



North Bay Water Reuse Authority

## North Bay Water Reuse Program

Sustainability Through Cooperative Wastewater Recycling

### Plenary Session



June 30, 2010

V 24

Chuck Weir

## Objectives of today's meeting

- ◆ Program Overview
- ◆ Emphasize Team / Partnership approach  
*Member and Partner Agencies, Reclamation & Consulting Team*
- ◆ Update on progress since 2007 meeting
- ◆ Review recommendations on a revised MOU
- ◆ Outline MOU approval process
- ◆ Outline future steps including ways you can engage

## Agenda

- ◆ Introduction
- ◆ Project status
- ◆ Governance
- ◆ Project funding & cost sharing
- ◆ Future
- ◆ Wrap-up



Introduction: Ginger Bryant

## Why this water reuse program?

- ◆ Long term water resource **sustainability**
- ◆ **Relieve competition** between urban, agricultural & environmental demands for water
- ◆ Regional programs create **economies of scale** in planning & implementation
- ◆ Regional partnering builds **political support** required for **securing funding**



**Project Status: Mike Savage**

## Project milestones & the team

2002	2003	2004	2005	2006	2007	2008	2009	2010	
Federal Study Appropriations									
Federal Construction Authorization March 2009									Bryant & Associates, TFG, & CDM
<b>Project Development &amp; Funding</b>							Construction Appropriations		
							State Funding Activities		KP & Bryant & Associates
Phase 1 Feasibility Study			Phase 2 FS			Phase 3 FS			CDM
<b>Engineering &amp; Planning</b>						Updates & Storage Investigations			
<b>Environmental</b>						Draft EIR/EIS			ESA & CDM
						Final EIR/EIS & Permits			
<b>Public Involvement</b>						Outreach			Rauch
<b>Program Management</b>						Management			Oakley Water

**Project Status**

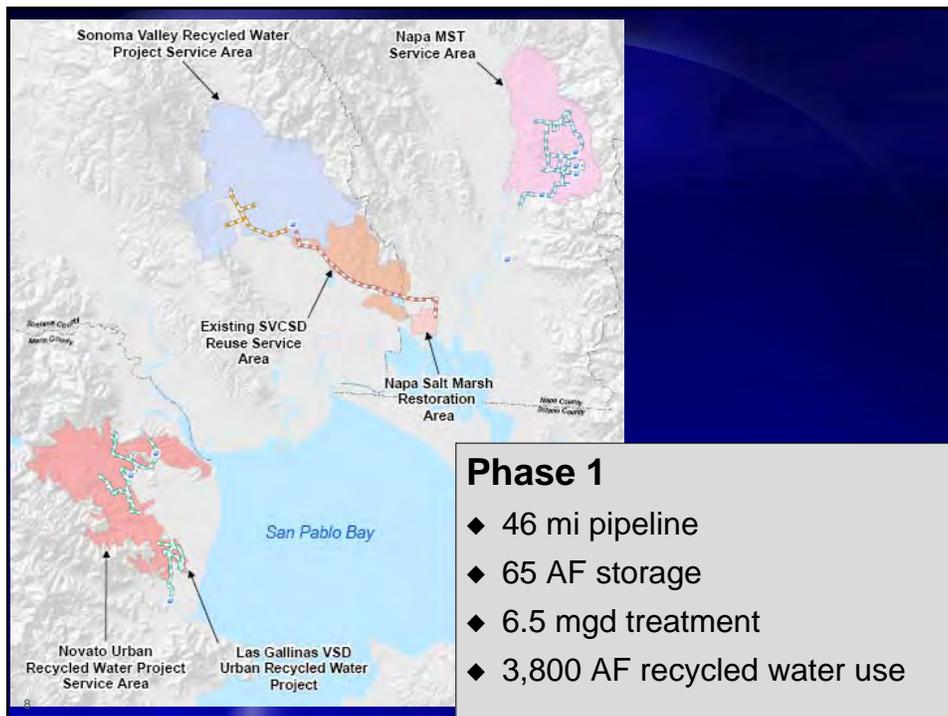
## Overview of success since 2007

- ◆ **Engineering & Planning:**
  - ◆ Feasibility Study completed 2008
  - ◆ Completed ARRA application
- ◆ **Environmental Process:**
  - ◆ Completed FEIR/EIS 2010
  - ◆ Continued work on permitting
- ◆ **Funding:**
  - ◆ Federal project authorization & appropriations
  - ◆ Federal ARRA funding
  - ◆ State funding approach initiated
- ◆ **Outreach:**
  - ◆ Response from the public has been positive
  - ◆ Many stakeholders publicly support

Project Status: Andria Loutsch

## Engineering & Planning

- ◆ Completed
  - ◆ Feasibility Study in June 2008 – **One year early allowing early Federal project authorization**
  - ◆ ARRA funding requests
  - ◆ Financial Capability Analysis
- ◆ Upcoming
  - ◆ “Dual Storage” investigation to address future needs
  - ◆ Monitor & update project descriptions as needed for variety of reports
  - ◆ Produce update of FS in 2010
  - ◆ Funding reporting for Appropriations & ARRA



**Project Status**

### Project funding under Phase 1

Agency	Federal Funds	Local Funds	Total Project	% of Total Project
<b>LGVSD</b>	\$2,566,000	\$7,719,000	\$10,285,000	10%
<b>Novato SD</b>	\$5,026,000	\$15,116,000	\$20,142,000	20%
<b>SVCSD</b>	\$7,967,000	\$23,964,000	\$31,931,000	32%
<b>Napa SD</b>	\$9,441,000	\$28,397,000	\$37,838,000	38%
<b>Total</b>	\$25,000,000	\$75,196,000	\$100,196,000	

Note: Reclamation & NBWRA administrative costs are included in Federal & local funds

**Project Status: Jim O'Toole**

### Environmental

- ◆ **Completed**
  - ◆ Public Draft EIR/EIS circulated May-June 2009
  - ◆ Final EIR/EIS circulated November 2009
  - ◆ SCWA certified EIR December 2009
  - ◆ NBWRA member agencies then approved individual Phase 1 Projects under Alternative 1
- ◆ **Upcoming**
  - ◆ Completing Federal Consultations
    - Section 7 and Section 106
  - ◆ Reclamation EIS Certification July 2010

Project Status: Ginger Bryant

## Federal Authorization & Funding

- ◆ **Completed**
  - ◆ Study funding 2002-2009: \$1.5 M
  - ◆ Project authorized in 2009
  - ◆ \$200,000 in FY 2010 appropriations towards construction
  - ◆ ARRA funding towards design & construction
- ◆ **Upcoming**
  - ◆ Requesting \$6.1 M for FY 2011

H. R. 146—325

**SEC. 9110. NORTH BAY WATER REUSE AUTHORITY.**

(a) **PROJECT AUTHORIZATION.**—The Reclamation Wastewater and Groundwater Study and Facilities Act (Public Law 102–575, title XVI, 43 U.S.C. 390h et seq.) (as amended by section 9109(a)) is amended by adding at the end the following:

“SEC. 1651. NORTH BAY WATER REUSE PROGRAM.

“(a) **DEFINITIONS.**—In this section:

“(1) **ELIGIBLE ENTITY.**—The term ‘eligible entity’ means a member agency of the North Bay Water Reuse Authority of the State located in the North San Pablo Bay watershed in—

- “(A) Marin County;
- “(B) Napa County;
- “(C) Solano County; or
- “(D) Sonoma County.

“(3) **PHASED PROJECT.**—A cooperative agreement described in paragraph (1) shall require that the North Bay Water Reuse Program carried out under this section shall consist of 2 phases as follows:

“(A) **FIRST PHASE.**—During the first phase, the Secretary and an eligible entity shall complete the planning, design, and construction of the main treatment and main conveyance systems.

“(B) **SECOND PHASE.**—During the second phase, the Secretary and an eligible entity shall complete the planning, design, and construction of the sub-regional distribution systems.

“(4) **COST SHARING.**—

“(A) **FEDERAL SHARE.**—The Federal share of the cost of the first phase of the project authorized by this section shall not exceed 25 percent of the total cost of the first phase of the project.

“(6) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated for the Federal share of the total cost of the first phase of the project authorized by this section \$25,000,000, to remain available until expended.”

NBWRA agencies (undefined) in 4 counties

2 Phases allowed

Federal share 25%

Phase 1 \$25 M

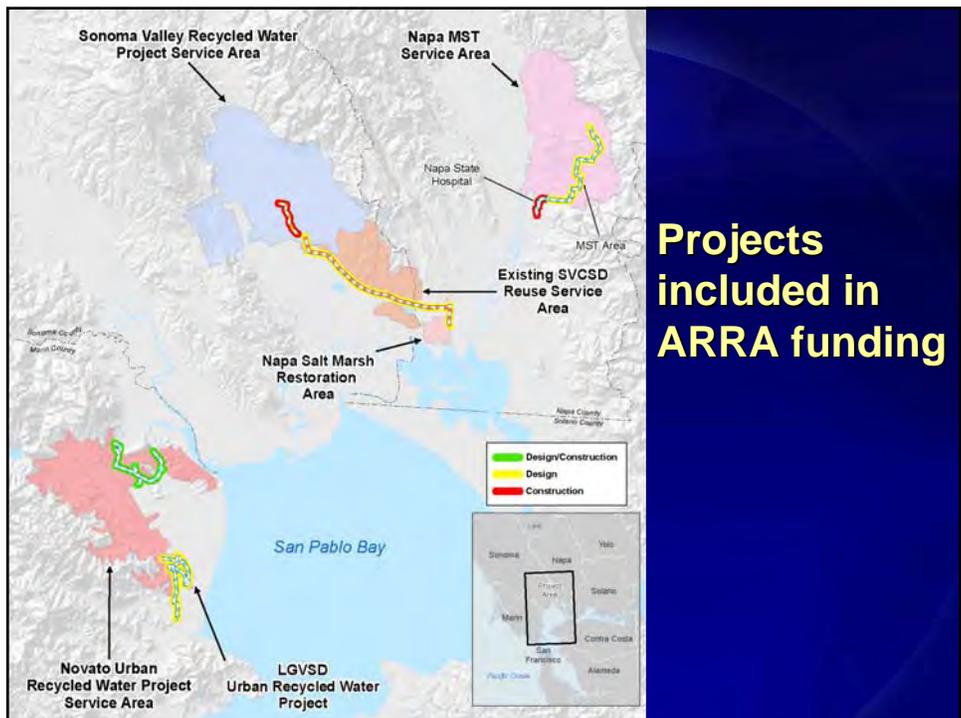
**Project Status**

## Project funding under ARRA

Agency	ARRA Funds	Local Funds	Total Project	% of ARRA Funds
LGVSD	\$276,000	\$828,000	\$1,104,000	5%
Novato SD	\$2,575,000	\$7,725,000	\$10,300,000	42%
SVCSO	\$1,690,000	\$5,070,000	\$6,760,000	28%
Napa SD	\$1,550,000	\$4,650,000	\$6,200,000	25%
<b>Total</b>	<b>\$6,091,000</b>	<b>\$18,273,000</b>	<b>\$24,364,000</b>	

Note:

- Preliminary subject to revision
- Reclamation & NBWRA administrative costs are included in ARRA & local funds



Project Status: Pilar Oñate-Quintana

## State Activities – Support and Future Funding

- ◆ **Completed**
  - ◆ Developed Legislative support for program through tours & office visits
  - ◆ Raised profile of NBWRA program before agencies that administer key Prop. 84-funded programs
- ◆ **Upcoming**
  - ◆ Education of incoming legislators
  - ◆ 2010 water bond
  - ◆ Prop 84 – \$1.25 billion in funding for recycling
  - ◆ Drought Relief Grants

Project Status: Martin Rauch

## Public Outreach

- ◆ **Completed**
  - ◆ Focus groups & public meetings
  - ◆ Brochures, newsletters & website
  - ◆ Press support
  - ◆ Stakeholder outreach
- ◆ **Upcoming**
  - ◆ Update program materials
  - ◆ Support for local, federal & state legislative tasks
  - ◆ Ongoing press & stakeholder support

**Project Status**

**Fact Sheets**

**News and E-News**

**Blog**

**Meetings**

**Tours**

**SUSTAINABILITY THROUGH COOPERATIVE WATER RECYCLING**

**THE NORTH BAY WATER REUSE AUTHORITY**

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SUSTAINABILITY THROUGH COOPERATIVE WATER RECYCLING

**An Introduction to North Bay Water Reuse Authority through Cooperative Wastewater Recycling**

**March, 2008**

**Project Status: Mike Savage**

**Questions & discussion**

**CDM**

**Sonoma County Water Agency and Bureau of Reclamation**

Phase 3 Engineering and Economic/Financial Analysis Report  
North San Pablo Bay Restoration and Reuse Project

June 2008

Prepared in cooperation with North Bay Water Reuse Authority

**Final**

**NORTH SAN PABLO BAY RESTORATION AND REUSE PROJECT (NORTH BAY WATER RECYCLING PROGRAM)**  
Environmental Impact Report/  
Environmental Impact Statement  
EIR/EIS 2006072009

Prepared for:  
North Bay Water Reuse Authority  
March 2008

**Application for Bureau of Reclamation Funds through the American Recovery and Reinvestment Act of 2009**

**North Bay Water Reuse Authority**

**Title Information**  
North Bay Water Reuse Program (P.E. 14111, 14074732)

Ernest & Young, Sonoma County Water Agency, 3700 San Pablo Plaza, Santa Rosa, CA 95403  
NorthBayWaterReuse.org | 707.534.4265 Fax: 707.544.4123

Compliance is required if funding for Reclamation funding of 2009 ARRA project.

**United States Department of the Interior**

**BUREAU OF RECLAMATION**  
PO Box 23007  
Denver, Colorado 80221-0007  
MAY 17 2009

VIA ELECTRONIC MAIL AND U.S. MAIL

Sonoma County Water Agency  
Attn: Kevin Booker  
404 Aviation Blvd.  
Santa Rosa, CA 95403

**Subject: Request for American Recovery and Reinvestment Act of 2009 (ARRA) Funding of the North San Pablo Bay Restoration and Reuse Project under the Bureau of Reclamation's Water Reclamation and Reuse Program, Title XVI of P.L. 110-575, as amended (Title XVI)**

Dear Mr. Booker:

In 2009, Reclamation conducted a review of requests for ARRA funding of Title XVI water reclamation and reuse projects, including your request for funding of the North San Pablo Bay Restoration and Reuse Project. We are pleased to inform you that additional ARRA funding has become available at this time and that your project has been identified to receive funding based upon the results of Reclamation's 2009 review.

Reclamation anticipates that \$7,178,000 in Federal funds will be available to you for the project described in your request. This amount is based upon consideration of the amount requested, the

Governance: Chuck Weir

## Governance options investigated

- ◆ Potential options investigated
  - ◆ MOU
  - ◆ JPA
  - ◆ Other
- ◆ Direction in 2007 to maintain MOU
- ◆ Update of MOU needed
  - ◆ Governance & leadership by elected officials
  - ◆ Equitable shares of study costs
  - ◆ Equitable sharing of Federal & State funds
- ◆ Future options & direction?

Governance

## Overview of recommendations

- ◆ Continue with MOU
  - ◆ MOU is working
  - ◆ JPA is challenging to set up and difficult to modify
- ◆ Board of Directors – agency elected officials
  - ◆ More involvement from policy makers
- ◆ Technical Advisory Committee – similar to current Coordination Committee
  - ◆ To handle day to day operations

## Questions & discussion

### Project Funding & Cost Sharing: Chuck Weir

## Cost sharing

- ◆ NBWRA is a regional program that provides benefits to all agencies
- ◆ Considered equal shares, agency budgets, various percentages
- ◆ Recommendation is all members pay a portion of costs equally and the rest based on project costs
- ◆ Added Exhibit B to MOU

## Project Funding &amp; Cost Sharing

## Percentages for ongoing NBWRA costs – Exhibit B

Agency	25% Split Equally	Percentage of Remaining 75%	Total of Percentages
LGVSD	5.00%	7.70%	12.70%
Novato	5.00%	15.08%	20.08%
SVCSD	5.00%	23.90%	28.90%
SCWA	5.00%	0.00%	5.00%
Napa	5.00%	28.32%	33.32%
<b>Total</b>	<b>25.00%</b>	<b>75.00%</b>	<b>100.00%</b>

## Project Funding &amp; Cost Sharing

## Distribution of received funds

- ◆ Should be based on benefit received
- ◆ Considered equal distribution, based on agency budget, and project costs
- ◆ Recommendation is based on project costs for Phase 1
- ◆ Added Exhibit C to MOU

## Project Funding &amp; Cost Sharing

## Percentages for distribution of Federal funds received – Exhibit C

Agency	Federal Authorization	Percentage
LGVSD	2,566,000	10.26%
Novato	5,026,000	20.10%
SVCS	7,967,000	31.87%
Napa	9,441,000	37.76%
<b>Total</b>	<b>25,000,000</b>	<b>100.00%</b>

## Project Funding &amp; Cost Sharing

## Related issues and solutions

- ◆ Participants remain part of the MOU through completion of Phase 1
  - ◆ Receipt of \$25 million or 10 years from ROD
- ◆ Parties can reallocate project costs
- ◆ Once federal funds received, agency remains through Phase 1
- ◆ Can opt out if no projects completed and no federal funds received – other agencies would need to assume costs
- ◆ Exhibits B and C can be revised – additional agencies or agencies leave
- ◆ Developed a truing up of costs back to FY05/06

## Related issues and solutions

- ◆ What happens if not all the \$25 Million is Received
  - ◆ Developed Method for Redistribution
  - ◆ Exhibit D Addresses this
- ◆ Liability and Contractual Issues
  - ◆ Side Agreements between SCWA and Member Agencies to be developed
  - ◆ Resolves contractual liabilities with SCWA and Member Agencies
  - ◆ Language added to MOU to address this
- ◆ **Member Agency Attorneys have reviewed and approve the MOU**

## MOU Approval Process – Next Steps

- ◆ Take Back to Your Agencies
- ◆ Discuss as Needed
- ◆ Add to Agenda for Approval
- ◆ Estimate 30-45 days for Approval

## Questions & discussion

## Future

- ◆ Involvement of local political leaders/decision makers critical to continued success
  - ◆ Region-wide representation for all potential end users
  - ◆ Broad local support required to secure local, state & federal funds
- ◆ Evolving program:
  - ◆ *Success breeds success*
  - ◆ Interest by new partners & expanding program
  - ◆ Unserved demands in the program area

Future

## Why consider a potential Phase 2?

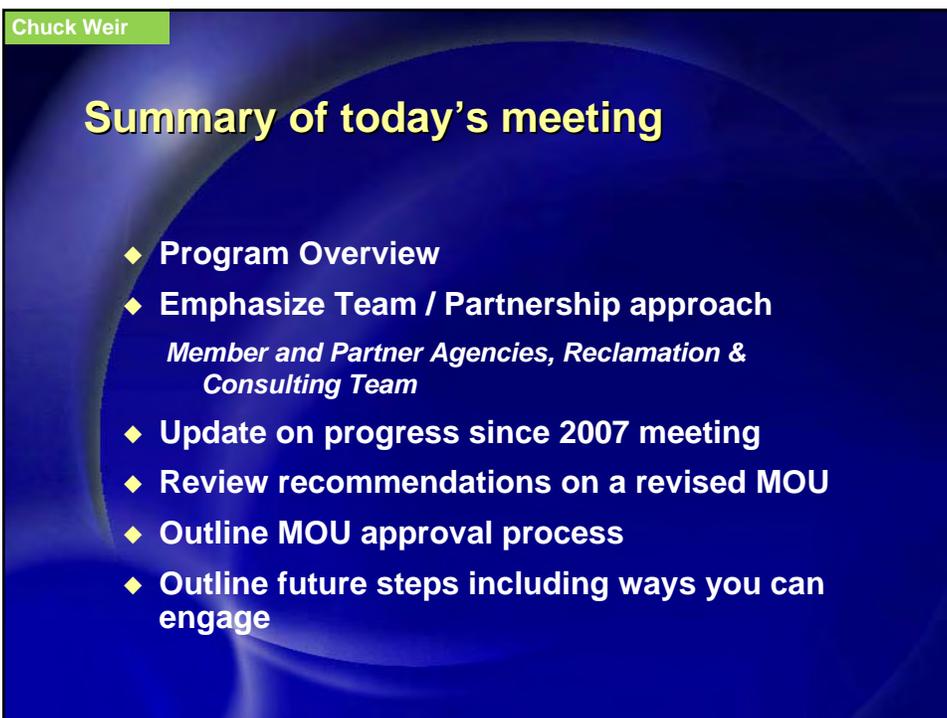
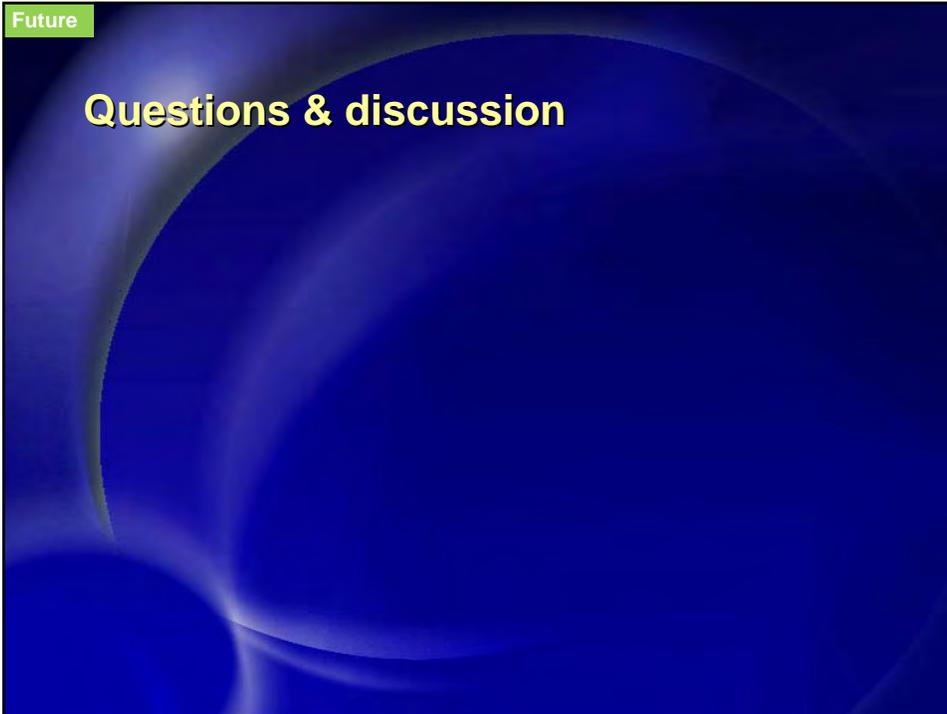
- ◆ Increased recognition of recycled water's role in achieving regional water supply sustainability
- ◆ Available recycled water supplies for the region's beneficial use
- ◆ Identified unserved demands in the region
  - ◆ Alternative 1 users not in Phase 1
  - ◆ New potential partners



Future

## Activities that would be required if proceeding with a future Phase 2

- ◆ Initiate Federal Authorization process
- ◆ Identify new Phase 2 partners
- ◆ Evaluate additional storage potential to:
  - ◆ Maximize program yield
  - ◆ Serve expanded urban & agricultural users
  - ◆ Meet environmental needs
- ◆ Update feasibility analysis for expanded system
- ◆ Update environmental review documents



Wrap-up: Bill Long

## Closing comments by elected officials

