# Napa Valley Subbasin Groundwater Pumping Reduction Workplan Implementation Update

Napa County GSA TAG Meeting



#### Overview

- 1. GPR Implementation
- 2. NCGSA Water Certification Partnership
- 3. Extended Replant Concept
- 4. Next Steps



# GROUNDWATER PUMPING REDUCTION WORKPLAN IMPLEMENTATION



## **GPR Workplan Implementation**

#### Guiding Framework:

- Focus on voluntary actions that achieve groundwater benefits for the Subbasin
- Assess the costs and benefits of alternative actions and focus on those that are most cost-effective
- Leverage existing programs and opportunities to generate value from a suite of voluntary actions
- Include adaptive management to adjust the program as data and sustainability indicators evolve
- Mandatory measures if voluntary programs do not achieve measurable reductions in groundwater pumping (e.g., mandatory metering/reporting)



#### Development & Implementation Timeline

Component/Activity	Q4 24	Q1 25	Q2 25	Q3 25	Q4 25	Q1 26	Q2 26
Component 1: Education and Outreach; Feasibility Analysis							
Water Conservation Education Materials	D	D	D	D	I	I	Ι
Local Partnership Building	D	D	D	D	D	D	D
Water Conservation Messaging System	D	D	D	D	I	I	Ι
Recharge Feasibility Analysis	D	D	D	D	D	I	I
Component 2: Voluntary Adoption							
Incentivize Program Adoption	D	D	D	D	D	D	D
Benchmarking Pilot Program	D	D	D	D	I	I	Ι
Meter Data and Reporting Program	D	D	D	D	D	I	I
Component 3: Voluntary Certification							
Certification Partnership	D	D	I	I	I	I	Ι

D = Development, I = Implementation

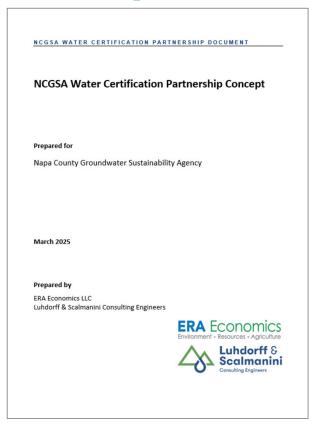


# NCGSA WATER CERTIFICATION PARTNERSHIP CONCEPT



## Water Certification Partnership

- Certification concept updates
  - Voluntary, incentive-driven partnership to encourage expansion of water conservation practices
  - Partnership with existing certification programs or other third parties (e.g., Farm Bureau, Napa RCD, etc.) to recognize vineyards and wineries implementing practices
  - One component of a suite of NCGSA programs





# **Updated Program Overview**



**Practices:** irrigation management, recycling/wastewater use, processes and technology

Metering: required (as a conditions of receiving subsidy for certification costs)

Verification: potential combination of audits, points, and self reporting

Data: third party receives data and aggregates it at AVA level

Calculations: quantify water savings for practices implemented at AVA level

Reporting: aggregate measures of impact/benefit across AVAs and Napa Valley Subbasin



#### Potential Program Incentives





## **Key Components: Potential Partners**

Expand water conservation practices

Partnership with NCGSA

Water measurement

Data management and aggregation

Data reporting

Incentives



#### Key Components: Wineries / Vineyards

Implement expanded water conservation practices

Partnership with certification program or other third-party

Water measurement

Data reporting

Incentives

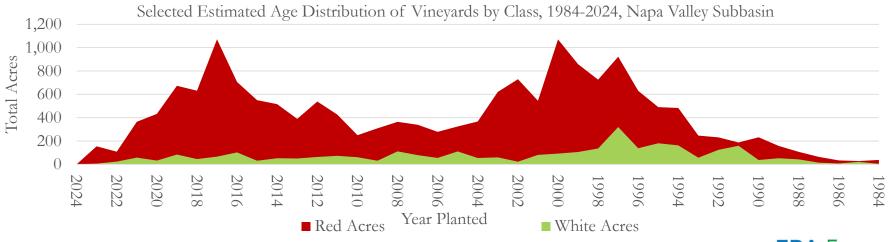


# VOLUNTARY EXTENDED REPLANTING PROGRAM UPDATES



## Extended Replant Program

- Voluntary program to incentivize vineyard managers to delay replanting for an extended period (+1 or 2 years)
- Extended idle leads to water savings as replants are shifted
- Can be combined with other practices to increase benefits, such as soil health and groundwater recharge



#### **Extended Replant Program**

Program
Development
Considerations

Structure and enrollment?

Program duration?

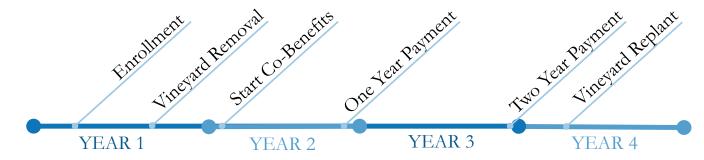
What are incentives (payments)?

Funding mechanism?

Recharge and other conservation practices on farm?

Integrate multi-benefit elements?

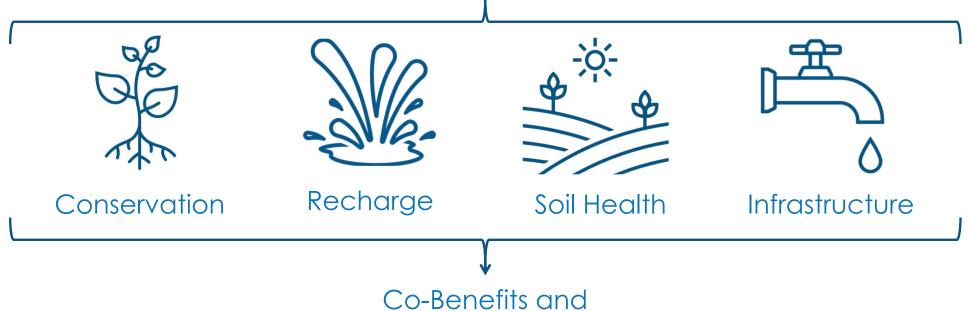
Example 2-Year Program Timeline





#### **Potential Multi-Benefit Elements**

Coupled w/ Extended Replant



Water Savings



#### Multi-Benefit Elements: Recharge

- GPR implementation also includes evaluation of practices to increase infiltration
- Includes on farm recharge combined with replant concept
- Separate evaluation of approaches forthcoming



#### **NEXT STEPS**



#### **Next Steps**

#### Continue to implement the GPR Workplan

- Outreach
- Certification
- Incentives
- Benchmarking
- Pilot Sites
- Extended Replant / Other (Mothballing) Concepts

