

- Progressive water use restrictions, prohibitions, enforcement actions, and other demand management tools

Implementation of Water Shortage Contingency Plan

- Levels of Action determined by resolution of the City Council



OUR FUTURE IN EVERY DRÖP

Sonoma-Marín Saving Water Partnership



LAUNCHING WINTER REGIONAL AWARENESS CAMPAIGN

- ✓ ***Dry Year Messaging & Impacts***
- ✓ ***Water saving tips***
- ✓ ***Direct public to rebates***



OUR FUTURE IN EVERY DRÖP



We are here to help!

**Santa Rosa Water Use
Efficiency Contact:**

srcity.org/WaterSmart

(707) 543-3985

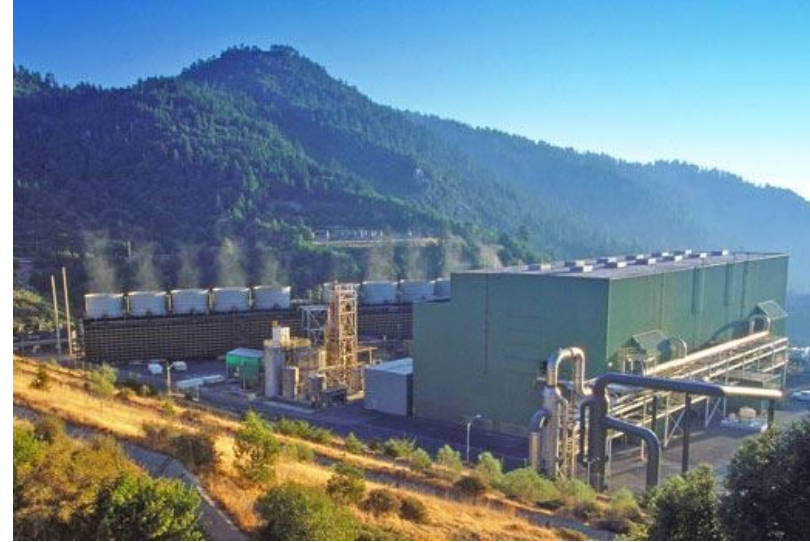




Recycled Water Supply Update

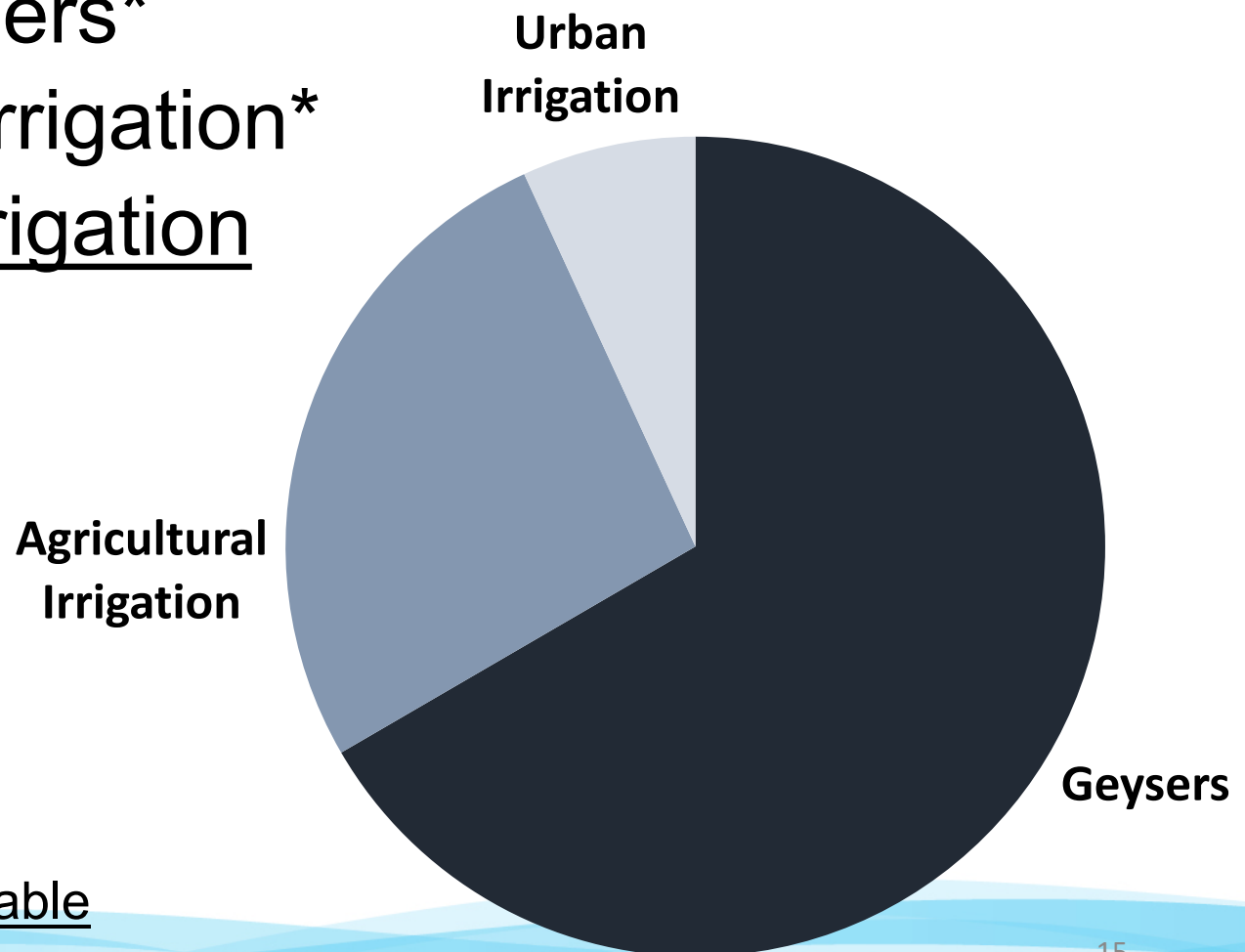
Recycled Water

- Average of 6.6 BG Reused Annually
- Reuse Destinations
 - Geysers Recharge
 - Urban Irrigation
 - Agricultural Irrigation
 - Permitted Releases to Laguna



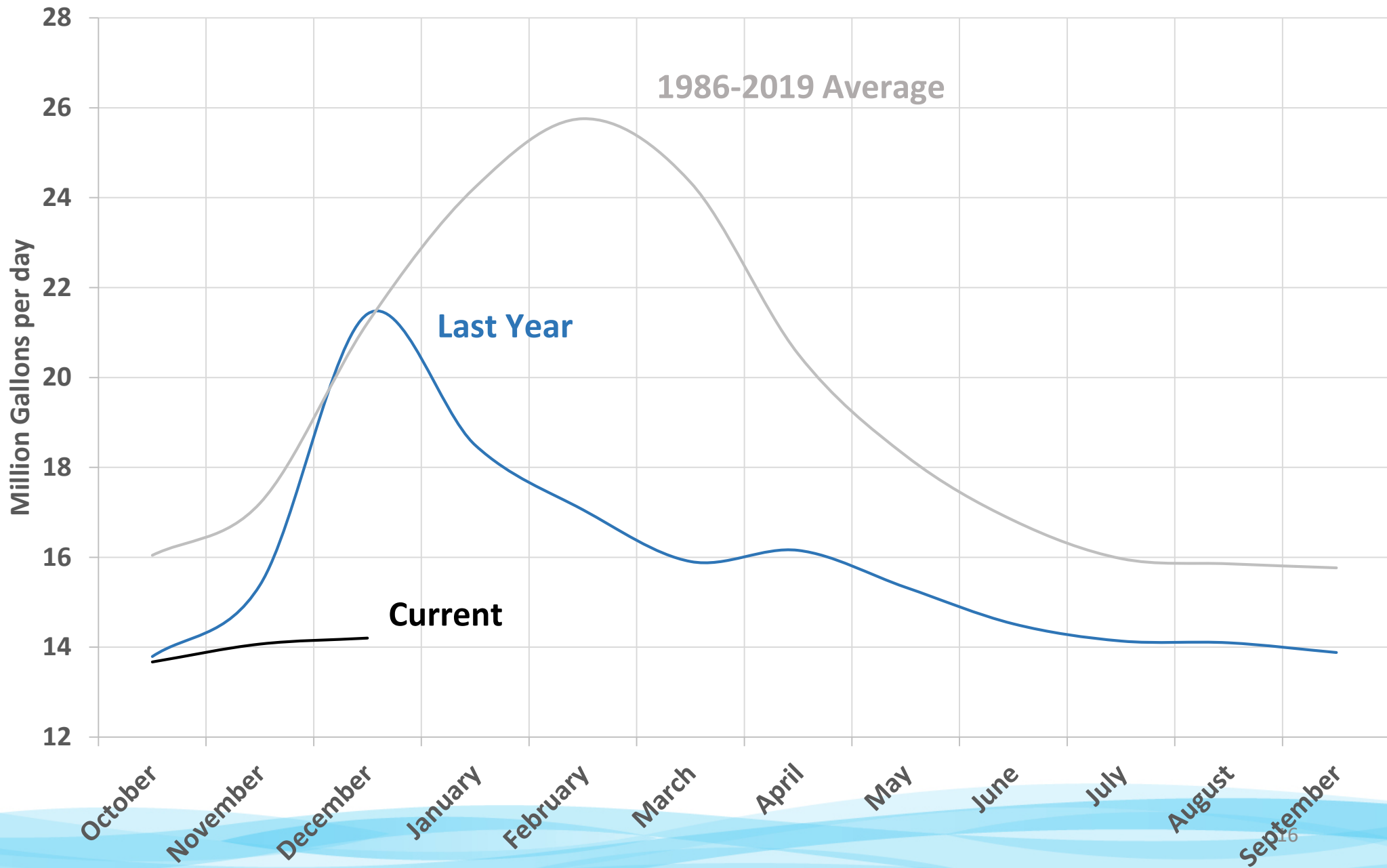
2020 Deliveries

- 3.8 BG to Geysers*
- 0.4 BG Urban Irrigation*
- 1.5 BG to Ag Irrigation
- **5.7 BG Total**

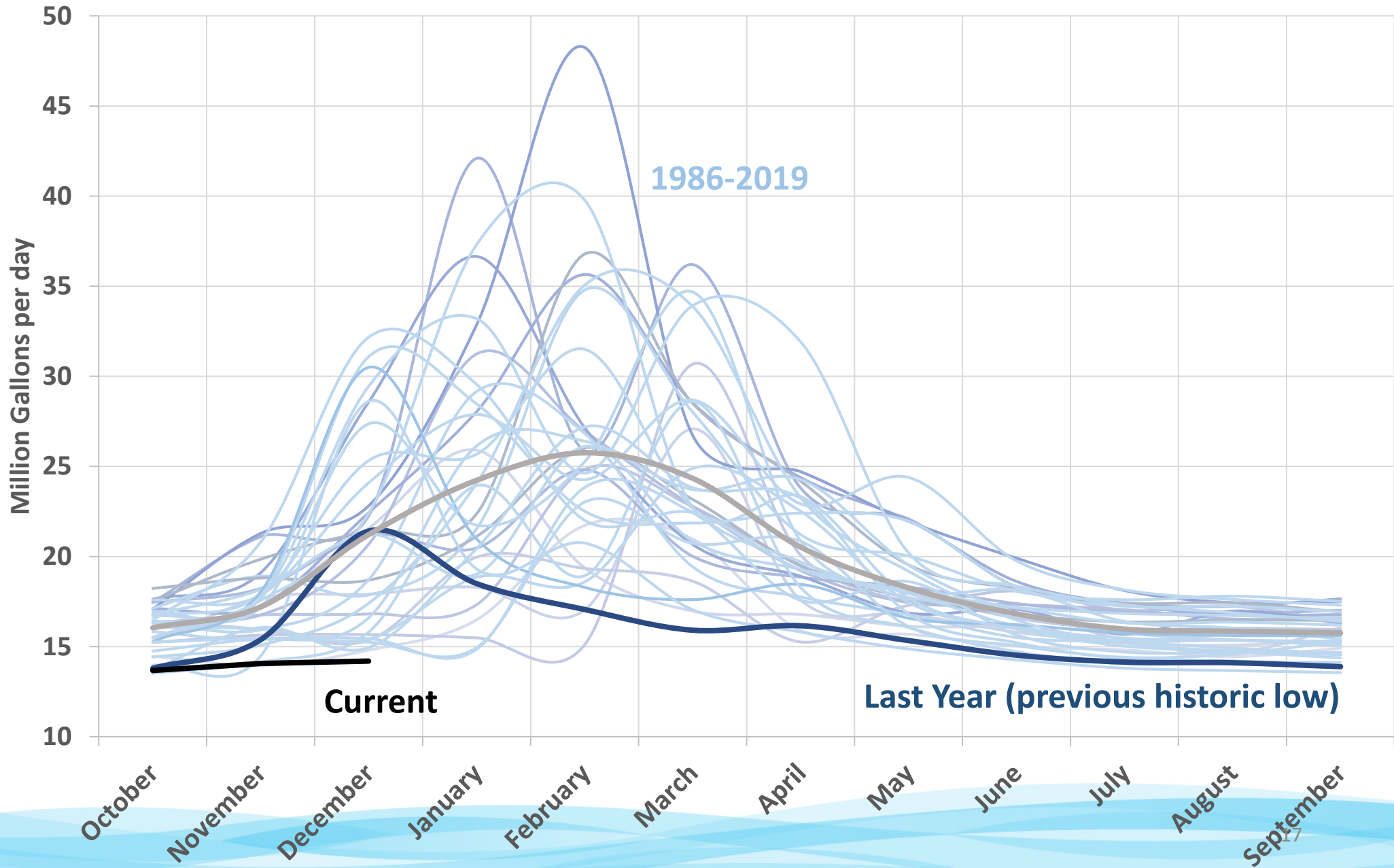


*Geysers and Urban Deliveries are Uninterruptable

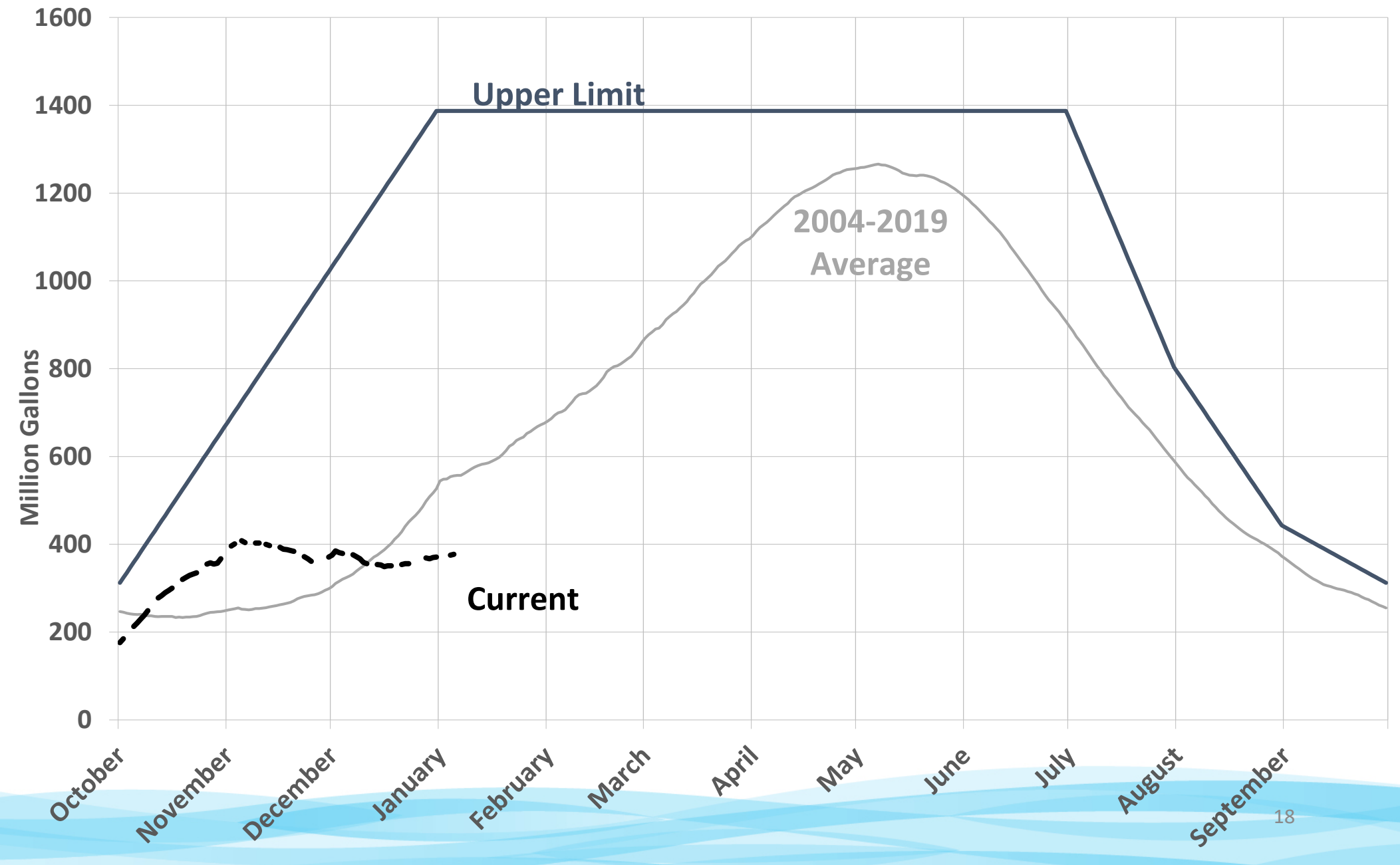
Recycled Water Production



Recycled Water Production



Recycled Water Storage



Water Availability

- Preparing for Little/No Recycled Water for Interruptible Customers
- Cut Geysers Deliveries to 91% of 2020 Contract
- On-going Ag User Meetings and Updates
- On-going Cooperation with Regional Partners



CONNECT WITH US!

CALL: 707.543.4200

EMAIL: SRWATER@SRCITY.ORG

VISIT: SRCITY.ORG/WATER



OUR FUTURE IN EVERY DRÖP