

# City Council Presentation

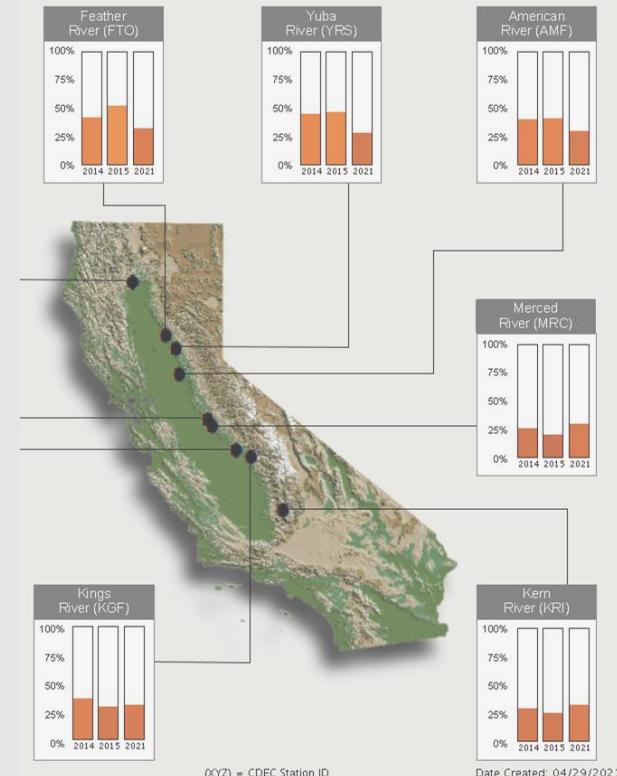
## 2022 Water Supplies



# 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

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## 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

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## 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

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## 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

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## 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

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## 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



## 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

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## MODERATE WATER SHORTAGE REGULATIONS IN EFFECT

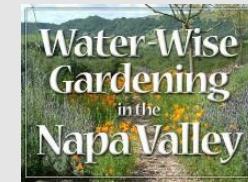
### Other restrictions:

- 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



## CONSERVATION RESOURCES

- Water-Wise Home & Business Surveys
- Free Water Saving Devices
- Water-Wise Gardening Web Site  
*[napa.watersavingplants.com](http://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



## OUTREACH PLAN

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



# 2022 DRY YEAR WATER PLAN

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## OUTREACH PLAN

**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

[cityofnapa.org/water](http://cityofnapa.org/water)

Direct mail  
**Friday, April 1st**

### 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.

**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



## 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](http://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.



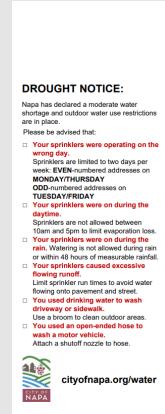
[cityofnapa.org/water](http://cityofnapa.org/water)



# 2022 DRY YEAR WATER PLAN

# OUTREACH PLAN

## Our Approach:



## Education and direct outreach



and ... if necessary



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# 2022 DRY YEAR WATER PLAN

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## 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

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**Questions / Comments**



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## RECOMMENDED ACTION

### Agenda Item

Receive a Report on 2022 Water Supplies

