Municipal and Industrial Water Shortage Supply Policy
Guidelines and Procedures
Purpose

• Reclamation developed these guidelines to ensure consistent and equitable implementation of the Municipal and Industrial (M&I) Water Shortage Policy (WSP) throughout the Central Valley Project (CVP) for those Contractors subject to the M&I WSP. These guidelines primarily focus on the administrative process and calculations of Public Health and Safety (PHS) and possible adjustments to a Contractor’s Historical Use.
Purpose

• Define water shortage terms and conditions for applicable CVP Contractors.

• Determine the quantity of water made available to CVP Contractors from the CVP that; together with the M&I Contractors’ drought water conservation measures and other Non-CVP water supplies, would assist the M&I Contractors in their efforts to protect public health and safety during severe or continuing droughts.

• Provide information to Contractors for their use in water supply planning and development of drought contingency plans.
General

• The M&I WSP is intended to provide clear and objective guidelines on the water supplies available from the CVP during a Condition of Shortage, thereby allowing CVP Contractors to know when, and by how much, water deliveries may be reduced in drought and/or other low water supply conditions.
General

The M&I WSP does not apply to:

1) CVP water service or repayment contractors with contracts that do not reference the M&I WSP;

2) Settlement, exchange, or other types of contracts or agreements in satisfaction of senior water rights; or

3) CVPIA refuge contracts.
For an M&I contractor to be eligible for adjustment to its CVP water supply, the contractor’s water service contract must reference the M&I WSP.

In addition, the CVP contractor must:

a) have developed and be implementing a water conservation plan that meets the current CVPIA criteria;

b) be measuring such water consistent with section 3405(b) of the CVPIA;

c) have and be implementing a drought contingency plan designed to protect public health and safety;

d) demonstrate a ‘need’ for additional water.
Allocation of CVP Water Supplies

• For any given water year, the Allocation of CVP water supplies is based upon forecasted reservoir inflows and Central Valley hydrologic conditions, amounts of storage in CVP reservoirs, regulatory requirements, and management of Section 3406(b)(2) resources and refuge water supplies in accordance with implementation of the Central Valley Project Improvement Act (CVPIA).
Allocation of CVP Water Supplies

• Under a Condition of Shortage, Contractors may experience unique circumstances that are not addressed in these guidelines. Reclamation will work with Contractors to address these unique circumstances as they occur.

• To ensure continued compliance with applicable federal and state laws, federal authorities, and CVP operational plans, Reclamation will update or revise these guidelines, as necessary.
Guidelines for Implementation

• PUBLIC HEALTH AND SAFETY: The amount of water determined to be necessary to sustain PHS is currently calculated to equal \( D + CI + I + L \)

Where¹:

²Domestic use (D) = Current Population \times 55 \text{ gallons per capita per day}³

Commercial and Institutional (CI) = 70\% \text{ of Projected Commercial Demand}

Industrial (I) = 70\% \text{ of Projected Industrial Demand}

System (Conveyance) Losses (L) = 10\%

• Based on the severity of the Condition of Shortage, Reclamation may adjust the CI, and I percentages of demands to ensure domestic use needs are met throughout the CVP.
Guidelines for Implementation

• Determining Allocations for Contracts with Irrigation and M&I Water Supplies: Several Reclamation Contractors have both irrigation and M&I water supplies contracts (mixed contract); however, there is not a quantity of water associated for each use under contract.

• In most water service contracts, it states, “Project water furnished under this contract will be allocated in accordance with the then-existing Project M&I Water Shortage Policy. Under the M&I WSP, irrigation allocations for mixed contracts will be calculated as follows:
Guidelines for Implementation

• (Total Contract Quantity – M&I Historical Use) X Irrigation Allocation Percentage = Irrigation Water Available Under Contract (expressed as a quantity)

For example:

  Total Contract Supply = 10,000 AF
  Three Year M&I Historic Use = 2,000 AF
  Irrigation Allocation Percentage = 50%

Irrigation allocation: (10,000 AF – 2,000 AF) * 50% = 4,000 AF for irrigation water available under contract.
Guidelines for Implementation

• Before allocation of M&I water to a contractor will be reduced, allocation of irrigation water will be reduced below 75 percent of Contract Total, as shown in the table.
### Allocation of Irrigation and M&I Water Supply
**Under a Condition of Shortage**

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<th>Irrigation Allocation (% of contract entitlement)</th>
<th>M&amp;I Allocation (1)</th>
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(1) Nothing in this policy prevents M&I allocation from being reduced below 50% if CVP water availability is insufficient to meet the 50% allocation.
Guidelines for Implementation

• Reclamation will strive to deliver CVP water to M&I water service contractors at not less than the amount needed to meet PHS need, taking into consideration contractors’ CVP allocations and available non-CVP supplies, provided CVP water is available, if:

  (a) The Governor declares an emergency due to water shortage applicable to that contractor or

  (b) Reclamation, in consultation with the contractor, determines that an emergency exists due to water shortage.

• Reclamation may determine that it is necessary to vary the allocation of M&I water by contractor, taking into consideration a contractor’s available non-CVP water supply.
RECLAMATION
Managing Water in the West

Central Valley Project Municipal and Industrial Water Shortage Policy Guidelines and Procedures
EFFECTIVE DATE: FEBRUARY 1, 2017

INTRODUCTION
The Bureau of Reclamation (Reclamation) prepared the Central Valley Project (CVP) Municipal and Industrial (M&I) Water Shortage Policy (WSP) Environmental Impact Statement (EIS) to evaluate the potential impacts of CVP M&I WSP alternatives. A Record of Decision was signed on November 13, 2013, to implement Alternative 4 (Appendix A), Updated M&I WSP (selected alternative). The purposes of the M&I WSP are to:

- Define water shortage terms and conditions for applicable CVP Customers
- Determine the quantity of water made available to CVP Customers from the CVP that, together with the M&I Customers’ drought water conservation measures and other Non-CVP water supplies, would assist the M&I Customers in their efforts to protect public health and safety (PHS) during severe or continuing droughts.
- Provide information to Contractors for their use in water supply planning and development of drought contingency plans.

APPLICABILITY
These guidelines apply to Contractors whose CVP contracts (Contracts) reference the M&I WSP. A complete listing of Contractors subject to the M&I WSP is located in Appendix B of this document.

PURPOSE
Reclamation developed these guidelines to ensure consistent and equitable implementation of the M&I WSP throughout the CVP for those Contractors subject to the M&I WSP. These guidelines primarily focus on the administrative process and calculations of PDS and possible adjustments to a Contractor’s Historial Use.

GENERAL
The M&I WSP is intended to provide clear and objective guidelines on the water supplies available from the CVP during a Condition of Shortage, thereby allowing CVP Contractors to know when, and by how much, water deliveries may be reduced in drought and/or other low water supply conditions. The M&I WSP will help Contractors better plan for and manage available CVP water supplies and better integrate the use of CVP water with other available Non-CVP water supplies.

For any given water year, the Allocation of CVP water supplies is based upon forecasted reservoir inflows and Central Valley hydrologic conditions, amount of storage in CVP reservoirs, regulatory requirements, and management of Section 13460(c)(2) resources and refuge water supplies in accordance with implementation of the Central Valley Project Improvement Project.

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https://www.usbr.gov/mp/cvp/mandi.html
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