



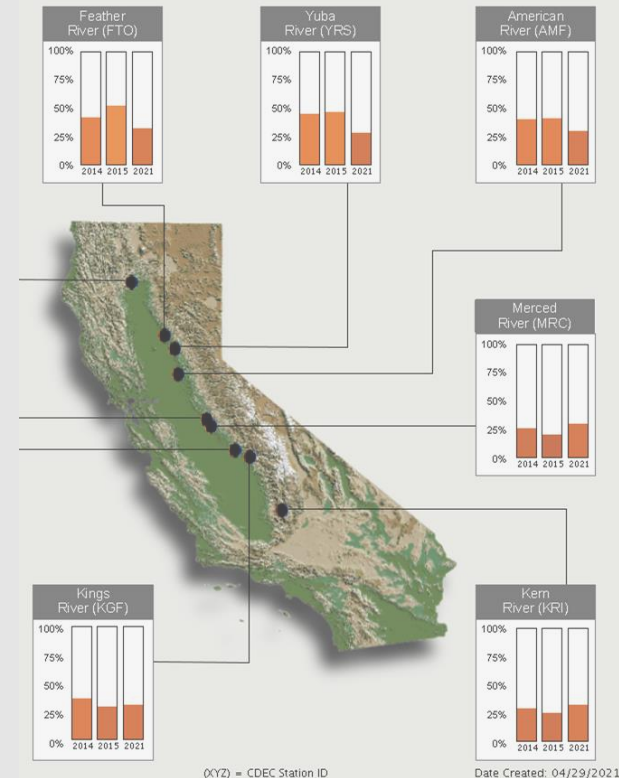
City Council Presentation 2022 Water Supplies



2022 - Historic Dry Year Locally & Regionally

ATTACHMENT 1

- Lake Hennessey
 - received 19 inches of rainfall
 - 27 inches is annual average
- Lake Hennessey is at 84% capacity as of April 18
 - Storage 19,455 AF
- Milliken Reservoir is 100% capacity as of April 18
 - Storage 1,400 Af
- State Reservoirs are near 2014 & 2015 levels
- State Water Project allocation is 15%



2022 Drought Year

Water Plan: Supply and Use

Goal: Preserve water stored in Lake Hennessey

Action:

- 20% reduction from 2020 in May – October
- Irrigation season conservation will preserve 1,500 AF in Lake Hennessey

Target: Lake Hennessey will hold 60% (18,600 AF) in November



2022 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

Focus on irrigation restrictions for all water users:

1. Residential and Commercial Irrigation
2. Temporary Hydrant Meters and Bulk Water from the City's Corporation Yard
3. Interruptible Agricultural Irrigation Contracts



2022 DRY YEAR WATER PLAN ATTACHMENT 1

R2021-074 MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

Residential and Commercial Irrigation Customers

- 90% residential / 10% commercial accounts

Limit outdoor spray irrigation to two times per week, customers with:

- **even number addresses irrigate on Monday and Thursday**
- **odd number addresses irrigate on Tuesday and Friday**

Exceptions:

- Drip and Micro spray
- hand watering with a container or hose with shutoff device
- limited operation of irrigation systems for testing, maintenance or repairs



2022 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

Temporary Hydrant Meters and Bulk Water from City Corp Yd

Prohibited Uses Outside City System:

- Irrigation
- Commercial

Allowed Uses

- Residential - limited to 6,000 gallons per parcel for interior domestic use in Napa County
 - subject to an agreement between the hauler and City that defines the restrictions and limitations
- Construction - used solely on a parcel that is currently receiving City water or is authorized to be served by City water.



2021 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

Interruptible Agricultural Irrigation Contract Customers

- Water not available in 2022
- Notification letters sent Feb 15th



2022 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

Remain in Effect

Irrigation restrictions:

- Do not irrigate landscaping between 10:00 a.m. and 5:00 p.m.
- Avoid runoff onto sidewalks, roadways, & non-irrigated areas



2022 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

No water waste:

- Decorative fountains or water features, must be recirculating
- Hoses must be fitted with a shutoff nozzle
- Use a broom - no spraying of water to wash driveways and sidewalks, except where necessary to address an immediate health and safety need



2022 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

Other restrictions:

- Do not drain and refill swimming pools unless needed for pool repair or to correct a severe chemical imbalance
- Hotels, motels, and other commercial lodging establishments provide the option of not having towels and linens laundered daily
- Restaurants wait to provide water until requested by customer



2022 DRY YEAR WATER PLAN ATTACHMENT 1

CONSERVATION RESOURCES

- Water-Wise Home & Business Surveys
- Free Water Saving Devices
- Water-Wise Gardening Web Site
napa.watersavingplants.com
Sample Irrigation Schedules, Controller Setting
- Cash For Grass Rebate & **Flip the Strip** (*new)
- Flume Meters
- Toilet Replacement
- Commercial Smart Rebates
- Trained Landscapers



2022 DRY YEAR WATER PLAN ATTACHMENT 1

OUTREACH PLAN

- City Website
 - Drought updates at www.CityofNapa.org/water
- Social media presence (Facebook, Twitter, Next Door...)
- News media
- **April 1st** Direct Mailer to all customers
- **April 6th** Started direct outreach patrols & door tags
- **April** Napa Valley Marketplace
- **Summer** NRWS bill inserts



2022 DRY YEAR WATER PLAN

OUTREACH PLAN

Direct mail
Friday, April 1st

Effective immediately outdoor irrigation with City water is only allowed **2 days per week.**



Even number addresses may water only on:

**MONDAY
THURSDAY**



Odd number addresses may water only on:

**TUESDAY
FRIDAY**

**No watering allowed:
WEDNESDAY, SATURDAY, SUNDAY**

Restrictions do not apply to:

- Low-volume drip irrigation
- Container plants
- Hand watering
- Testing, maintenance, repair

**Defeat
the Drought!**

*Water only on your
designated days
before 10am or after 5pm.*



**¡Derrota
la Sequía!**

*Riegue solo en los días
designados antes de las
10am o después de las 5pm.*



cityofnapa.org/water

Efectivo inmediatamente el riego al aire libre solo se permite **2 días a la semana.**



Domicilios con numeros Pares pueden regar:

**LUNES
JUEVES**



Domicilios con numeros Impares pueden regar:

**MARTES
VIERNES**

**No se permite regar:
MIÉRCOLES, SÁBADO, DOMINGO**

Las restricciones no se aplican a:

- Riego por goteo de bajo volumen
- Plantas en macetas
- Riego a mano
- Pruebas, mantenimiento, reparación



2022 DRY YEAR WATER PLAN

ATTACHMENT 1

OUTREACH PLAN

Patrols and
door hangers

AVISO DE SEQUÍA: DROUGHT NOTICE:

Napa has declared a moderate water shortage and outdoor water use restrictions are in place.

Please be advised that:

- ☐ **Your sprinklers were operating on the wrong day.**
Sprinklers are limited to two days per week: **EVEN**-numbered addresses on **MONDAY/THURSDAY**
ODD-numbered addresses on **TUESDAY/FRIDAY**
- ☐ **Your sprinklers were on during the daytime.**
Sprinklers are not allowed between 10am and 5pm to limit evaporation loss.
- ☐ **Your sprinklers were on during the rain.** Watering is not allowed during rain or within 48 hours of measurable rainfall.
- ☐ **Your sprinklers caused excessive flowing runoff.**
Limit sprinkler run times to avoid water flowing onto pavement and street.
- ☐ **You used drinking water to wash driveway or sidewalk.**
Use a broom to clean outdoor areas.
- ☐ **You used an open-ended hose to wash a motor vehicle.**
Attach a shutoff nozzle to hose.



cityofnapa.org/water

Consejos para la conservación del agua:

Outdoor Water Conservation Tips:

- **Use Water-Wise Plants**
Take advantage of City's 'Cash For Grass' Rebate!
- **Install Drip Irrigation and add a Smart Controller**
Save 15 gallons each time you water.
- **Set Mower Blades to 3"**
Encourage deeper roots and save 16-50 gallons per day.
- **Adjust Sprinkler Heads**
Save 12-15 gallons each time you water.
- **Fix Irrigation System Leaks**
Even very small leaks can waste 6,300 gallons per month!
- **Use Mulch**
Retaining soil moisture can save 20-30 gallons per square foot each time you water.
- **Hand Water Dry Areas**
Use a hose for dry spots rather than running sprinklers to excess.
- **Collect Indoor Water for Container Plants**
Use a bucket to collect water as you wait for shower to heat up.



cityofnapa.org/water



2022 DRY YEAR WATER PLAN ATTACHMENT 1

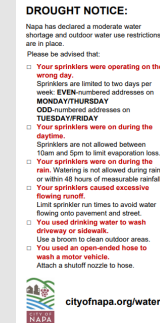
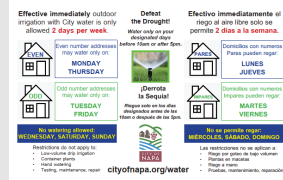
OUTREACH PLAN

Our Approach:

Education and direct outreach

and ... if necessary

Fines and Enforcement



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2022 DRY YEAR WATER PLAN ATTACHMENT 1

MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

NMC 13.10.080 (A) Enforcement

Title 1, Chapter 1.24.060

1. \$100.00 for a first violation;
2. \$200.00 for a second violation of the same code section within 12 months;
3. \$500.00 for each day of each additional violation of the same code section within 12 months;



2022 DRY YEAR WATER PLAN



Questions / Comments



2022 DRY YEAR WATER PLAN

RECOMMENDED ACTION

Agenda Item

Receive a Report on 2022 Water Supplies

