



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	I
Local Partnership Building	D	D	D	D	D	D	D
Water Conservation Messaging System	D	D	D	D	I	I	I
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	I
Meter Data and Reporting Program	D	D	D	D	D	I	I
Component 3: Voluntary Certification							
Certification Partnership	D	D	I	I	I	I	I

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

NCGSA WATER CERTIFICATION PARTNERSHIP DOCUMENT

NCGSA Water Certification Partnership Concept

Prepared for

Napa County Groundwater Sustainability Agency

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Updated Program Overview



Partnership: working with existing certification programs or third parties

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

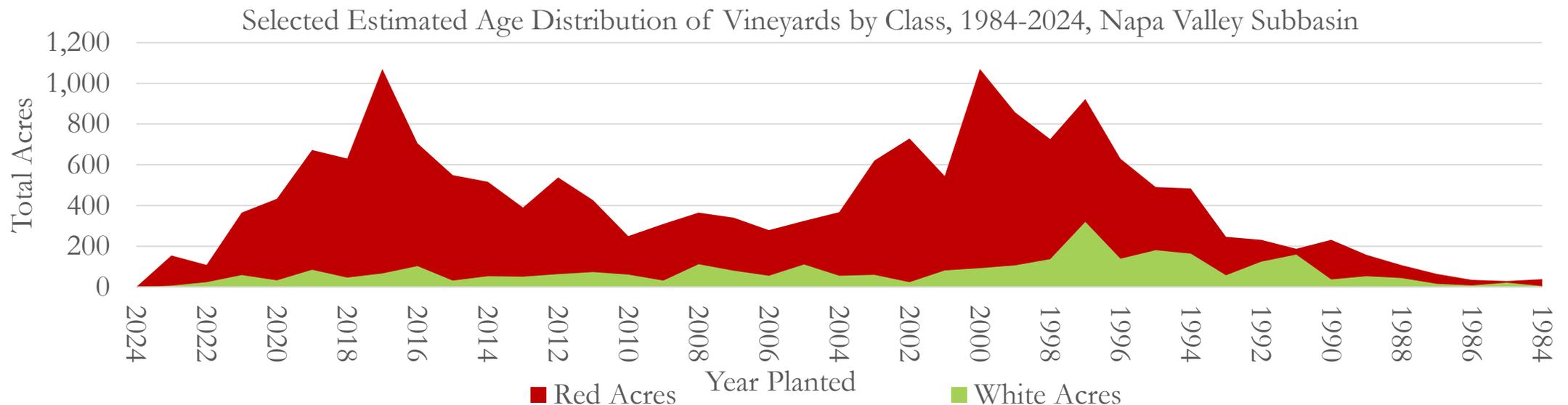
Incentives



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?

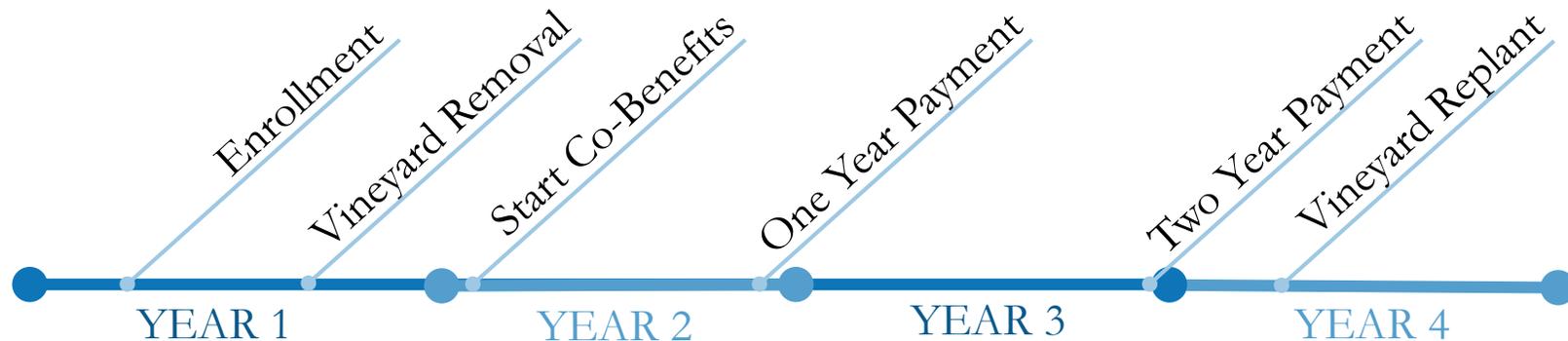
What are incentives (payments)?

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



Conservation



Recharge



Soil Health



Infrastructure

Co-Benefits and
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