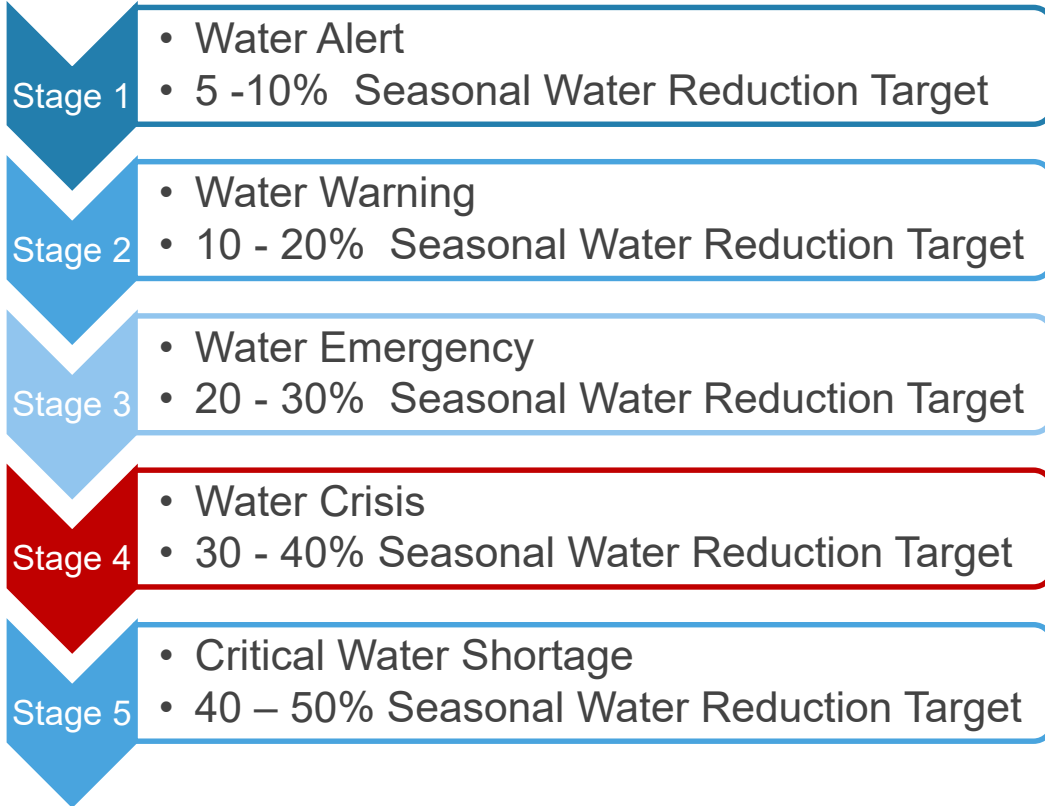




STAGE 4- WATER CRISIS

City Council Meeting
September 13, 2021

Water Conservation Stages



Stage 4– Restrictions

1. Wasteful use of water is prohibited. All water usage must be for beneficial uses.
2. Water use shall stay confined to the customer's property and is not allowed to run off onto adjoining property, public sidewalks, streets or parking lots. Water use will not exceed the point of saturation.
3. No landscape irrigation shall be allowed, including public and private streetscape landscaping (medians and frontage) and drip irrigation.
4. No water from the city water system shall be used to refill swimming pools, artificial lakes, ponds or streams.
5. Water use for ornamental ponds and fountains is prohibited unless required to maintain existing vegetation or to sustain existing fish/animal life.

Stage 4– Restrictions

6. Washing of automobiles or equipment shall only be done at a commercial establishment that uses recycled, reclaimed water or private well water .
7. All water leaks shall be repaired withintwenty -four hours of notification by the utilities department or discovery by the owner, or service may be discontinued
8. Basewater allocations, as established by the City pursuant to Section 14.06.030 for the appropriate customer class may be implemented to establish a maximum water usage limitation.
9. Washing of streets, parking lots, driveways, sidewalks, buildings and other hardscape surfaces is prohibited, except with an approved exemption form.

Stage 4– Restrictions

10. Water cannot be used for construction purposes such as dust control, compaction or trench jetting, except with an approved exemption form.
11. Restaurants shall serve water only upon specific request.
12. Discontinued use of hot tubs and inroom spa tubs at hotels/motels and lodging establishments.
13. Hotels and lodging establishments shall not provide patrons with stays of three days or less daily laundering of towels, sheets and linens. Lodges must prominently display notice of this requirement in each room

City Water Supply System

Three surface water Sources:

- × Waterfall Gulch (tributary to Hare Creek)
- × Newman Gulch (tributary to Noyo River)
- × Noyo River (diversion at Madsen Hole)
 - × *Provides approximately 60% of summer/fall supply*
 - × *Impacted by high tides creating high salinity*
 - × *17 days of tides > 6 ft. in August & September*

Storage 22.6 Million Gallons:

- × Summers Lane Reservoir 14.7 M gallons
- × Finished Water Tanks 4.5 M gallons
- × Raw Water Holding Ponds 3.4 M gallons

Current Usage & Supply for September

Three surface water Sources:

- × Waterfall Gulch 118k gallons
- × Newman Gulch 170k gallons
- × Noyo River (diversion at Madsen Hole)
 - × *Flowing at 220 gallons per minute but salinity too high to use*
 - × *After 9-20-21, up to 144k gallons*

Current Usage: 565k gallons daily

Summers Lane Reservoir:

- × 12.9 M gallons on 9-10-21 (90%)
- × 10.1 M gallons on 9-20-21 (70%)
- × 9.1 M gallons on 9-30-21 (63%)

Current Usage & Supply for October

Three surface water Sources:

- × Waterfall Gulch 110k gallons
- × Newman Gulch 155k gallons
- × Noyo River (diversion at Madsen Hole)
 - × *up to 144k gallons*
 - × *12 days of tides > 6 ft. in October*

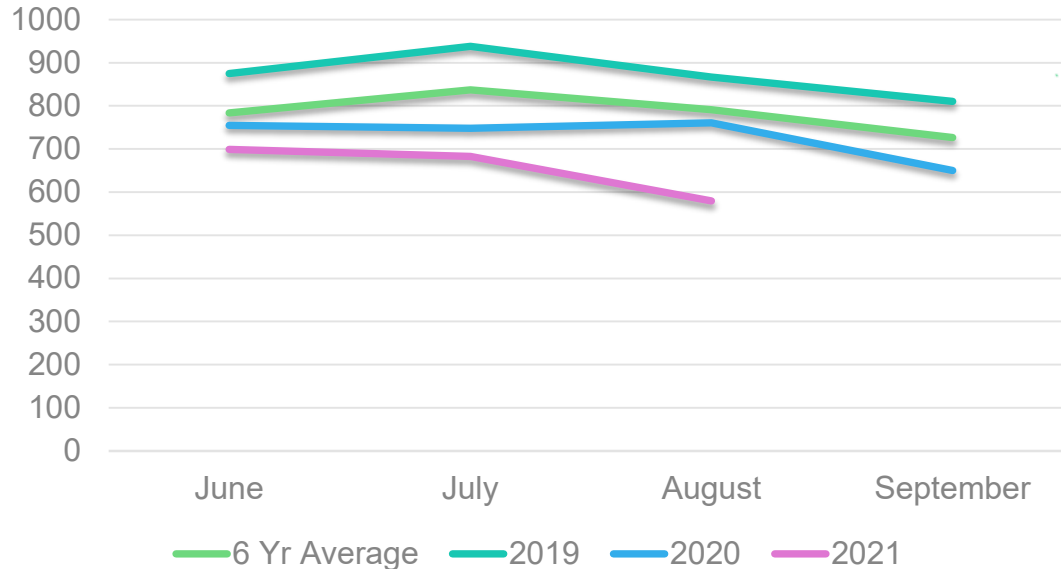
Projected Usage: 525k gallons daily

Summers Lane Reservoir:

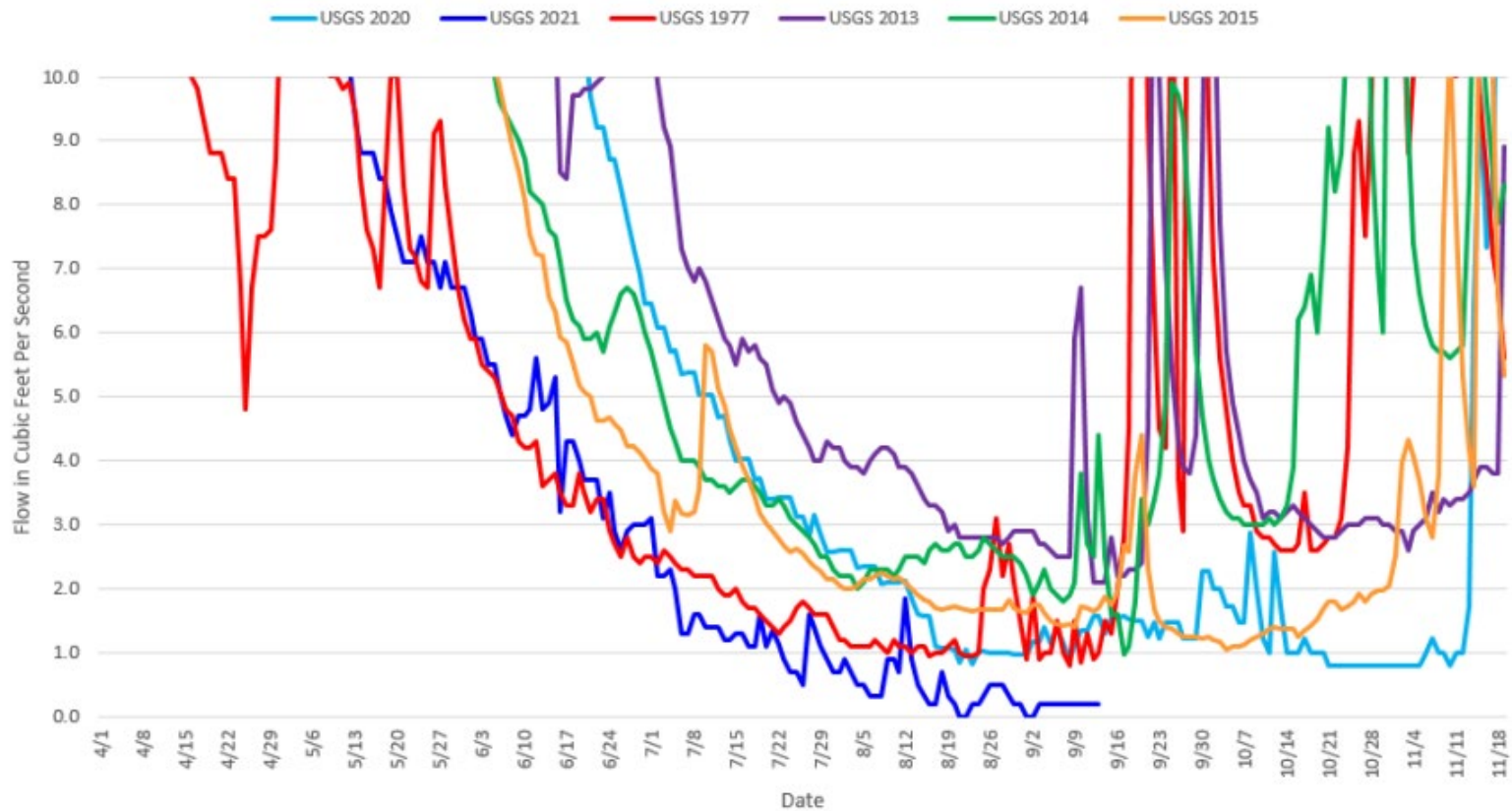
- × 9.0 M gallons on 10-01-21 (63%)
- × 5.1 M gallons on 11-01-21 (36%)
- × 1.4 M gallons on 12-01-21 (<10%)

Summer Water Usage

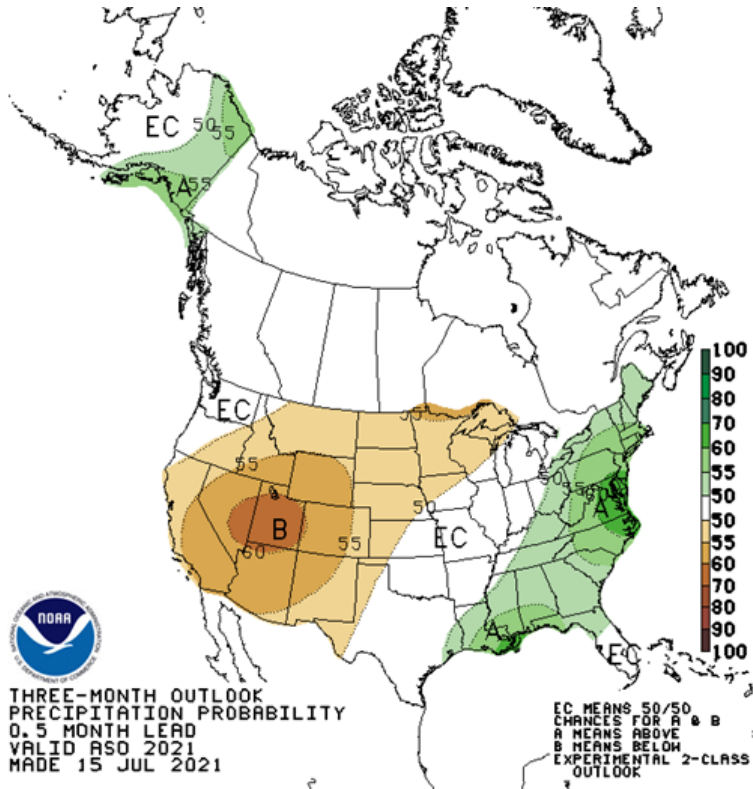
2015-2021
Per day in 1,000 gallons



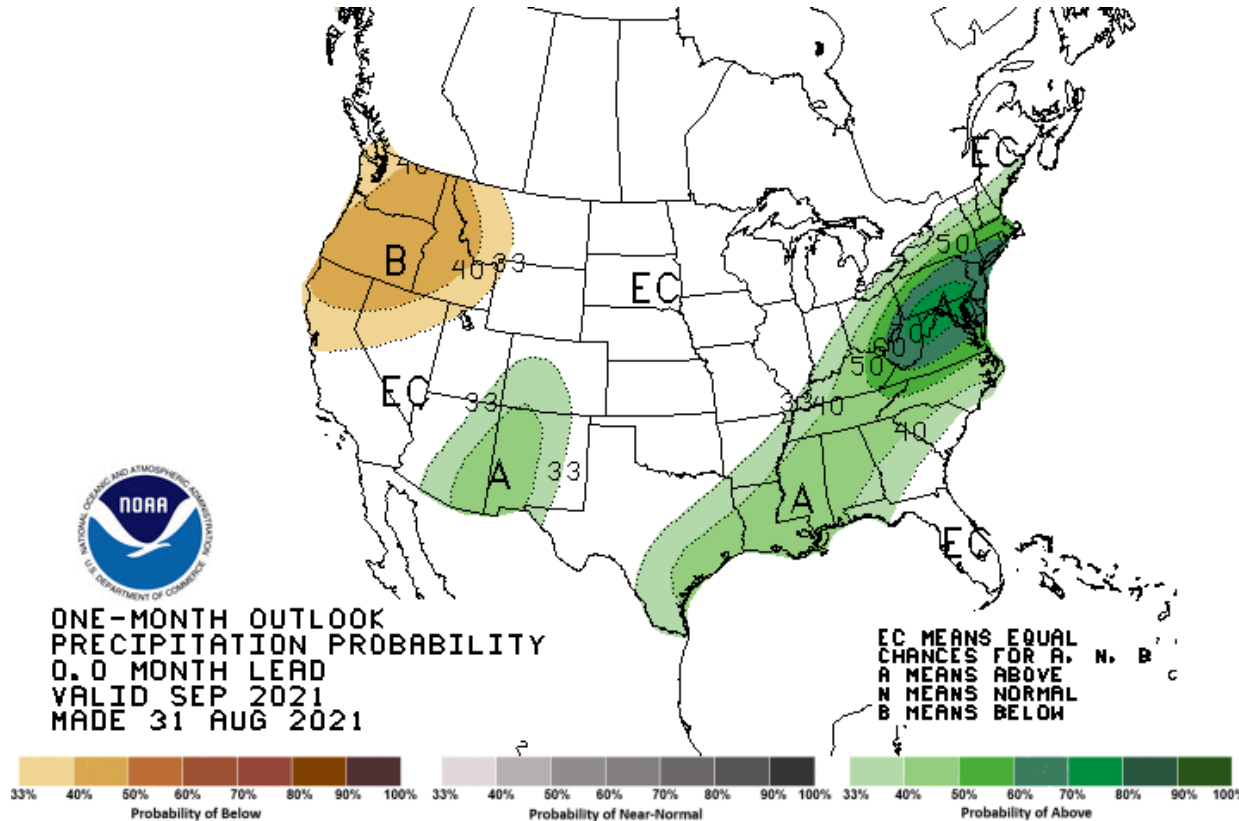
Noyo Flows



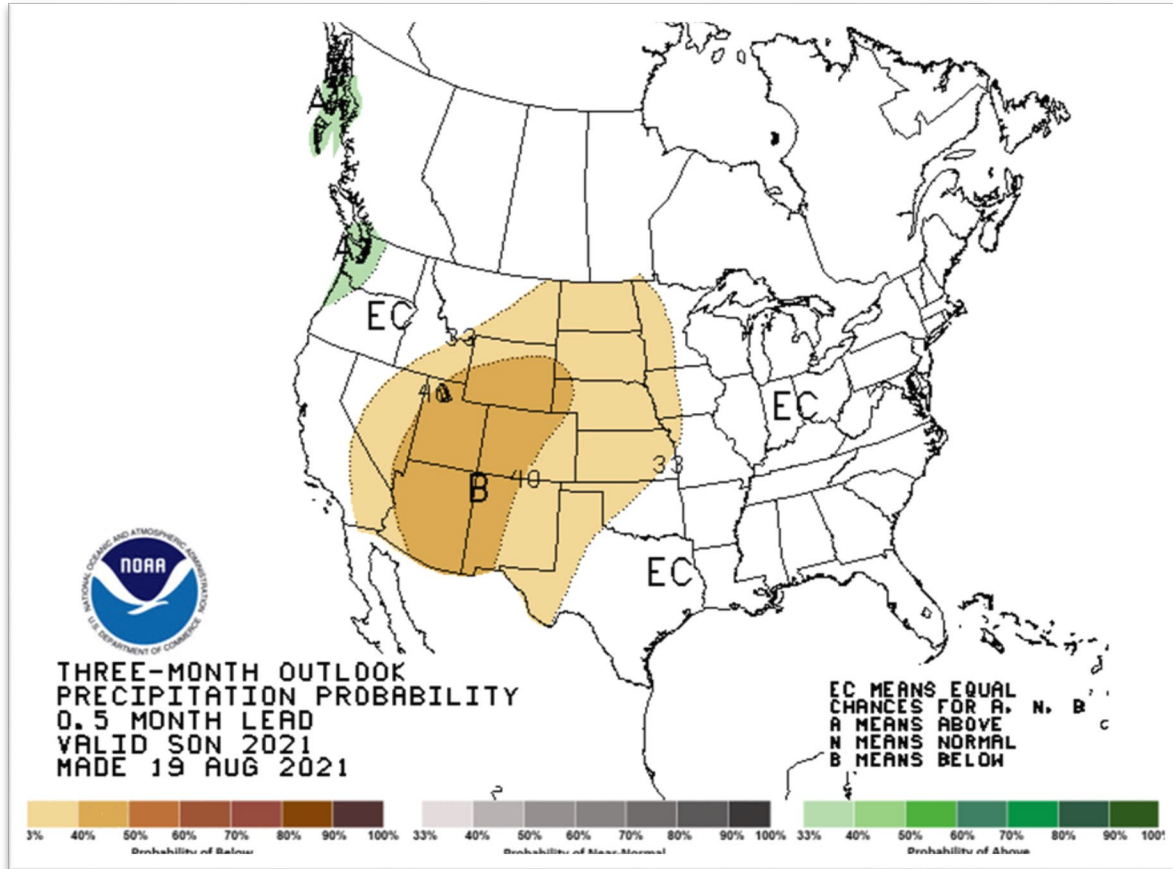
Prior Rain Outlook Aug, Sept, Oct 2021



Updated 30-day for September



Updated Rain Outlook Sept, Oct, Nov 2021



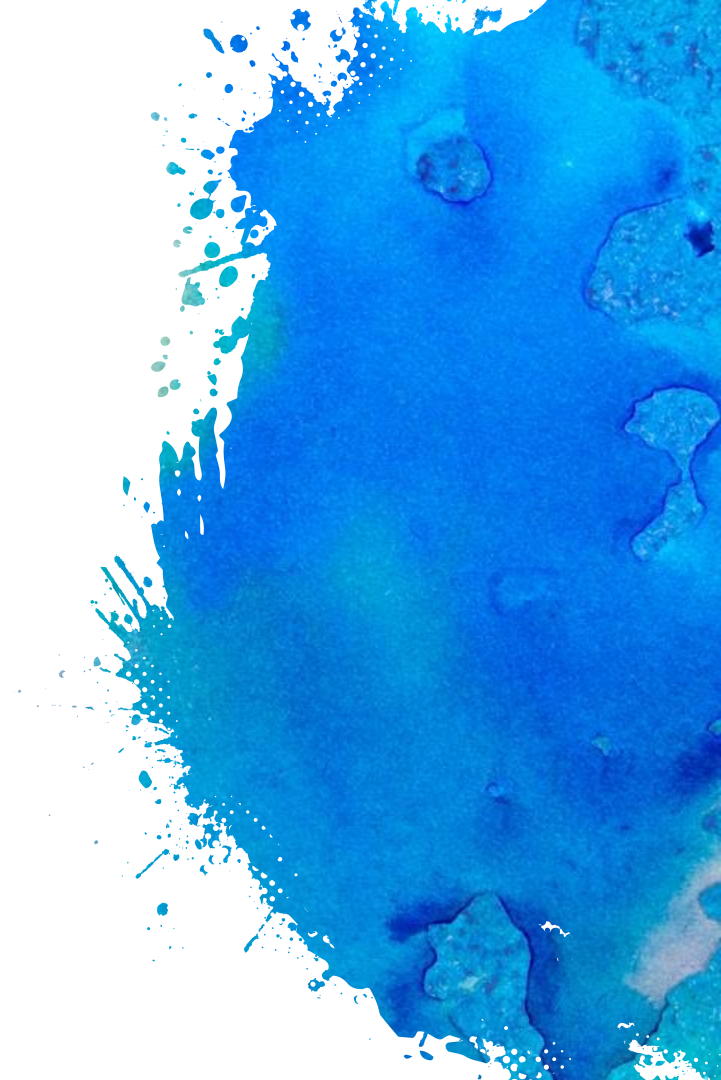
Supplemental Supply

1. Desalination-ReverseOsmosis Treatment System from Aquaclear has a current estimated date of arrival of 924-21 that will allow it to continue to pump water from the Noyo River during high tides when salinity reaches levels which cannot be processed by the City's Water Treatment Plant.
2. Water treatment system for Fort Bragg Unified School District ground water irrigation well is 9-30-21.
3. Water from City of Ukiah began on September 8. As more hauling trucks are procured volume transported should increase.

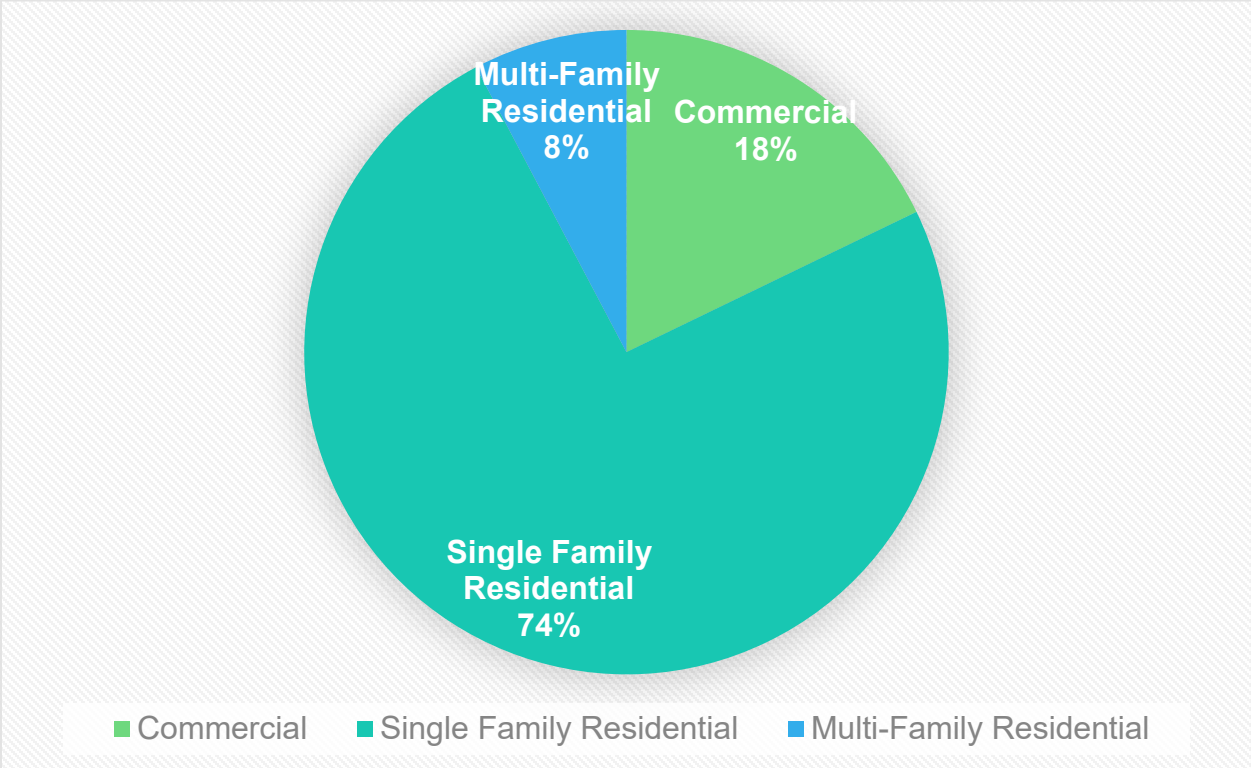
Water Conservation Efforts

- × Signage
- × Automated outreach to all water customers
- × Link from top of City website
- × Table tents for restaurants & lodges
- × Calls to hotels
- × Press Releases
- × Radar message board
- × Free water conservation kits

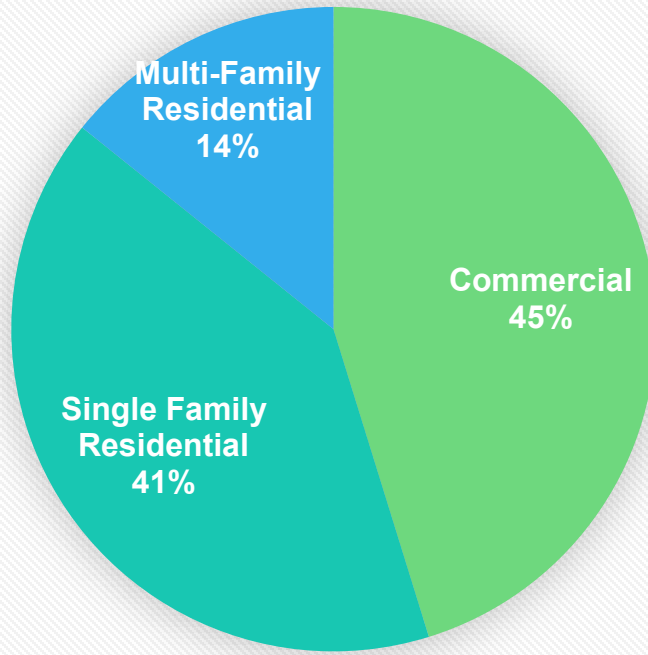
Questions?



Water Customers by Service



Water Consumption by Service



■ Commercial ■ Single Family Residential ■ Multi-Family Residential