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Managing Water in the West

CVP M&I Water Shortage Policy Review

Stakeholder Workshop #1

May 26, 2010

Red Lion Hotel, 1401 Arden Way, Sacramento



U.S. Department of the Interior
Bureau of Reclamation

Objectives of Stakeholder Workshops

- Review CVP M&I Water Shortage Policy (WSP) status
- Enhance understanding of M&I WSP
- Obtain input from CVP stakeholders and the public
- Help guide decisions on M&I WSP

Today's Workshop Objectives

- Discuss history of the M&I WSP
- Discuss status of the M&I WSP
- Understand elements of the current M&I WSP
- Chart path for next workshops

Agenda

Time	Topic
9:00 – 9:30 am	<ul style="list-style-type: none">• Workshop Process Objectives• Agenda Review• Roles and Responsibilities
9:30 – 10:30 am	<ul style="list-style-type: none">• M&I WSP History• M&I WSP Evolution• Current M&I WSP
10:30 – 10:45 am	<ul style="list-style-type: none">• Break
10:45 am – 12:15 pm	<ul style="list-style-type: none">• Need/Value for M&I WSP Review
12:15 – 1:30 pm	<ul style="list-style-type: none">• Lunch
1:30 – 2:45 pm	<ul style="list-style-type: none">• Current Perspectives• M&I WSP Development Process and Timelines
2:45 – 3:30 pm	<ul style="list-style-type: none">• Stakeholder Questions/Discussion• Next Steps

Roles and Responsibilities

- **Reclamation**
 - Host/facilitate workshops
 - Develop/prepare workshop materials
 - Provide information to the stakeholders
 - Gather your input and understand your interests
- **Stakeholder Representatives**
 - Attend all four workshops
 - Provide input
 - Arrive prepared to understand and discuss
 - Disseminate workshop information to other stakeholders

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Roles and Responsibilities

- **General Public**
 - Attend workshops
 - Provide written comments
- **Technical Consultants (CDM Team)**
 - Support policy development effort
 - Provide technical analysis, as needed
 - Stakeholder engagement/public outreach

Workshop Ground Rules

- **Listen actively**
 - Try to understand the basic interests of the presenter
 - If uncertain, restate what you heard in your own words
- **Provide input**
 - Use microphones so all can hear
 - Be focused and brief
 - Share information, ideas and concerns
- **Exercise courtesy and respect**
 - Be respectful; no put-downs/derogatory language
 - Leave “space” for others to speak
- **Hold questions until Q&A**

M&I WSP History

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M&I WSP History

- **Importance of M&I reliability**
 - Recognition of reliability needs (When?)
 - Factors contributing to recognition (Why?)
- **Early development stages**
 - Pre-policy discussions
 - **1994 Draft Policy**
 - Considerations for development
 - Legal force and effect
 - Implementation

M&I WSP History

- **1997 CVPIA Administrative Proposal**
 - Purpose
 - Agency implementation
 - Foundation for future shortage policy

M&I WSP History

- **2001 Draft M&I WSP**
 - Framework
 - NEPA
 - 2005 M&I WSP EA/FONSI
- **Summary**

M&I WSP Evolution

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M&I WSP Evolution

Primary WSP development components:

- 1997 CVPIA Administrative Proposal on Urban Water Supply Reliability
- 2001 Draft M&I Water Shortage Policy
- 2005 M&I Water Shortage Policy EA/FONSI

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M&I WSP Evolution

- **1997 CVPIA Administrative Proposal**
 - **Addressed 3 key issues:**
 - **Minimum level of reliability to urban water contractors**
 - **Consideration of non-CVP supplies**
 - **Reliability of converted/transferred water**

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M&I WSP Evolution

- **2001 Draft M&I WSP**
 - Based on elements of 1997 Administrative Proposal
 - Establish a minimum water supply levels
 - Adjustments to historic use:
 - Growth
 - Extraordinary water conservation measures
 - Non-CVP water used
 - Adjustments consider protection of other water supplies developed by water contractors

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M&I WSP Evolution

- **2001 Draft M&I WSP**
 - **Key element:**
 - Shortage sharing between agricultural and M&I water users

Irrigation (% of contract entitlement)	M&I (% of adjusted historic use)
100%	100%
95%	100%
90%	100%
85%	100%
80%	100%
75%	100%
70%	95%
65%	90%
60%	85%
55%	80%
50-25%	75%

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Current M&I WSP

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Current M&I WSP

- **2005 M&I WSP EA/FONSI**
 - Implemented changes to 2001 Draft M&I WSP
 - Key elements:
 - Levels of reliability:
 - Reliability based on projected M&I use as determined by “Water Needs Assessment” performed for long-term contracts renewal
 - Alternative water shortage allocation matrix adopted

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Current M&I WSP

- **2005 M&I WSP EA/FONSI**
 - **Key elements:**
 - Shortage sharing between agricultural and M&I water users

Irrigation (% of contract entitlement)	M&I
100%	100% of contract total
Between 75% and 100%	100% of contract total
70%	95% of historic use
65%	90% “ “
60%	85% “ “
55%	80% “ “
Between 25% and 50%	75% “ “
20%	**70% “ “
15%	**65% “ “
10%	**60% “ “
5%	**55% “ “
0%	**50% “ “

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Current M&I WSP

- **2005 M&I WSP EA/FONSI**

- **Key elements:**

- For M&I shortages below 75%, M&I allocation is the greater of X% of historic use or public health & safety level (to a maximum of 75% of historic use)
 - Adjustments to historic use:
 - Growth
 - Extraordinary water conservation measures
 - Non-CVP water used
 - Public health & safety

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Current M&I WSP

- **Case study: Coalinga**

Non-USBR Supply	0 AFY
CVP Supply	10,000 AFY
CVP Historic Use	7,189 AFY
60% of Historic Use	4,313 AFY
75% of Historic Use	5,392 AFY
Health & Safety	2,619 AFY

Current M&I WSP

- **Case study: El Dorado Irrigation District**

Non-USBR Supply	40,000 AFY
CVP Supply	7,550 AFY
CVP Historic Use	5,479 AFY
70% of Historic Use	3,835 AFY
100% of Historic Use	5,479 AFY
Health & Safety	5,473 AFY

Current M&I WSP

- **Case study: City of Roseville**

Non-USBR Supply	13,413 AFY
CVP Supply	32,000 AFY
CVP Historic Use	31,046 AFY
70% of Historic Use	21,732 AFY
100% of Historic Use	31,046 AFY
Health & Safety	9,053 AFY

Q&A Period

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Break

Reconvene at 10:45 am

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Need/Value in M&I WSP Review

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Need/Value in M&I WSP Review

- **Changed conditions since 2005:**
 - **Current environmental/operational conditions not considered in 2005 EA**
 - **New FWS and NFMS BiOps requirements**
 - **Greater frequency and magnitude of CVP water supply shortages**
 - **Delta uncertainty affects CVP & SWP supplies**

Need/Value in M&I WSP Review

- **More changes may need to be considered:**
 - Climate change
 - Delta crisis, smelt population decline beginning in 2005, more protection and legal decisions
 - Bay Delta Conservation Plan (BDCP)
 - Delta Vision / Bay-Delta Stewardship Council
 - Ag land-use conversion from row crops to permanent crops (trees and vines)
 - Changes in population growth projections and corresponding water demands

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Need/Value in M&I WSP Review

- **Other WSP issues:**
 - Fundamental assumptions in 2005 EA have changed
 - Additional operational strategies need to be considered
 - Changing agricultural practices need to be examined
 - M&I contractor concerns regarding allocations and adjustment methods

Need/Value in M&I WSP Review

- **Stakeholder comments on WSP interpretation:**
 - How to calculate public health & safety levels?
 - What is historic use and what does it really mean?
 - How should historic use be calculated?
 - How should recycled water be treated?
 - What does supplemental supply really mean?
 - Is CVP water supplemental or primary?

Morning Session Summary

- **Review / questions for clarification:**
 - Purpose of the M&I WSP
 - History of the M&I WSP
 - Current M&I WSP
 - What's prompting consideration of M&I WSP update?
 - Who's participating in these discussions?
 - What's your role?
 - What's Reclamation's role?

Q&A Period

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Lunch Break

- On your own
- See map of suggested restaurants
- Reconvene at 1:30 pm

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Current Perspectives of M&I WSP

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Current Perspectives of M&I WSP

- **Reclamation Perspectives:**
 - Shortages may no longer occur only as result of droughts
 - Shortages may occur CVP system-wide or regionally
 - Frequency and intensity of shortages may increase

Current Perspectives of M&I WSP

- **Top concerns identified through the stakeholder questionnaires**
 - Historical use baseline
 - Minimum shortage allocation
 - M&I vs. irrigation reduction
 - Public health & safety definition
 - Others?

M&I WSP Development Process/Timeline

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M&I WSP Development Process/Timeline

- **Four workshops:**
 - #1 – May 26 (today's workshop)
 - #2 – June 23
 - #3 – July 20
 - #4 – August 19
- **All workshops:**
 - Red Lion Hotel, 1401 Arden Way, Sacramento, CA
- **Time: 9 am to 3 pm**

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M&I WSP Development Process/Timeline

- **Options for how to proceed:**
 - **Maintain current policy, with clarification of terms and definitions**
 - **Amend current M&I WSP**
 - **Develop new M&I WSP**

Afternoon Session Summary

- **Review / questions for clarification:**
 - Reclamation interests and issues
 - Contractor interests and issues
 - Recent experiences with M&I WSP implementation
 - Process of developing the M&I WSP

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Q&A Period

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Next Steps

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Stakeholder Considerations

- **Primary focus of policy review:**
 - Language
 - Interpretation
 - Implementation

Stakeholder Information Needs

- What information is needed from Reclamation to make stakeholder engagement and input more meaningful and productive?
- What other Information would stakeholders like to see covered in upcoming workshops?
- Other stakeholder information needs?

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Next Steps

- **Next workshop:**
 - June 23, 2010 at 9:00 am
 - Red Lion Hotel, 1401 Arden Way, Sac., CA
 - Review agenda
- **Provide input & information by June 11, 2010 to:**
 - USBR: Tammy LaFramboise
tlaframboise@usbr.gov
- **Updates and new information available on M&I WSP Website -** <http://www.usbr.gov/mp/cvp/mandi/index.html>

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