# Appendix C
# Example Approach to Demonstrate Reduced Delta Reliance

## C.1 Introduction

An urban water supplier (Supplier) that anticipates participating in or receiving water from a proposed project (covered action[1]) such as a multi-year water transfer, conveyance facility, or new diversion that involves transferring water through, exporting water from, or using water in the Sacramento-San Joaquin Delta (Delta) should provide information in their 2015 and 2020 Urban Water Management Plans (UWMP's) that can then be used in the certification of consistency process to demonstrate consistency with Delta Plan Policy WR P1, *Reduce Reliance on the Delta Through Improved Regional Water Self-Reliance* (California Code Reg., tit. 23, § 5003).

In 1983, the California Legislature enacted the Urban Water Management Planning Act (Act). The law requires Suppliers, providing potable water for municipal purposes to more than 3,000 customers or serving more than 3,000 acre-feet annually, to adopt an Urban Water Management Plan (UWMP) every five years demonstrating water supply reliability in normal, single dry, and multiple dry years. Each UWMP must be adopted by the

[1] Cal. Code Regs., tit. 23, § 5001, subd. (j): A "Covered action" is defined as "an activity which may cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, or a reasonably foreseeable indirect physical change in the environment … "directly undertaken by any public agency""( Pub. Resources Code, § 21065) that (i) will occur, in whole or in part, within the boundaries of the Delta or Suisun Marsh, (ii) will be carried out, approved, or funded by the state or a local public agency, (iii) is covered by one or more provisions of the Delta Plan, and (iv) will have a significant impact on achievement of one or both of the coequal goals or the implementation of government-sponsored flood control programs to reduce risks to people, property, and state interest in the Delta."

Supplier's Governing Board and submitted to the California Department of Water Resources (DWR).

Delta Plan Policy WR P1 is one of fourteen regulatory policies in the Delta Plan. The Delta Plan is a comprehensive, long-term, legally enforceable plan guiding how federal, state, and local agencies manage the Delta's water and environmental resources. The Delta Plan was adopted in 2013 by the Delta Stewardship Council (DSC). Delta Plan Policy WR P1 identifies UWMPs as the tool to demonstrate consistency with state policy to reduce reliance on the Delta for a Supplier that carries out or takes part in a covered action.

This appendix provides an example approach for a Supplier to demonstrate a measurable reduction in reliance on Delta water supplies. Specific elements of this appendix include:

- Background: Delta Reform Act reduced reliance policy and the role of water conservation; and, overview of the Delta Plan and Policy WR P1; and
- Example Approach for Demonstrating Consistency with WR P1: Documenting and quantifying supplies contributing to reduced reliance on the Delta watershed and improved regional self-reliance.

## C.2 Background

### C.2.1 The Delta Reform Act

The Sacramento-San Joaquin Delta Reform Act of 2009 (Delta Reform Act) (Water Code section 85000 et seq), established the coequal goals for the Delta of "providing a more reliable water supply for California and protecting, restoring, and enhancing the Delta ecosystem."[2] These coequal goals must be achieved "in a manner that protects and enhances the unique cultural, recreational, natural resource, and agricultural values of the Delta as an evolving place."[3]

The Delta Reform Act also includes a state policy to reduce reliance on the Delta in meeting California's future water supply needs through a statewide

[2] Pub. Resources Code, § 29702; Wat. Code, § 85054.
[3] Wat. Code, § 85054.

strategy of investing in improved regional supplies, conservation and water use efficiency:

> The policy of the State of California is to reduce reliance on the Delta in meeting California's future water supply needs through a statewide strategy of investing in improved regional supplies, conservation, and water use efficiency. Each region that depends on water from the Delta watershed shall improve its regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects, and improved regional coordination of local and regional water supply efforts.[4]

Water demand management measures can help save water, which in some cases can help reduce the amount of water needed from various water sources. The use of these water management measures, combined with alternative sources of supply, may help local Suppliers reduce their reliance on water from the Delta.

### C.2.2 The Delta Plan

In addition to setting the coequal goals, the Delta Reform Act also created the DSC, which is tasked with furthering the state's coequal goals for the Delta through development and implementation of a Delta Plan.[5] While the Delta Reform Act and the Delta Plan are often referred to interchangeably, the Delta Reform Act contains a variety of directives for multiple agencies, whereas the Delta Plan, as discussed in more detail below, is the implementation framework for a number of those directives. The Delta Plan is a comprehensive, long-term resource management plan for the Delta, containing both regulatory policies and recommendations, aimed at furthering the coequal goals and promoting a healthy Delta ecosystem.[6]

The Delta Plan provides a distinct regulatory process for activities that qualify as covered actions. The Delta Reform Act established a self-certification process for demonstrating consistency of covered actions with

[4] Wat. Code, § 85021.
[5] Wat. Code, §§ 85300, subd. (a), 85302, subd. (a).
[6] Wat. Code, §§ 85059, 85300, subd. (a), 85302, subd. (a).

the Delta Plan.[7] State and local public agencies proposing covered actions, prior to initiating the implementation of that action, must prepare a written certification of consistency with detailed findings as to whether the covered action is consistent with applicable Delta Plan policies and must submit that certification to the DSC.[8]

### C.2.3 Policy WR P1

Delta Plan Policy WR P1 is relevant to a Supplier that is participating in or carrying out a proposed covered action or receiving Delta water from a proposed covered action. Examples of such covered actions include multi-year water transfers, conveyance facilities, or new diversions that involve transferring water through, exporting water from, or using water in Delta. WR P1 states that water shall not be exported from, transferred through, or used in the Delta if all of the following apply:

> (a) One or more Suppliers that would receive water as a result of the export, transfer, or use have failed to adequately contribute to reduced reliance on the Delta and improved regional self-reliance consistent with all of the requirements listed in paragraph (1) of subsection (c);
>
> (b) That failure has significantly caused the need for the export, transfer, or use; and
>
> (c) The export, transfer, or use would have a significant adverse environmental impact in the Delta.

Section (c)(1) of WR P1 states that commencing in 2015, Suppliers that have (A) completed an urban water management plan, (B) implemented the efficiency measures in that plan, and (C) shown a measurable reduction in Delta reliance and improvement in regional self-reliance in the plan, are contributing to reduced reliance on the Delta and consistent with WR P1.[9]

Specifically, the California Code of Regulations, Title 23, § 5003(c)(1) states:

[7] Wat. Code, § 85225.
[8] Wat. Code, § 85225.
[9] California Code of Regulations, Title 23, § 5003(c)(1).

> Water suppliers that have done all the following are contributing to reduced reliance on the Delta and improved regional self-reliance and are therefore consistent with this policy:
>
> > (A) Completed a current Urban or Agricultural Water Management Plan (Plan) which has been reviewed by the California Department of Water Resources for compliance with the applicable requirements of Water Code Division 6, Parts 2.55, 2.6, and 2.8;
> >
> > (B) Identified, evaluated, and commenced implementation, consistent with the implementation schedule set forth in the Plan, of all programs and projects included in the Plan that are locally cost effective and technically feasible which reduce reliance on the Delta; and
> >
> > (C) Included in the Plan, commencing in 2015, the expected outcome for measurable reduction in Delta reliance and improvement in regional self-reliance. The expected outcome for measurable reduction in Delta reliance and improvement in regional self-reliance shall be reported in the Plan as the reduction in the amount of water used, or in the percentage of water used, from the Delta watershed. For the purposes of reporting, water efficiency is considered a new source of water supply, consistent with Water Code section 1011(a).

As noted in section (C) above, demonstrating reduced reliance on Delta water supplies was anticipated to commence with the 2015 UWMPs and expected for each UWMP plan cycle thereafter for those agencies that take part or will take part in a covered action.

CCR, Title 23, § 5003(c)(1) is followed by a description of programs and projects that reduce reliance on the Delta. As further stated in the CCR, Title 23, § 5003(c)(2):

> Programs and projects that reduce reliance could include, but are not limited to, improvements in water use efficiency, water recycling, stormwater capture and use, advanced water technologies, conjunctive use projects, local and regional water supply and storage projects, and improved regional coordination of local and regional water supply efforts.

## C.3 Example Approach for Demonstrating Consistency with WR P1

This document provides an example for Suppliers on how they may be able to demonstrate consistency with WR P1, namely subdivisions (c)(1)(B) and (c)(1)(C), enabling them to document and quantify supplies contributing to reduced reliance on the Delta watershed and improved regional self-reliance.

The method used in this example is designed to enable a Supplier to document its unique circumstances and produce quantified information that can be used in future certifications of consistency with WR P1 for potential future water supply covered actions in the Delta. In addition, while the method used here can serve as guidance, it is not a mandate. As such, each Supplier retains discretion to document reduced reliance in other ways or not at all. However, failure to document reduced reliance in a Supplier's UWMP may impede or block the participation of the Supplier in future water supply covered actions in the Delta.

The example approach in this Appendix is designed to produce data and information covering the 2015 UWMP as well as the 2020 UWMP and subsequent plan cycles. (Suppliers furnishing information for the 2015 UWMP may want to amend that plan as discussed further below.)

To document and quantify supplies contributing to reduced reliance on the Delta watershed and improved regional self-reliance, there are a number of issues to be considered. The subsequent sections include discussion of the following issues and steps:

- Setting a Baseline
- Change in Delivery of Delta Water
- UWMP WR P1 Consistency Reporting
- Example Data Analysis and Supporting Documentation
- Steps in Example Approach
- Documenting Implementation Actions

### C.3.1 Setting a Baseline

To demonstrate reduced reliance on the Delta, water suppliers need to compare current or future Delta water use with a baseline. This baseline is the amount of Delta water used historically that will be compared to current

and projected future Delta water use in order to calculate how Delta water use and regional self-reliance have changed over time.

Some factors to consider in selecting a baseline period:

- **Baseline Year(s).** Water supplies and water use (demand) varies from year to year because of hydrology, regulatory actions, growth and development, as well as other factors, which must be taken into consideration when selecting or calculating the baseline. A single year of actual supplies or an average of a range of years may or may not adequately characterize water supply and use for assessing whether or not reliance on Delta water has decreased. UWMP-reported normal or average year conditions typically incorporate a large range of hydrologic conditions on forecasts of supplies and demands and reflect the average of all modeled hydrologic outcomes under normal demand (usage) conditions.
- **Consistent, fixed baseline.** Using the same, fixed baseline in each UWMP allows Suppliers to have a consistent value with which current and future Delta water use can be compared. If a changing baseline is used (e.g., baseline extended five years for each UWMP cycle), projected use would be compared against years in which the Supplier already implemented water saving actions for reduced reliance on the Delta; this would not accurately reflect overall reduction in Delta reliance.
- **Baseline documentation.** It is important that Suppliers clearly identify the baseline year, data sources used, data used, and the rationale for the selected baseline. Suppliers may also wish to report margins of error in their baseline value.

### C.3.2 Change in Delivery of Delta Water

Once the baseline has been established, Suppliers can then quantify the expected outcomes for reductions in reliance on supplies from the Delta watershed compared to that baseline.

#### C.3.2.1 Calculating Current Conditions

Ideally, the baseline and expected outcomes would be provided on a basis that is consistent and reflects average or normal year conditions rather than actual conditions for the current year. This concept is described in more

detail in the discussion of “Key Data Considerations”, below. The “Key Data Considerations” section also provides a discussion of alternative options if the needed data is unusable or not included in a Supplier’s UWMP.

Suppliers may use their 2015 and 2020 UWMPs’ reported normal water supplies to calculate change in water use between baseline and the current UWMP in order to demonstrate reduced Delta reliance. However, to demonstrate consistency with WR P1, water suppliers will also have to show the expected, or future projected, reliance on the Delta.

#### C.3.2.2 Calculating Future Water Use Projections

In order to provide “the expected outcome for measurable reduction in Delta reliance”, the demonstration of reduced reliance will need to also include projected future Delta water use and compare that to baseline water use. Although projecting future conditions may be replete with complicated variables, most Suppliers can obtain reasonably available information to address future long-term water use trends. The 2015 and 2020 UWMP-projected water supply and use data will provide at least 20 years of projected water use and supply information and a 20-year planning horizon is consistent with the UWMP water service reliability assessment.

There are key considerations for using UWMP data to demonstrate reduced reliance on Delta water described in the section on Key Data Considerations below.

### C.3.3 UWMP WR P1 Consistency Reporting

As noted earlier, Section (c)(1) of WR P1 states that commencing in 2015 Suppliers that have (A) completed an urban water management plan, (B) implemented the efficiency measures in that plan, and (C) shown a measurable reduction in Delta reliance and improvement in regional self-reliance in the plan, are contributing to reduced reliance on the Delta and consistent with WR P1. The UWMP WR P1 Consistency Reporting could be included in an appendix of the 2020 UWMP or as an addendum to an amended 2015 UWMP.

If a Supplier did not include this information in their 2015 UWMP, they may not be able to demonstrate consistency with WR P1 (c)(1)(C). In this case, it is recommended that the Supplier amend their 2015 UWMP to include the

information that was originally expected to be in the 2015 UWMP.

It also is recommended that Suppliers use the same baseline for both the 2015 and 2020 UWMPs.

### Procedure for Amending 2015 UWMP for WR P1 Consistency Reporting

To provide substantial evidence to demonstrate consistency with WR P1, Suppliers that did not include information in their 2015 UWMP that demonstrates consistency with WR P1, may want to amend their 2015 UWMP in addition to including it in their 2020 UWMPs.

A 2015 UWMP can be amended by using the same approach and documentation for demonstrating WR P1 consistency that the Supplier develops for the 2020 UWMP, provided that this analysis also includes information for 2015. In other words, the Supplier can prepare one analysis to address both 2015 and 2020 consistency reporting and include the same analysis in both the 2015 and 2020 UWMP.

Suppliers may also elect to amend their 2015 UWMPs concurrent with adoption of their 2020 UWMPs. However, if they choose to follow this amendment process, Suppliers should be clear that they are amending their 2015 UWMP only for WR P1 consistency and that this action is separate from adoption of the 2020 UWMP. All public notifications, news publications (Gov Code 6066), and adoption procedures per the Water Code must be adhered to. A checklist has been included at the end of this Appendix to assist Suppliers in making sure amendment notifications have been completed in accordance with Water Code.

## C.3.4 Key Data Considerations

This section describes some data and documentation considerations that may help Suppliers as they work through quantifying reduced reliance on Delta water.

#### C.3.4.1 Actual vs. Average-Year Data

For the purposes of quantifying reduced reliance, it is best that data provided reflect an average-year or normal condition, not actual conditions. Actual conditions in a single year are highly influenced by the hydrologic

conditions in that year, as well as additional things such as the implementation of statewide conservation regulations and economic factors. Normal or average-year projected conditions incorporate the effects of a large range of hydrologic conditions on forecasts of supplies and demands. Generally, the normal or average-year results shown in a UWMP reflect the average of all modeled hydrologic outcomes under normal demand (usage) conditions.

### C.3.4.2 Missing or Unusable UWMP Data

A Supplier's UWMP may not include all the data required to complete this quantification. For example, if a Supplier met Water Code requirements but didn't provide certain data needed for this analysis in their 2015 UWMPs or potentially included data for 2015 that reflects actual conditions, rather than average-year conditions. In these cases, the missing or unusable data could be filled in from a previous UWMP or from other documentable sources. This should be documented and explained if used for this exercise.

In some cases, a Supplier may not have an UWMP or an UWMP with usable data prior to the development of the current UWMP. This could occur for several reasons. For example a Supplier may not have previously been required to complete a UWMP or a Supplier's service area may have changed substantially because of annexations or de-annexations. In these cases, data may need to be obtained from other documentable sources or potentially from other Suppliers' UWMPs. This should also be documented and explained if used for this exercise.

### C.3.4.3 Ensuring Consistent Use of Wholesale and Retail Data

Quantifying reduced reliance can be completed by both wholesale and retail Suppliers in the UWMP. However, care should be taken to ensure that data is being presented in a consistent manner. For example, if demands are determined at the wholesale level and population is determined at the retail level, the following example approach to Quantifying Water Use Efficiency Supply Volume cannot be completed properly.

To ensure that data is used properly across the wholesale and retail levels, Suppliers may need to coordinate their data with other Suppliers or reference the UWMPs or other planning documents of other Suppliers. For example, Suppliers that participate in conjunctive use basins may need to

refer to the numbers provided by a regional water resource management agency.

#### C.3.4.4 Available Data

Based on requirements of the UWMP Act, Suppliers must include information on their water supply, for each supply source, for a normal year, single dry year, multiple dry years, and project water supplies under these conditions in their 2020 UWMP. In the 2015 UWMP, Suppliers reported the current (Table 6-8) and projected (Table 6-9) water supply but did not have to report on supplies from each source and may have summarized supplies in basic categories such as, “Purchased or Imported Water”.

To look at reduced Delta reliance, alternative sources of data may be necessary. These data may include water supplies that have moved through the Delta. Delta supplies in this category may consist of water supplies (a) delivered under contract, (b) made available through surplus conditions, and/or (c) acquired through transfer or exchange. These historic deliveries could then form the baseline for assessing changes in Delta reliance.

Alternative data sources will vary from Supplier to Supplier but should be documentable and preferably published or publicly adopted, as appropriate. Examples of alternative data sources include, but are not limited to:

- UWMPs of other Wholesale or Retail Agencies
- SGMA Groundwater Sustainability Plans and models
- DWR Delivery Capability Reports
- Integrated Resources Plans
- Water Supply Master Plans
- Annual Reports
- Recycled Water Master Plans or Annual Reports
- Long-term Conservation Plans
- Reliability Studies

### C.3.5 Example Data Analysis and Supporting Documentation

WR P1 subdivision (c)(1)(C) states that reductions in Delta reliance and improvements in regional self-reliance shall be reported in the UWMP as

either an amount of water used or as a percentage of water used. The methodology provided in this example can generate both the amount of water used and the percentage of water used.

The following sections provide an example of how the expected outcome of measurable reduction in Delta reliance can be calculated. This example uses the 20-year planning horizon required for the 2020 UWMP water service reliability assessment with the same option to extend the horizon an additional five-years. Data needed to complete these calculations can typically be found in tables that are already included in UWMPs based on the requirements of the Urban Water Management Planning Act.

The reduced reliance analysis should also include the following documentation:

- A narrative and justification describing which water supplies are included in the accounting of "Water Supplies that Contribute to Regional Self-Reliance", and "Water Supplies from the Delta Watershed", and which are not.
- Documentation of specific sources of data, including table numbers or text locations if from a published plan.
- A detailed description of the methods used. If the example approach is used, it can be cited as the methodology with any departure from this approach described and documented.

#### C.3.5.1 Example Baseline: 2010

This example uses 2010 as a baseline because the Delta Reform Act was enacted in 2009 and became effective in 2010.

#### C.3.5.2 Data construct for use in 2015 and 2020 UWMPs

Given this example's 2010 baseline, Suppliers could provide quantification in their UWMP that would look like the example data construct in Figure 1. The example includes data that allows it to be used for both the 2015 UWMP amendment and 2020 UWMP. This data construct could be updated in subsequent UWMP development cycles, with the 2010 baseline remaining in

place and the expected outcomes rolling forward to reflect the reporting requirements of the current UWMP[10].

Figure 1. Example Data Construct for Reporting Expected Outcomes in UWMPs

| Baseline | Expected Outcomes | | | | | | |
|---|---|---|---|---|---|---|---|
| 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |

Both baseline and expected outcomes values would ideally reflect average or normal year conditions rather than actual. This concept is described in more detail in the discussion of "Key Data Considerations", above.

### C.3.6 Steps for Example Approach

This example describes methods Suppliers can use to provide data and analysis that can be used to demonstrate their reliance on Delta water. There are four steps to this process as follows:

1. Quantifying the water use efficiency supply volume - for Suppliers that do not already provide this information in their UWMP's
2. Quantifying total water supplies - for Suppliers that quantified water use efficiency savings separate from total water demands
3. Quantifying water supplies that contribute to regional self-reliance
4. Demonstrating reduced reliance on water supplies from the delta watershed

#### Step 1: Quantifying Water Use Efficiency Supply Volume

According to WR P1(c)(1)(C), water use efficiency savings are considered a source of water supply. Suppliers that do not explicitly quantify water use efficiency savings in their UWMPs can potentially calculate their embedded water use efficiency savings based on changes in forecasted per capita water use since the baseline. Once calculated, the embedded water use efficiency savings can be added to the expected outcome of water supplies that contribute to regional self-reliance.

[10] Water Code, § 10631, subdivision (a) states that UWMP data reporting "shall be in five-year increments to 20 years or as far as data is available".

This calculation of per capita water use efficiency savings as an additional supply (WUE Supply) can only be done if the Supplier's demands and population estimates reflect full retail-level data. If there is a mismatch between demand and population (i.e. wholesale-level demand and retail-level population) this calculation cannot be completed properly.

Suppliers that provide a forecast that already explicitly quantifies the water use efficiency savings in their UWMPs do not need to complete this calculation – they have already reported the WUE Supply. Instead, these Suppliers need to calculate the total water supply as described in Step 2, Quantifying Total Water Supplies.

It should be noted that the results of this calculation will likely differ from what a Supplier would calculate under the Water Conservation Act of 2009 (SB X7-7). This example calculation is specific to quantifying WUE Supply for the purposes of demonstrating consistency with WR P1; WUE Supply used for this purpose is based on the example 2010 baseline, whereas the 20x2020 targets and tracking data use a different, longer-term baseline.

Table C-1 provides an illustration of data needed to complete the calculation of WUE Supply. The cells highlighted in blue are automatically calculated in tables provided as part of "Appendix C Example Approach for WR P1 Consistency Workbook" (Appendix C Workbook). The methodology and specific formulas used in this table are described in detail below. Please review the "Key Data Considerations" section above for additional guidance concerning the use of average-year data and how to treat missing or unusable UWMP data.

Table C-1. Example Data Table for Determining WUE Supply

**Optional Calculation of Water Use Efficiency -To be completed if Agency does not specifically estimate Water Use Efficiency as a supply**

| Service Area Water Use Efficiency Demands (Acre-Feet) | Baseline (2010) | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Service Area Water Demands without Water Use Efficiency | | | | | | | | |
| Non-Potable Water Demands | | | | | | | | |
| Potable Service Area Demands without Water Use Efficiency | - | - | - | - | - | - | - | - |

| Total Service Area Population | Baseline (2010) | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Service Area Population | | | | | | | | |

| Water Use Efficiency Since Baseline (Acre-Feet) | Baseline (2010) | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Per Capita Water Use | | | | | | | | |
| Change in Per Capita Water Use from Baseline | | | | | | | | |
| Estimated Water Use Efficiency Since Baseline | | | | | | | | |

In this step, the first task is to adjust total service area demands to reflect only demands that can implement water use efficiency measures (i.e.,

potable residential, agricultural, and commercial, industrial and institutional demands) but still includes the embedded WUE Supply. Demands for non-potable supplies, such as recycling or groundwater recharge, are subtracted from the total service area demands; this is done to reflect the demand hardening aspects of non-potable supplies[11].

Service Area Water Demands without Water Use Efficiency Savings Accounted For – Non-Potable Water Demands = Potable Service Area Demands without Water Use Efficiency Savings Accounted For (AF)

Next, the resulting potable service area demands are divided by the service area population to get per capita water use in the service area:

Potable Service Area Demands without Water Use Efficiency Savings Accounted For / Current or Projected Service Area Population = Current or Projected Per Capita Water Use (AF/person)

The incremental change in per capita water use over time can then be calculated as:

Baseline Per Capita Water Use – Current or Projected Per Capita Water Use = Current or Projected Change in Per Capita Water Use from Baseline (AF/person)

Finally, the changes in per capita water use over time can be applied back to the service area population to calculate the estimated WUE Supply (water use efficiency savings).

Current or Projected Change in Per Capita Water Use from Baseline * Service Area Current or Projected Population = Current or Projected Estimated WUE Supply since Baseline (AF)

[11] Non-potable supplies have a demand hardening effect due to the inability to shift non-potable supplies to meet potable water demands. When water use efficiency or conservation measures are implemented, they fall solely on the potable water users. This is consistent with the approach for water conservation reporting used by the State Water Resources Control Board.

This estimated WUE Supply can be considered an additional supply that may be used to show reduced reliance on Delta water supplies.

### Step 2: Quantifying Total Water Supplies

This example approach to characterizing water supplies calculates the percentage of water used in terms of average-year demands, rather than average-year supplies. Using average-year demands serves as a surrogate for average-year supplies, which helps alleviate issues associated with how supply capability is presented to fulfill requirements of the UWMP Act versus how supplies might be accounted for to demonstrate consistency with WR P1[12].

In order to calculate the percentage of Delta water used in terms of average-year demands, Suppliers will need to quantify the total supplies, which includes the water use efficiency savings attributable to potable water supplies (refer to Step 1).

Suppliers that already explicitly calculate and include water use efficiency savings in their UWMP water use characterization and projections will need to make an adjustment. These Suppliers must add their water use efficiency savings back into their demands to get the surrogate total water supply volumes (total water demand without water use efficiency savings accounted for). Service area demands that do not separate out the savings attributed to water use efficiency are needed to properly calculate changes in regional self-reliance; without this adjustment, the effect of water use efficiency savings would be overestimated. This is done by:

Service Area Water Demands with Water Use Efficiency Savings Accounted For + Reported WUE Supply = Service Area Water Demands without Water Use Efficiency Savings Accounted For (AF)

[12] Water Code, § 10631, subdivision (f) states that UWMP's shall "include a description of all water supply projects and water supply programs that may be undertaken by the Supplier to meet the total projected water use…". The description of all water supply projects and programs available may be greater than is needed to meet the total projected water use; under average conditions all water supply projects and programs may not be needed to meet demands.

Table C-2. Example Table to Calculate Total Water Supplies.

| Optional Calculation of Service Area Water Demands Without Water Use Efficiency - To be completed if Agency specifically estimates Water Use Efficiency as a supply | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Total Service Area Water Demands (Acre-Feet) | Baseline (2010) | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
| Service Area Water Demands with Water Use Efficiency | - | - | - | - | - | - | - | - |
| Water Use Efficiency | | - | - | - | - | - | - | - |
| Service Area Water Demands without Water Use Efficiency | - | - | - | - | - | - | - | - |

Suppliers that completed Step 1 would simply record information from Table C-1 in Table C-2 of the Appendix C Example Workbook.

### Step 3: Quantifying Water Supplies that Contribute to Regional Self-Reliance

For a covered action to demonstrate consistency with the Delta Plan, WR P1 subdivision (c)(1)(C) requires that Suppliers report in the UWMP the expected outcome for measurable improvement in regional self-reliance as a reduction in water used from the Delta watershed. WR P1 does not require that water Suppliers demonstrate measurable improvement in regional self-reliance directly. However, to the extent practicable, it is recommended that Suppliers quantify their investments that contribute to regional self-reliance. Taking this extra step provides documentation that could help support a certification of consistency for future water supply projects that are covered actions. In addition, it provides a potential alternative accounting of reduced reliance for Suppliers that may not be able to demonstrate a reduction in Delta supplies, or for Suppliers that may not have access to the data required to calculate reduced reliance in terms of water used from the Delta watershed[13]. In addition, this quantification provides Suppliers with an opportunity to highlight the efforts they have taken to build a resilient water supply portfolio that relies on local and regional supplies working together with investments in water supplies from the Delta watershed.

WR P1 subdivision (c)(2) describes the types of water supplies that are assumed to contribute to reduced reliance:

[13] Water Code, § 85021, The policy of the State of California is to reduce reliance on the Delta in meeting California's future water supply needs through a statewide strategy of investing in improved regional supplies, conservation, and water use efficiency. Each region that depends on water from the Delta watershed shall improve its regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects, and improved regional coordination of local and regional water supply efforts.

> Programs and projects that reduce reliance could include, but are not limited to, improvements in water use efficiency, water recycling, stormwater capture and use, advanced water technologies, conjunctive use projects, local and regional water supply and storage projects, and improved regional coordination of local and regional water supply efforts.

Using the types of water supplies listed in subdivision (c)(2), this example approach recommends aggregating supplies that contribute to regional self-reliance into the following categories.

- Water Use Efficiency
- Water Recycling
- Stormwater Capture and Use
- Advanced Water Technologies
- Conjunctive Use Projects
- Local and Regional Water Supply and Storage Projects
- Other Programs and Projects that Contribute to Regional Self-Reliance

It is unlikely that the categories of supplies shown above will be consistent with how agencies describe supplies in their UWMPs. Suppliers can use their own discretion in completing this quantification in terms of what supplies are included and in what category they are included. For example, a Supplier may choose to only include supplies that represent active investments in regional self-reliance, such as recycling, and omit supplies from more traditional sources, such as groundwater. This example approach includes Table C-3, which allows each Supplier to show its efforts to increase regional self-reliance, even when experiencing losses in other supplies due to uncontrollable factors such as contamination or climate change. Documentation should be provided describing what supplies are included in this inventory and in what category.

Table C-3 provides an example of the data needed to calculate total water supplies that contribute to regional self-reliance under a combined 2015 and 2020 UWMP construct. The cells highlighted in blue are calculated automatically in the tables provided in the Appendix C Example Workbook. Values for water use efficiency (WUE Supply) and service area demands

without water use efficiency savings accounted for should be consistent with what was calculated in the previous steps of this example approach.

Table C-3. Supplier Contribution to Regional Self-Reliance

| Water Supplies Contributing to Regional Self-Reliance (Acre-Feet) | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Water Use Efficiency | | | | | | | | |
| Water Recycling | | | | | | | | |
| Stormwater Capture and Use | | | | | | | | |
| Advanced Water Technologies | | | | | | | | |
| Conjunctive Use Projects | | | | | | | | |
| Local and Regional Water Supply and Storage Projects | | | | | | | | |
| Other Programs and Projects the Contribute to Regional Self-Reliance | | | | | | | | |
| Water Supplies Contributing to Regional Self-Reliance | | | | | | | | |

| Service Area Water Demands without Water Use Efficiency | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Service Area Water Demands without Water Use Efficiency | | | | | | | | |

| Change in Regional Self Reliance (Acre-Feet) | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Water Supplies Contributing to Regional Self-Reliance | | | | | | | | |
| Change in Water Supplies Contributing to Regional Self-Reliance | | | | | | | | |

| Change in Regional Self Reliance (As a Percent of Water Demand w/out WUE) | 2010 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
|---|---|---|---|---|---|---|---|---|
| Water Supplies Contributing to Regional Self-Reliance | | | | | | | | |
| Change in Water Supplies Contributing to Regional Self-Reliance | | | | | | | | |

Once the listed supply categories have been summed to determine the total water supplies contributing to regional self-reliance, the change in those supplies for each outcome year in the analysis can be quantified.

Baseline Water Supplies Contributing to Regional Self-Reliance – Outcome Year Water Supplies Contributing to Regional Self-Reliance = Change in Water Supplies Contributing to Regional Self-Reliance (AF)

Water supplies contributing to regional self-reliance can also be expressed as a percentage of the water demands without water use efficiency savings accounted for:

Water Supplies Contributing to Regional Self-Reliance / Service Area Water Demands without Water Use Efficiency Savings Accounted For = Water Supplies Contributing to Regional Self-Reliance (Percent of Demand)

The change in the percentage of regional water supplies can then be evaluated for each outcome year in the analysis to demonstrate increased regional self-reliance.

Baseline Percentage of Water Supplies Contributing to Regional Self-Reliance – Outcome Year Percentage of Water Supplies Contributing to Regional Self-Reliance = Change in Percentage of Water Supplies Contributing to Regional Self-Reliance (Percent of Demand)

### Step 4: Demonstrating Reduced Reliance on Water Supplies from the Delta Watershed

In order to demonstrate consistency with the Delta Plan, WR P1 subdivision (c)(1)(C) requires that Suppliers report in the UWMP the expected outcomes for measurable reductions in supplies from the Delta watershed either as a quantity (AF) or as a percentage of their water supply portfolios. To the extent feasible, this example approach recommends that a Supplier quantify supplies from the Delta watershed in the following categories:

- CVP/SWP Contract Supplies
- Delta/Delta Tributary Diversions
- Transfers and Exchanges Involving Delta/Delta Tributary Supplies
- Other Supplies from the Delta Watershed

As described in Step 3, "Quantifying Water Supplies that Contribute to Regional Self-Reliance", Suppliers can use their own discretion in determining what supplies should be included in these categories. For example, a Supplier that includes their SWP contract supplies in this analysis, might choose to exclude a single-year transfer; Suppliers may show a single-year transfer as a potential source of supply in their UWMP but may not normally use that supply to meet demands under average-year conditions. This approach helps alleviate issues associated with how supply capability is presented to fulfill requirements of the UWMP Act versus how supplies might be accounted for in demonstrating consistency with WR P1.

#### Future Covered Action Supplies

If a Supplier's UWMP includes supplies from future projects that are covered actions requiring a certification of consistency with the Delta Plan, these projects should be excluded from the accounting of supplies from the Delta Watershed for the consistency analysis. The quantification of reduced reliance described in this example approach could also be used in WR P1 subdivision (a)(2), which evaluates if a failure to reduce reliance significantly caused the need for the proposed water supply covered action. This cannot be done if the water supply from a covered action that will require a certification of consistency with WR P1 is included in the initial quantification. Once a water supply from a covered action has certified consistency with the Delta Plan, it may then be included in the inventory of supplies from the Delta Watershed in the next UWMP cycle. If necessary, this new certified

supply can also be included in the current UWMP through an amendment. Documentation should be provided as to what supplies are included in this inventory and in what category.

The following table provides an example of the data needed to calculate water supplies from the Delta watershed under a 2015 and 2020 UWMP construct. The cells highlighted in blue are automatically calculated in the example tables provided in the Appendix C Example Workbook. The methodology and specific formulas used in the example table are described in detail below. Please review the "Key Data Considerations" section for additional guidance concerning the use of average-year data, and how to treat missing or unusable UWMP data.

Table C-4: Calculation of Reliance on Water Supplies from the Delta Watershed

| Calculation of Reliance on Water Supplies from the Delta Watershed | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Water Supplies from the Delta Watershed (Acre-Feet)** | **Baseline (2010)** | **2015** | **2020** | **2025** | **2030** | **2035** | **2040** | **2045 (opt)** |
| CVP/SWP Contract Supplies | | | | | | | | |
| Delta/Delta Tributary Diversions | | | | | | | | |
| Transfers and Exchanges | | | | | | | | |
| Other Water Supplies from the Delta Watershed | | | | | | | | |
| Total Water Supplies from the Delta Watershed | - | - | - | - | - | - | - | - |
| **Service Area Water Demands without Water Use Efficiency** | **Baseline (2010)** | **2015** | **2020** | **2025** | **2030** | **2035** | **2040** | **2045 (opt)** |
| Service Area Water Demands without Water Use Efficiency | - | - | - | - | - | - | - | - |
| **Change in Supplies from the Delta Watershed (Acre-Feet)** | **Baseline (2010)** | **2015** | **2020** | **2025** | **2030** | **2035** | **2040** | **2045 (opt)** |
| Total Water Supplies from the Delta Watershed | - | - | - | - | - | - | - | - |
| Change in Water Supplies from the Delta Watershed | | - | - | - | - | - | - | - |
| **Change in Percentage of Supplies from the Delta Watershed (As a Percent of Water Demand w/out WUE)** | **Baseline (2010)** | **2015** | **2020** | **2025** | **2030** | **2035** | **2040** | **2045 (opt)** |
| Percentage of Total Water Supplies from the Delta Watershed | | | | | | | | |
| Change in Percentage of Water Supplies from the Delta Watershed | | | | | | | | |

Once supplies from the Delta watershed have been totaled, the change over time can be calculated by:

Baseline Water Supplies from the Delta Watershed – Outcome Year Water Supplies from the Delta Watershed = Change in Water Supplies from the Delta Watershed (AF)

Additionally, the water supplies from the Delta watershed can be expressed as a percentage of Total Water Supplies. Total Water Supplies (demands without removing the water use efficiency savings) can be provided from forecasted data or calculated using the steps described above.

Water Supplies from the Delta Watershed / Total Water Supplies = Water Supplies from the Delta Watershed (Percent of Demand)

The change in the percentage of supplies from the Delta watershed for each outcome year can then be evaluated as a change in the percent of water demands.

Baseline Water Supplies from the Delta Watershed – Outcome Year Water Supplies from the Delta Watershed = Change in Water Supplies from the Delta Watershed (Percent of Demand)

### C.3.7 Documenting Implementation Actions

CCR Section 5003 (c)(1)(B) (WR P1 (c)(1)(B)) requires that all programs and projects included in the UWMP that are locally cost-effective and technically feasible, which reduce reliance on the Delta, are identified, evaluated, and are being implemented. The required reporting on demand management measures (DMMs) pursuant to Water Code Section 10631(e), and description of water supply projects and programs that may be undertaken to meet projected water use pursuant to Water Code Section 10631(f), can be used to support this requirement.

However, in the Reduced Reliance on Water Supplies from the Delta Watershed analysis, Suppliers may wish to summarize the DMMs implemented or planned for implementation and describe or demonstrate the relationship between the DMMs and reduced Delta reliance. In this discussion, Suppliers can also describe the water supply projects and programs that may be undertaken and their relationship to reduced Delta reliance. Alternatively, Suppliers may wish to describe or demonstrate the relationship between DMMs and water supply projects and programs in relationship to reduced Delta reliance in the UWMP section where these are addressed.

As described above, for a covered action to demonstrate consistency with WR P1 subdivision (c)(1)(B), Water Code § 10631 (f) Suppliers must also include a description of all water supply projects and water supply programs that may be undertaken by the urban water Supplier to meet the total projected water use established pursuant to subdivision (a) of Section 10635. In accordance with Water Code, Suppliers must already include a detailed description of expected future projects and programs that they may implement to increase the amount of the water supply available to them in normal and single-dry water years and for a period of drought lasting five

consecutive water years in their UWMP. The UWMP description must also identify specific projects, include a description of the increase in water supply that is expected to be available from each project, and include an estimate with regard to the implementation timeline for each project or program.

The example outlined in this guidance document is designed to help Suppliers demonstrate consistency with Delta Plan policy WR P1 using data and documentation generally available in their UWMPs. This example provides Suppliers with discretion and flexibility so that they can provide the needed WR P1 consistency data, while balancing the need for a consistent and defensible approach.

Table C-6. 2015 UWMP Amendment Checklist

| **Notification** | **Water Code Section** | **Checkbox** |
|---|---|---|
| Notification at least 60 days prior to public hearing to any city or county that Supplier will be reviewing plan and considering amendments or changes to plan | §10621(b) | |
| • Encourage active involvement of diverse cultural, economic, social elements of service area population | §10642 | |
| Prior to adopting - Made available for public inspection? | §10642 | |
| Publicly-owned Supplier - | §10642 | |
| • Notification of time and place of hearing published in your jurisdiction pursuant to Government Code §6066?<br>o In a newspaper<br>o Once a week for 2 successive weeks<br>o At least 5 days in between | §10642 | |
| • Notification of time and place of hearing to any city or county within which the Supplier provides water supplies in accordance with Government Code Chapter 17.5 beginning with §7290, Use of a Foreign Language in Public Services? | §10642 | |
| Privately-owned Supplier – equivalent notice within its service area? | §10642 | |
| No later than 30 days after adoption - | §10644(a)(1) | |
| • Submitted to DWR? | §10644(a)(1) | |
| • Submitted to the California State Library? | §10644(a)(1) | |
| • Submitted to any city or county within which the Supplier provides water? | §10644(a)(1) | |

# Appendix D.
# Regional Water Planning and Reporting by Regional UWMP or Regional Alliance

Urban water suppliers (Suppliers) coordinate with many regional entities when engaging in resource planning and in day-to-day operations. This appendix addresses the specific opportunities for regional planning that relate to the 2020 urban water management plans (UMWPs).

In support of regional collaboration, both the UWMP Act (Water Code Section 10620(d) (1)) and the Water Conservation Bill of 2009 (Water Code Section 10608.20(a) (1) and 10608.20) provide mechanisms for supporting development of regional UWMPs and regional water conservation targets.

Suppliers may choose either or both of the two options below for regional reporting in the 2020 UWMP cycle:

- **Regional Urban Water Management Plan (RUWMP**). An RUWMP addresses all requirements of the Water Code and may or may not address SB X7-7 requirements as a region.
- **Regional Alliance.** A regional alliance addresses only the requirements of SB X7-7, and does so as a region.

These two options are described in more detail below.

## D.1 Regional Urban Water Management Plan (RUWMP)

> **Water Code Section 10620**
> (d) (1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basin wide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.

The California Water Code allows Suppliers a great deal of flexibility in determining other Suppliers they will partner with and how much of the RUWMP will be a compilation of individual information versus common

elements.

In 2010 and 2015, several RUWMPs were prepared and submitted to DWR. These plans were prepared in a variety of ways. The examples listed below address Water Code requirements.

### D.1.1 Examples of Regional UWMP Membership

- Regional wholesalers only.
- Wholesaler with some or all of their associated retailer(s).
- Multiple Retail Suppliers in the same area that are managed by one investor owned utility.
- Members of an integrated regional water management plan (IRWMP).
- Suppliers sharing a water source.

### D.1.2 Examples of Individual Information and Common Elements

- RUWMP prepared in addition to individual UWMPs for each Supplier.
- RUWMP prepared in place of individual UWMPs.
- RUWMP provided water use data and target calculations for each individual Supplier, but addressed some elements regionally, such as climate, groundwater basin descriptions, water shortage contingency plans, and/or conservation activities.
- RUWMP did not address the requirements for a regional alliance. Regional baselines and targets were not included in the RUWMP.
- RUWMP addressed the requirements for a regional alliance by including regional baselines and targets (see more on regional alliance below).

### D.1.3 Adoption of RUWMPs

Preparation of an RUWMP requires that each participating Supplier adopt the plan. If a single document is prepared and adopted by each Supplier, then documentation from each Supplier adopting the plan must be included in the final RUWMP. If a regional plan is prepared and an individual Supplier also prepares its own separate UWMP, its governing board must adopt both the individual and regional plans.

### D.1.4 RUWMPS and Compliance with SBX7-7

Within an RUWMP, each Supplier will supply all of their individual information

for compliance with the Water Conservation Bill of 2009 (SBX 7-7). Suppliers collaborating on the RUWMP that also wish to develop a regional baseline and target, in addition to the individual baselines and targets, must form a regional alliance. Regional alliance information will be submitted in the WUEdata online tool separately from information for each participating Supplier. See the Section D.2 below for regional alliance details.

#### D.1.5 RUWMPs and Standardized Tables

RUWMPs will include data for multiple Suppliers, requiring duplicates of the standardized tables, one for each participating Supplier. The standardized tables will be compiled into on RUWMP, but will be submitted through the WUEdata online tool on an individual Supplier basis.

## D.2 Regional Alliance

> **Water Code Section 10608.20**
> (a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28…

A regional alliance addresses only the requirements of the Water Code that pertain to the baseline and target calculations for SB X7-7, The Water Conservation Act of 2009 (Appendix A). All other requirements in the Water Code must be addressed in an individual or a regional UWMP.

DWR has prepared detailed guidance for Suppliers that choose to participate in a regional alliance. See Methodology 9: Regional Compliance in *Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use* (California Department of Water Resources 2016).

Agencies that will be addressing the SB X7-7 requirements as a regional alliance must refer to the methodologies document for detailed instructions on calculating their regional baselines and targets.
Key aspects of *Methodology 9: Regional Compliance* are summarized in the remainder of this Guidebook section.

### D.2.1 Eligibility for Regional Alliance Participation

To be eligible to form a regional alliance, Suppliers must meet at least one of the following criteria:

- Suppliers are recipients of water from a common wholesale Supplier. For this purpose, the State Water Project and the Central Valley Project are not considered wholesale Suppliers. Wholesale Suppliers are not required to establish and meet targets for daily per capita water use. Wholesale Suppliers serving in the role of a regional alliance are representing the retail Suppliers that are members of the alliance, and compliance with a regional target is on behalf of the member Suppliers and not the wholesale Supplier itself.
- Suppliers are partners with a common regional agency authorized to plan and implement water conservation.
- Suppliers are part of a regional water management group as defined in Water Code Section 10537.
- Suppliers are part of an IRWM funding area, which for this purpose means an IRWM planning area formally accepted by DWR through its IRWM Region Acceptance Process.
- Suppliers are located within the same hydrologic region, which for this purpose refers to the 10 hydrologic regions as shown in the California Water Plan. For situations where Suppliers may serve areas within more than one hydrologic region, the majority of each Supplier's service area population must be located within the hydrologic region being identified as a regional alliance.
- Suppliers have appropriate geographic scales for which methodologies developed by DWR can be applied. For this provision, Suppliers' service area boundaries must be contiguous.

### D.2.2 Tiered Regional Alliances

In general, retail Suppliers can belong to only one regional alliance for the purpose of establishing and complying with urban water use targets. An exception is when regional alliances are tiered so that the members of the smallest alliance are all members of the larger alliance or alliances.

### D.2.3 Calculation of and Reporting for a Regional Alliance

Listed below are the three options for calculating regional baselines and targets for a regional alliance. For DWR to evaluate the adequacy of regional alliance calculations, the alliance shall submit the tables specified below. Excel versions of these tables are available on the UWMP website at https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Urban-Water-Management-Plans.

- **Option 1**. The regional alliance calculates the regional target by providing a weighted average of each Supplier's individual target. *Submit the SBX verification form for Regional Alliances Option 1*.
- **Option 2.** The regional alliance sums up the regional gross water use and regional population (provided from each individual Supplier) producing the regional gross water use and regional population. The alliance then calculates a regional baseline GPCD and regional target. *Submit the SB X7-7 verification form for Regional Alliances Option 2.*
- **Option 3**. The regional alliance calculates regional gross water use or population directly for the entire regional alliance and then calculates a regional baseline GPCD and regional targets. *Submit the SB X7-7 verification form for Regional Alliances Option 3.*

### D.2.4 Submittal to DWR

Regional alliance information will be submitted to DWR through any or all of these three documents, as applicable:

- Individual UWMPs must identify the regional alliance(s) that the Supplier belongs to, if any. The regional alliance verification form is NOT required to be submitted with an individual UWMP.
- Regional UWMPs that include a regional alliance will include baseline and target information for each individual Supplier as well as the aggregated baseline and target information for the regional alliance using the appropriate SB X7-7 verification forms.
- Regional alliance reports shall include all the water use target data elements for each individual Supplier in the Alliance and shall also include the aggregated baseline and target information for the regional alliance using the appropriate SB X7-7 verification forms.

### D.2.5 Compliance Assessment for Water Suppliers Belonging to a Regional Alliance

- If a regional alliance meets it regional target, all Suppliers in the alliance will be deemed compliant.
- If a regional alliance fails to meet its regional target, Suppliers in the alliance that meet their individual targets will be deemed compliant.
- Suppliers in alliances that meet neither their individual targets nor their regional targets will be deemed noncompliant.

### D.2.6 Withdrawing or Separating from a Regional Alliance

If a Supplier withdraws from or is a member of a regional alliance that is later dissolved, the Supplier must inform DWR and comply individually with interim and urban water use targets. The Suppliers remaining in the regional alliance may either submit revised regional baseline or target data, or dissolve the alliance.

# Appendix E. Standardized Data Tables

Tables in this appendix are not active spreadsheets. A link to access the Excel versions of all tables is posted on the DWR 2020 UWMP Webpage: https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Urban-Water-Management-Plans. The following tables are from the Submittal Tables workbook. The SBX7-7 Verification Form tables follow these Submittal Tables.

**Table 2-1 Retail: Public Water Systems**

| Public Water System Number | Public Water System Name | Number of Municipal Connections 2020 | Volume of Water Supplied 2020 |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | **TOTAL** | 0 | 0 |

## Table 2-2: Plan Identification Type

| Table 2-2: Plan Identification | | | |
|---|---|---|---|
| **Select Only One** | **Type of Plan** | | **Name of RUWMP or Regional Alliance** *if applicable* *drop down list* |
| ☐ | **Individual UWMP** | | |
| | ☐ | Water Supplier is also a member of a RUWMP | |
| | ☐ | Water Supplier is also a member of a Regional Alliance | |
| ☐ | **Regional Urban Water Management Plan (RUWMP)** | | |
| NOTES: | | | |

## Table 2-3: Supplier Identification

| Table 2-3: Supplier Identification | |
|---|---|
| Type of Supplier (select one or both) | |
| ☐ | Supplier is a wholesaler |
| ☐ | Supplier is a retailer |
| Fiscal or Calendar Year (select one) | |
| ☐ | UWMP Tables are in calendar years |
| ☐ | UWMP Tables are in fiscal years |
| If using fiscal years provide month and date that the fiscal year begins (mm/dd) | |
| | |
| Units of measure used in UWMP (select from drop down) | |
| Unit | |
| NOTES: | |

### Table 2-4 Retail: Water Supplier Information Exchange

| Table 2-4 Retail: Water Supplier Information Exchange |
|---|
| The retail Supplier has informed the following wholesale supplier(s) of projected water use in accordance with Water Code Section 10631. |
| Wholesale Water Supplier Name *(Add additional rows as needed)* |
| |
| |
| |
| NOTES: |

### Table 2-4 Wholesale: Water Supplier Information Exchange

| Table 2-4 Wholesale: Water Supplier Information Exchange (select one) | |
|---|---|
| ☐ | Supplier has informed more than 10 other water suppliers of water supplies available in accordance with Water Code Section 10631. Completion of the table below is optional. If not completed, include a list of the water suppliers that were informed. |
| | **Provide page number for location of the list.** |
| ☐ | Supplier has informed 10 or fewer other water suppliers of water supplies available in accordance with Water Code Section 10631. **Complete the table below.** |
| Water Supplier Name *(Add additional rows as needed)* | |
| | |
| | |
| | |
| NOTES: | |

**Table 3-1 Wholesale: Population - Current and Projected**

| Population Served | 2020 | 2025 | 2030 | 2035 | 2040 | 2045*(opt)* |
|---|---|---|---|---|---|---|
| | | | | | | |

Notes:

**Table 3-1 Retail: Population - Current and Projected**

| Population Served | 2020 | 2025 | 2030 | 2035 | 2040 | 2045*(opt)* |
|---|---|---|---|---|---|---|
| | | | | | | |

Notes:

**Table 4-1 Retail: Demands for Potable and Non-Potable Water – Actual**

| Submittal Table 4-1 Retail: Demands for Potable and Non-Potable Water - Actual | | | |
|---|---|---|---|
| Use Type *(Add additional rows as needed)* | 2020 Actual | | |
| ***Drop down list*** *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool* | Additional Description *(as needed)* | Level of Treatment When Delivered *Drop down list* | Volume |
| Single Family | | | |
| Multi-Family | | | |
| Commercial | | | |
| Industrial | | | |
| Institutional/Governmental | | | |
| Landscape | | | |
| Groundwater recharge | | | |
| Saline water intrusion barrier | | | |
| Agricultural irrigation | | | |
| Wetlands or wildlife habitat | | | |
| Sales/Transfers/Exchanges to other agencies | | | |
| Sales/Transfers/Exchanges to other agencies | | | |
| Losses | | | |
| Other | | | |
| | | | |
| | | | |
| | | **TOTAL** | 0 |

## Table 4-1 Wholesale: Demands for Potable and Non-Potable Water – Actual

| Submittal Table 4-1 Wholesale: Demands for Potable and Non-Potable Water - Actual | | | |
|---|---|---|---|
| Use Type<br>*(Add additional rows as needed)* | 2020 Actual | | |
| ***Drop down list***<br>*May select each use multiple times*<br>*These are the only use types that will be recognized by the WUE data online submittal tool* | Additional Description<br>*(as needed)* | Level of Treatment When Delivered<br>*Drop down list* | Volume |
| Sales to other agencies | | | |
| Transfers to other agencies | | | |
| Exchanges to other agencies | | | |
| Groundwater recharge | | | |
| Saline water intrusion barrier | | | |
| Agricultural irrigation | | | |
| Wetlands or wildlife habitat | | | |
| Retail demand for use by suppliers that are primarily wholesalers with a small volume of retail sales | | | |
| Losses | | | |
| Other Potable | | | |
| Other Non-Potable | | | |
| Other | | | |
| | | **TOTAL** | 0 |
| NOTES: | | | |

## Table 4-2 Retail: Use for Potable and Non-Potable – Projected

| Submittal Table 4-2 Retail: Use for Potable and Non-Potable Water - Projected | | | | | | |
|---|---|---|---|---|---|---|
| Use Type *(Add additional rows as needed)* | Additional Description *(as needed)* | Projected Water Use *Report To the Extent that Records are Available* | | | | |
| ***Drop down list*** *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool* | | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
| Single Family | | | | | | |
| Multi-Family | | | | | | |
| Commercial | | | | | | |
| Industrial | | | | | | |
| Institutional/Governmental | | | | | | |
| Landscape | | | | | | |
| Groundwater recharge | | | | | | |
| Saline water intrusion barrier | | | | | | |
| Agricultural irrigation | | | | | | |
| Wetlands or wildlife habitat | | | | | | |
| Sales/Transfers/Exchanges to other agencies | | | | | | |
| Sales/Transfers/Exchanges to other agencies | | | | | | |
| Losses | | | | | | |
| Other Potable | | | | | | |
| Other Non-Potable | | | | | | |
| Other | | | | | | |
| **TOTAL** | | 0 | 0 | 0 | 0 | 0 |

## Table 4-2 Wholesale: Use for Potable and Non-Potable – Projected

| Table 4-2 Wholesale: Use for Potable and Raw Water - Projected | | | | | | |
|---|---|---|---|---|---|---|
| Use Type *(Add additional rows as needed)* | Additional Description *(as needed)* | Projected Water Use *Report To the Extent that Records are Available* | | | | |
| ***Drop down list*** *May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool.* | | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
| Sales to other agencies | | | | | | |
| Transfers to other agencies | | | | | | |
| Exchanges to other agencies | | | | | | |
| Groundwater recharge | | | | | | |
| Saline water intrusion barrier | | | | | | |
| Agricultural irrigation | | | | | | |
| Wetlands or wildlife habitat | | | | | | |
| Retail demand for use by suppliers that are primarily wholesalers with a small volume of retail sales | | | | | | |
| Losses | | | | | | |
| Other Potable | | | | | | |
| Other Non-Potable | | | | | | |
| Other | | | | | | |
| **TOTAL** | | 0 | 0 | 0 | 0 | 0 |

## Table 4-3 Retail: Gross Water Use

| Submittal Table 4-3 Retail: Total Gross Water Use (Potable and Non-Potable) | | | | | | |
|---|---|---|---|---|---|---|
| | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
| Potable Water, Raw, Other Non-potable *From Tables 4-1R and 4-2 R* | 0 | 0 | 0 | 0 | 0 | 0 |
| Recycled Water Demand* *From Table 6-4* | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL WATER USE** | 0 | 0 | 0 | 0 | 0 | 0 |
| **Recycled water demand fields will be blank until Table 6-4 is complete.* | | | | | | |
| NOTES: | | | | | | |

## Table 4-3 Wholesale: Gross Water Use

| Submittal Table 4-3 Wholesale: Total Water Use (Potable and Non-Potable) | | | | | | |
|---|---|---|---|---|---|---|
| | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
| Potable and Raw Water *From Tables 4-1W and 4-2W* | 0 | 0 | 0 | 0 | 0 | 0 |
| Recycled Water Demand* *From Table 6-4W* | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL WATER DEMAND** | 0 | 0 | 0 | 0 | 0 | 0 |
| **Recycled water demand fields will be blank until Table 6-4 is complete.* | | | | | | |
| NOTES: | | | | | | |

### Table 4-4 Retail: 12 Month Water Loss Audit Reporting

| Submittal Table 4-4 Retail: 12 Month Water Loss Audit Reporting | |
|---|---|
| Reporting Period Start Date (mm/yyyy) | Volume of Water Loss* |
| | |
| ** Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.* | |
| NOTES: | |

### Table 4-4 Wholesale: 12 Month Water Loss Audit Reporting

| OPTIONAL Table 4-4 Wholesale: 12 Month Water Loss Audit Reporting | |
|---|---|
| Reporting Period Start Date (mm/yyyy) | Volume of Water Loss* |
| | |
| ** Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.* | |
| NOTES: | |

### Table 4-5 Retail: Inclusion in Water Use Projections

| Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections | |
|---|---|
| Are Future Water Savings Included in Projections?<br>(Refer to Appendix K of UWMP Guidebook)<br>*Drop down list (y/n)* | |
| If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, etc… utilized in demand projections are found. | |
| Are Lower Income Residential Demands Included In Projections?<br>*Drop down list (y/n)* | |
| NOTES: | |

### Table 5-1: Baselines and Targets Summary

| **Table 5-1 Baselines and Targets Summary**<br>*Retail Supplier or Regional Alliance Only* | | | | |
|---|---|---|---|---|
| Baseline Period | Start Year | End Year | Average Baseline GPCD* | Confirmed 2020 Target* |
| 10-15 year | *From SB X7-7 Table 1* | *From SB X7-7 Table 1* | *From SB X7-7 Table 5* | *SB X7-7 Table 7-F* |
| 5 Year | *From SB X7-7 Table 1* | *From SB X7-7 Table 1* | *From SB X7-7 Table 5* | *SB X7-7 Table 7-F* |
| *All values are in Gallons per Capita per Day (GPCD) | | | | |
| NOTES: | | | | |

## Table 5-2 Retail: 2020 Compliance

| Table 5-2: 2020 Compliance<br>*Retail Supplier or Regional Alliance Only* | | | | | | | |
|---|---|---|---|---|---|---|---|
| Actual 2020 GPCD* | **Optional Adjustments to 2020 GPCD**<br>Enter "0" if no adjustment is made *From Methodology 8* | | | | | 2020 GPCD* *(Adjusted if applicable)* | Did Supplier Achieve Targeted Reduction for 2020? Y/N |
| | Extraordinary Events* | Economic Adjustment* | Weather Normalization* | TOTAL Adjustments* | Adjusted 2020 GPCD* | | |
| | | | | 0 | 0 | 0 | #REF! |
| **All values are in Gallons per Capita per Day (GPCD)* | | | | | | | |
| NOTES: | | | | | | | |

**Note: The energy-related tables of Table O1a,b,c and O2 are displayed and described in Appendix O. The templates of these tables are found in Energy Intensity Tables workbook.**

## Table 6-1 Retail: Groundwater Volume Pumped

| Submittal Table 6-1 Retail: Groundwater Volume Pumped | | | | | | |
|---|---|---|---|---|---|---|
| ☐ | Supplier does not pump groundwater. The supplier will not complete the table below. | | | | | |
| ☐ | All or part of the groundwater described below is desalinated. | | | | | |
| Groundwater Type *Drop Down List* *May use each category multiple times* | Location or Basin Name | 2016 | 2017 | 2018 | 2019 | 2020 |
| *Add additional rows as needed* | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| **TOTAL** | | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | | |

## Table 6-1 Wholesale: Groundwater Volume Pumped

| Submittal Table 6-1 Wholesale: Groundwater Volume Pumped | | | | | | |
|---|---|---|---|---|---|---|
| ☐ | Supplier does not pump groundwater. The supplier will not complete the table below. | | | | | |
| ☐ | All or part of the groundwater described below is desalinated. | | | | | |
| Groundwater Type *Drop Down List* *May use each category multiple times* | Location or Basin Name | 2016 | 2017 | 2018 | 2019 | 2020 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **TOTAL** | | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | | |

## Table 6-2 Retail: Wastewater Collected Within Area in 2020

| Table 6-2 Retail: Wastewater Collected Within Service Area in 2020 | | | | | | |
|---|---|---|---|---|---|---|
| ☐ | There is no wastewater collection system. The supplier will not complete the table below. | | | | | |
| | Percentage of 2020 service area covered by wastewater collection system *(optional)* | | | | | |
| | Percentage of 2020 service area population covered by wastewater collection system *(optional)* | | | | | |
| **Wastewater Collection** | | | **Recipient of Collected Wastewater** | | | |
| Name of Wastewater Collection Agency | Wastewater Volume Metered or Estimated? *Drop Down List* | Volume of Wastewater Collected from UWMP Service Area 2020 | Name of Wastewater Treatment Agency Receiving Collected Wastewater | Treatment Plant Name | Is WWTP Located Within UWMP Area? *Drop Down List* | Is WWTP Operation Contracted to a Third Party? *(optional)* *Drop Down List* |
| *Add additional rows as needed* | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **Total Wastewater Collected from Service Area in 2020:** | | 0 | | | | |
| NOTES: | | | | | | |

## Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2020

| Table 6-3 Retail: Wastewater Treatment and Discharge Within Service Area in 2020 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | No wastewater is treated or disposed of within the UWMP service area. The supplier will not complete the table below. | | | | | | | | | |
| Wastewater Treatment Plant Name | Discharge Location Name or Identifier | Discharge Location Description | Wastewater Discharge ID Number *(optional)* | Method of Disposal *Drop down list* | Does This Plant Treat Wastewater Generated Outside the Service Area? | Treatment Level *Drop down list* | 2020 volumes: Wastewater Treated | 2020 volumes: Discharged Treated Wastewater | 2020 volumes: Recycled Within Service Area | 2020 volumes: Recycled Outside of Service Area |
| *Add additional rows as needed* | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | **Total** | 0 | 0 | 0 | 0 |
| NOTES: | | | | | | | | | | |

## Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area

| Table 6-4 Retail: Current and Projected Recycled Water Direct Beneficial Uses Within Service Area | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | Recycled water is not used and is not planned for use within the service area of the supplier. The supplier will not complete the table below. | | | | | | | | | | |
| Name of Supplier Producing (Treating) the Recycled Water: | | | | | | | | | | | |
| Name of Supplier Operating the Recycled Water Distribution System: | | | | | | | | | | | |
| Supplemental Water Added in 2020 | | | | | | | | | | | |
| Source of 2020 Supplemental Water | | | | | | | | | | | |
| Beneficial Use Type | Potential Beneficial Uses of Recycled Water (Describe) | Amount of Potential Uses of Recycled Water (Quantity) *Include volume units* | General Description of 2020 Uses | Level of Treatment *Drop down list* | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 (opt) |
| Agricultural irrigation | | | | | | | | | | |
| Landscape irrigation (excludes golf courses) | | | | | | | | | | |
| Golf course irrigation | | | | | | | | | | |
| Commercial use | | | | | | | | | | |
| Industrial use | | | | | | | | | | |
| Geothermal and other energy production | | | | | | | | | | |
| Seawater intrusion barrier | | | | | | | | | | |
| Recreational impoundment | | | | | | | | | | |
| Wetlands or wildlife habitat | | | | | | | | | | |
| Groundwater recharge (IPR)* | | | | | | | | | | |
| Surface water augmentation (IPR)* | | | | | | | | | | |
| Direct potable reuse | | | | | | | | | | |
| Other *(Provide General Description)* | | | | | | | | | | |
| | | | | **Total:** | 0 | 0 | 0 | 0 | 0 | 0 |
| **IPR - Indirect Potable Reuse* | | | | | | | | | | |
| NOTES: | | | | | | | | | | |

## Table 6-4 Wholesale: Current and Projected Retailers Provided Recycled Water Within Service Area

| Table 6-4 Wholesale: Current and Projected Retailers Provided Recycled Water Within Service Area | | | | | | | |
|---|---|---|---|---|---|---|---|
| ☐ | Recycled water is not directly treated or distributed by the supplier. The supplier will not complete the table below. | | | | | | |
| Name of Receiving Supplier or Direct Use by Wholesaler | Level of Treatment *Drop down list* | 2020 | 2025 | 2030 | 2035 | 2040 | 2045 *(opt)* |
| *Add additional rows as needed* | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| **Total** | | 0 | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | | | |

## Table 6-5 Retail: 2015 Recycled Water Use Projection Compared to 2020 Actual

| Table 6-5 Retail: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual | | | |
|---|---|---|---|
| ☐ | Recycled water was not used in 2015 nor projected for use in 2020. The supplier will not complete the table below. | | |
| **Use Type** | | **2015 Projection for 2020** | **2020 Actual Use** |
| Agricultural irrigation | | | |
| Landscape irrigation (excludes golf courses) | | | |
| Golf course irrigation | | | |
| Commercial use | | | |
| Industrial use | | | |
| Geothermal and other energy production | | | |
| Seawater intrusion barrier | | | |
| Recreational impoundment | | | |
| Wetlands or wildlife habitat | | | |
| Groundwater recharge (IPR) | | | |
| Surface water augmentation (IPR) | | | |
| Direct potable reuse | | | |
| Other | *Type of Use* | | |
| **Total** | | 0 | 0 |
| NOTES: | | | |

## Table 6-5 Wholesale: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual

| Table 6-5 Wholesale: 2015 UWMP Recycled Water Use Projection Compared to 2020 Actual | | |
|---|---|---|
| ☐ | Recycled water was not used or distributed by the supplier in 2015, nor projected for use or distribution in 2020.<br>The wholesale supplier will not complete the table below. | |
| Name of Receiving Supplier or Direct Use by Wholesaler | 2015 Projection for 2020 | 2020 Actual Use |
| *Add additional rows as needed* | | |
| | | |
| | | |
| | | |
| **Total** | 0 | 0 |
| NOTES: | | |

## Table 6-6 Retail: Methods to Expand Future Recycled Water Use

| Table 6-6 Retail: Methods to Expand Future Recycled Water Use | | | |
|---|---|---|---|
| ☐ | Supplier does not plan to expand recycled water use in the future. Supplier will not complete the table below but will provide narrative explanation. | | |
| | Provide page location of narrative in UWMP | | |
| Name of Action | Description | Planned Implementation Year | Expected Increase in Recycled Water Use |
| *Add additional rows as needed* | | | |
| | | | |
| | | | |
| | | | |
| | | **Total** | 0 |
| NOTES: | | | |

## Table 6-7 Retail: Expected Future Water Supply Projects or Programs

| Table 6-7 Retail: Expected Future Water Supply Projects or Programs | | | | | | |
|---|---|---|---|---|---|---|
| ☐ | No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below. | | | | | |
| ☐ | Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format. | | | | | |
| | Provide page location of narrative in the UWMP | | | | | |
| Name of Future Projects or Programs | Joint Project with other suppliers? | | Description (if needed) | Planned Implementation Year | Planned for Use in Year Type | Expected Increase in Water Supply to Supplier |
| | *Drop Down List (y/n)* | *If Yes, Agency Name* | | | *Drop Down List* | *This may be a range* |
| *Add additional rows as needed* | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| NOTES: | | | | | | |

## Table 6-7 Wholesale: Expected Future Water Supply Projects or Programs

| Table 6-7 Wholesale: Expected Future Water Supply Projects or Programs | | | | | | |
|---|---|---|---|---|---|---|
| ☐ | No expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Supplier will not complete the table below. | | | | | |
| ☐ | Some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format. | | | | | |
| | Provide page location of narrative in the UWMP | | | | | |
| Name of Future Projects or Programs | Joint Project with other suppliers? | | Description *(if needed)* | Planned Implementation Year | Planned for Use in Year Type *Drop Down list* | Expected Increase in Water Supply to Supplier |
| | *Drop Down Menu* | *If Yes, Agency Name* | | | | |
| *Add additional rows as needed* | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| NOTES: | | | | | | |

## Table 6-8 Retail: Water Supplies – Actual

| Table 6-8 Retail: Water Supplies — Actual | | | | |
|---|---|---|---|---|
| Water Supply | Additional Detail on Water Supply | 2020 | | |
| ***Drop down list*** *May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool* | | Actual Volume | Water Quality *Drop Down List* | Total Right or Safe Yield *(optional)* |
| *Add additional rows as needed* | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| **Total** | | 0 | | 0 |
| NOTES: | | | | |

## Table 6-8 Wholesale: Water Supplies – Actual

| Table 6-8 Wholesale: Water Supplies — Actual | | | | |
|---|---|---|---|---|
| Water Supply | Additional Detail on Water Supply | 2020 | | |
| ***Drop down list*** *May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool* | | Actual Volume | Water Quality *Drop Down List* | Total Right or Safe Yield *(optional)* |
| *Add additional rows as needed* | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | **Total** | 0 | | 0 |
| NOTES: | | | | |

## Table 6-8ds: Source Water Desalinization

| Optional Table 6-8ds: Source Water Desalination | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | Neither groundwater nor surface water are reduced in salinity prior to distribution. | | | | | | | | | |
| Plant Name or Well ID | Plant Capacity | Intake Type *Drop down list* | Source Water Type *Drop down list* | Influent TDS | Brine Discharge *Drop down list* | Volume of Water Desalinated in AFY | | | | |
| | | | | | | 2016 | 2017 | 2018 | 2019 | 2020 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | **Total** | 0 | 0 | 0 | 0 | 0 |
| Notes: | | | | | | | | | | |

## Table 6-9 Retail: Water Supplies – Projected

| Submittal Table 6-9 Retail: Water Supplies — Projected | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Supply | Additional Detail on Water Supply | Projected Water Supply *Report To the Extent Practicable* | | | | | | | | | | |
| ***Drop down list*** *May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool* | | 2020 | | 2025 | | 2030 | | 2035 | | 2040 *(opt)* | | |
| | | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* |
| *Add additional rows as needed* | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | **Total** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| NOTES: | | | | | | | | | | | | |

## Table 6-9 Wholesale: Water Supplies – Projected

| Table 6-9 Wholesale: Water Supplies — Projected | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Supply | Additional Detail on Water Supply | Projected Water Supply *Report To the Extent Practicable* | | | | | | | | | |
| | | 2020 | | 2025 | | 2030 | | 2035 | | 2040 *(opt)* | |
| **Drop down list** *May use each category multiple times. These are the only water supply categories that will be recognized by the WUEdata online submittal tool* | | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* | Reasonably Available Volume | Total Right or Safe Yield *(optional)* |
| *Add additional rows as needed* | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **Total** | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | | | | | | | |

## Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment)

| Submittal Table 7-1 Retail: Basis of Water Year Data (Reliability Assessment) | | | |
|---|---|---|---|
| **Year Type** | **Base Year** *If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2019-2020, use 2020* | **Available Supplies if Year Type Repeats** | |
| | | ☐ Quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. Location _____ | |
| | | ☐ Quantification of available supplies is provided in this table as either volume only, percent only, or both. | |
| | | **Volume Available** | **% of Average Supply** |
| Average Year | | | 100% |
| Single-Dry Year | | | |
| Consectutive Dry Years 1st Year | | | |
| Consectutive Dry Years 2nd Year | | | |
| Consectutive Dry Years 3rd Year | | | |
| Consectutive Dry Years 4th Year | | | |
| Consectutive Dry Years 5th Year | | | |
| | | | |
| Supplier may use multiple versions of Table 7-1 if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Table 7-1, in the "Note" section of each table, state that multiple versions of Table 7-1 are being used and identify the particular water source that is being reported in each table. | | | |
| NOTES: | | | |

### Table 7-2 Retail: Normal Year Supply and Demand Comparison

| Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison | | | | | |
|---|---|---|---|---|---|
| | 2025 | 2030 | 2035 | 2040 | 2045 *(Opt)* |
| Supply totals *(autofill from Table 6-9)* | 0 | 0 | 0 | 0 | 0 |
| Demand totals *(autofill from Table 4-3)* | 0 | 0 | 0 | 0 | 0 |
| Difference | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | |

### Table 7-3 Retail: Single Dry Year Supply and Demand Comparison

| Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison | | | | | |
|---|---|---|---|---|---|
| | 2025 | 2030 | 2035 | 2040 | 2045 (Opt) |
| Supply totals | | | | | |
| Demand totals | | | | | |
| Difference | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | |

## Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison

| Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison | | | | | | |
|---|---|---|---|---|---|---|
| | | 2025 | 2030 | 2035 | 2040 | 2045 (Opt) |
| First year | Supply totals | | | | | |
| | Demand totals | | | | | |
| | Difference | 0 | 0 | 0 | 0 | 0 |
| Second year | Supply totals | | | | | |
| | Demand totals | | | | | |
| | Difference | 0 | 0 | 0 | 0 | 0 |
| Third year | Supply totals | | | | | |
| | Demand totals | | | | | |
| | Difference | 0 | 0 | 0 | 0 | 0 |
| Fourth year | Supply totals | | | | | |
| | Demand totals | | | | | |
| | Difference | 0 | 0 | 0 | 0 | 0 |
| Fifth year | Supply totals | | | | | |
| | Demand totals | | | | | |
| | Difference | 0 | 0 | 0 | 0 | 0 |
| Sixth year *(optional)* | Supply totals | | | | | |
| | Demand totals | | | | | |
| | Difference | 0 | 0 | 0 | 0 | 0 |
| NOTES: | | | | | | |

## Table 7-5: Five-Year Drought Risk Assessment Tables to Address Water Code Section 10635(b)

| Submittal Table 7-5: Five-Year Drought Risk Assessment Tables to address Water Code Section 10635(b) | |
|---|---|
| **2021** | **Total** |
| Gross Water Use | |
| Total Supplies | |
| Surplus/Shortfall w/o WSCP Action | 0 |
| Planned WSCP Actions (use reduction and supply augmentation) | |
| WSCP - supply augmentation benefit | |
| WSCP - use reduction savings benefit | |
| Revised Surplus/(shortfall) | |
| Resulting % Use Reduction from WSCP action | #DIV/0! |
| | |
| **2022** | **Total** |
| Gross Water Use [Use Worksheet] | |
| Total Supplies [Supply Worksheet] | |
| Surplus/Shortfall w/o WSCP Action | 0 |
| Planned WSCP Actions (use reduction and supply augmentation) | |
| WSCP - supply augmentation benefit | |
| WSCP - use reduction savings benefit | |
| Revised Surplus/(shortfall) | |
| Resulting % Use Reduction from WSCP action | #REF! |
| | |
| **2023** | **Total** |
| Gross Water Use [Use Worksheet] | |
| Total Supplies [Supply Worksheet] | |
| Surplus/Shortfall w/o WSCP Action | 0 |
| Planned WSCP Actions (use reduction and supply augmentation) | |
| WSCP - supply augmentation benefit | |
| WSCP - use reduction savings benefit | |
| Revised Surplus/(shortfall) | |
| Resulting % Use Reduction from WSCP action | #DIV/0! |
| | |
| **2024** | **Total** |
| Gross Water Use [Use Worksheet] | |
| Total Supplies [Supply Worksheet] | |
| Surplus/Shortfall w/o WSCP Action | 0 |
| Planned WSCP Actions (use reduction and supply augmentation) | |
| WSCP - supply augmentation benefit | |
| WSCP - use reduction savings benefit | |
| Revised Surplus/(shortfall) | |
| Resulting % Use Reduction from WSCP action | #DIV/0! |
| | |
| **2025** | **Total** |
| Gross Water Use [Use Worksheet] | |
| Total Supplies [Supply Worksheet] | |
| Surplus/Shortfall w/o WSCP Action | 0 |
| Planned WSCP Actions (use reduction and supply augmentation) | |
| WSCP - supply augmentation benefit | |
| WSCP - use reduction savings benefit | |
| Revised Surplus/(shortfall) | |
| Resulting % Use Reduction from WSCP action | #DIV/0! |

## Table 10-1 Retail: Notification to Cities and Counties

| Table 10-1 Retail: Notification to Cities and Counties | | |
|---|---|---|
| City Name | 60 Day Notice | Notice of Public Hearing |
| *Add additional rows as needed* | | |
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |
| County Name *Drop Down List* | 60 Day Notice | Notice of Public Hearing |
| *Add additional rows as needed* | | |
| | ☐ | ☐ |
| | ☐ | ☐ |

## Table 10-1 Wholesale: Notification to Cities and Counties

| Table 10-1 Wholesale: Notification to Cities and Counties (select one) | | |
|---|---|---|
| ☐ | Supplier has notified more than 10 cities or counties in accordance with Water Code Sections 10621 (b) and 10642. **Completion of the table below is not required. Provide a separate list of the cities and counties that were notified.** | |
| | Provide the page or location of this list in the UWMP. | |
| ☐ | Supplier has notified 10 or fewer cities or counties. **Complete the table below.** | |
| City Name | 60 Day Notice | Notice of Public Hearing |
| *Add additional rows as needed* | | |
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |
| County Name *Drop Down List* | 60 Day Notice | Notice of Public Hearing |
| *Add additional rows as needed* | | |
| | ☐ | ☐ |
| | ☐ | ☐ |
| NOTES: | | |

# SBX7-7 Verification Form

Tables in this appendix are not active spreadsheets. A link to access the Excel versions of all tables is posted on the DWR 2020 UWMP Webpage: https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Urban-Water-Management-Plans. The following tables are from the SBX7-7 workbook.

**SB X7-7 Table 0: Units of Measure Use in UWMP**

| **SB X7-7 Table 0: Units of Measure Used in UWMP*** *(select one from the drop down list)* |
|---|
| |
| **The unit of measure must be consistent with Table 2-3* |
| NOTES: |

## SB X7-7 Table 1: Baseline Period Ranges

| SB X7-7 Table-1: Baseline Period Ranges | | | |
|---|---|---|---|
| **Baseline** | **Parameter** | **Value** | **Units** |
| 10- to 15-year baseline period | 2008 total water deliveries | | 0 |
| | 2008 total volume of delivered recycled water | | 0 |
| | 2008 recycled water as a percent of total deliveries | | Percent |
| | Number of years in baseline period[1, 2] | | Years |
| | Year beginning baseline period range | | |
| | Year ending baseline period range[3] | | |
| 5-year baseline period | Number of years in baseline period | | Years |
| | Year beginning baseline period range | | |
| | Year ending baseline period range[4] | | |

*[1] If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.*

*[2] The Water Code requires that the baseline period is between 10 and 15 years. However, DWR recognizes that some water suppliers may not have the minimum 10 years of baseline data.*

*[3] The ending year must be between December 31, 2004 and December 31, 2010.*

*[4] The ending year must be between December 31, 2007 and December 31, 2010.*

NOTES:

## SB X7-7 Table 2: Method for Population Estimates

| SB X7-7 Table 2: Method for Population Estimates | |
|---|---|
| Method Used to Determine Population (may check more than one) | |
| ☐ | **1. Department of Finance** (DOF)<br>DOF Table E-8 (1990 - 2000) and (2000-2010) and<br>DOF Table E-5 (2011 - 2015) when available |
| ☐ | **2. Persons-per-Connection Method** |
| ☐ | **3. DWR Population Tool** |
| ☐ | **4. Other**<br>DWR recommends pre-review |
| NOTES: | |

## SB X7-7 Table 3: Service Area Population

| SB X7-7 Table 3: Service Area Population | | |
|---|---|---|
| Year | | Population |
| 10 to 15 Year Baseline Population | | |
| Year 1 | 0 | |
| Year 2 | | |
| Year 3 | | |
| Year 4 | | |
| Year 5 | | |
| Year 6 | | |
| Year 7 | | |
| Year 8 | | |
| Year 9 | | |
| Year 10 | | |
| Year 11 | | |
| Year 12 | | |
| Year 13 | | |
| Year 14 | | |
| Year 15 | | |
| 5 Year Baseline Population | | |
| Year 1 | 0 | |
| Year 2 | | |
| Year 3 | | |
| Year 4 | | |
| Year 5 | | |
| 2020 Compliance Year Population | | |
| 2020 | | |
| NOTES: | | |

## SB X7-7 Table 4: Annual Gross Water Use

| SB X7-7 Table 4: Annual Gross Water Use * | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Baseline Year *Fm SB X7-7 Table 3* | | Volume Into Distribution System *This column will remain blank until SB X7-7 Table 4-A is completed.* | Deductions | | | | | Annual Gross Water Use |
| | | | Exported Water | Change in Dist. System Storage (+/-) | Indirect Recycled Water *This column will remain blank until SB X7-7 Table 4-B is completed.* | Water Delivered for Agricultural Use | Process Water *This column will remain blank until SB X7-7 Table 4-D is completed.* | |
| 10 to 15 Year Baseline - Gross Water Use | | | | | | | | |
| Year 1 | 0 | - | | | - | | - | - |
| Year 2 | 0 | - | | | - | | - | - |
| Year 3 | 0 | - | | | - | | - | - |
| Year 4 | 0 | - | | | - | | - | - |
| Year 5 | 0 | - | | | - | | - | - |
| Year 6 | 0 | - | | | - | | - | - |
| Year 7 | 0 | - | | | - | | - | - |
| Year 8 | 0 | - | | | - | | - | - |
| Year 9 | 0 | - | | | - | | - | - |
| Year 10 | 0 | - | | | - | | - | - |
| Year 11 | 0 | - | | | - | | - | - |
| Year 12 | 0 | - | | | - | | - | - |
| Year 13 | 0 | - | | | - | | - | - |
| Year 14 | 0 | - | | | - | | - | - |
| Year 15 | 0 | - | | | - | | - | - |
| 10 - 15 year baseline average gross water use | | | | | | | | #DIV/0! |
| 5 Year Baseline - Gross Water Use | | | | | | | | |
| Year 1 | 0 | - | | | - | | - | - |
| Year 2 | 0 | - | | | - | | - | - |
| Year 3 | 0 | - | | | - | | - | - |
| Year 4 | 0 | - | | | - | | - | - |
| Year 5 | 0 | - | | | - | | - | - |
| 5 year baseline average gross water use | | | | | | | | #DIV/0! |
| 2020 Compliance Year - Gross Water Use | | | | | | | | |
| 2020 | | - | - | | - | | - | - |
| * NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3 | | | | | | | | |
| NOTES: | | | | | | | | |

## SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

| SB X7-7 Table 4-A: Volume Entering the Distribution System(s)<br>Complete one table for each source. | | | | |
|---|---|---|---|---|
| **Name of Source** | Source 1 | | | |
| This water source is: | | | | |
| ☐ | The supplier's own water source | | | |
| ☐ | A purchased or imported source | | | |
| **Baseline Year**<br>*Fm SB X7-7 Table 3* | | Volume Entering Distribution System | Meter Error Adjustment*<br>*Optional*<br>*(+/-)* | Corrected Volume Entering Distribution System |
| 10 to 15 Year Baseline - Water into Distribution System | | | | |
| Year 1 | 0 | | | - |
| Year 2 | 0 | | | - |
| Year 3 | 0 | | | - |
| Year 4 | 0 | | | - |
| Year 5 | 0 | | | - |
| Year 6 | 0 | | | - |
| Year 7 | 0 | | | - |
| Year 8 | 0 | | | - |
| Year 9 | 0 | | | - |
| Year 10 | 0 | | | - |
| Year 11 | 0 | | | - |
| Year 12 | 0 | | | - |
| Year 13 | 0 | | | - |
| Year 14 | 0 | | | - |
| Year 15 | 0 | | | - |
| 5 Year Baseline - Water into Distribution System | | | | |
| Year 1 | 0 | | | - |
| Year 2 | 0 | | | - |
| Year 3 | 0 | | | - |
| Year 4 | 0 | | | - |
| Year 5 | 0 | | | - |
| 2020 Compliance Year - Water into Distribution System | | | | |
| **2020** | | | | - |
| ** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document* | | | | |
| NOTES: | | | | |

## SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction

**SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction** *(For use only by agencies that are deducting indirect recycled water)*

| Baseline Year *Fm SB X7-7 Table 3* | | Surface Reservoir Augmentation | | | | | Groundwater Recharge | | | **Total Deductible Volume of Indirect Recycled Water Entering the Distribution System** |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Volume Discharged from Reservoir for Distribution System Delivery | Percent Recycled Water | Recycled Water Delivered to Treatment Plant | Transmission / Treatment Loss | Recycled Volume Entering Distribution System from Surface Reservoir Augmentation | Recycled Water Pumped by Utility* | Transmission/ Treatment Losses | Recycled Volume Entering Distribution System from Groundwater Recharge | |
| 10-15 Year Baseline - Indirect Recycled Water Use | | | | | | | | | | |
| Year 1 | 0 | | | - | | - | | | - | - |
| Year 2 | 0 | | | - | | - | | | - | - |
| Year 3 | 0 | | | - | | - | | | - | - |
| Year 4 | 0 | | | - | | - | | | - | - |
| Year 5 | 0 | | | - | | - | | | - | - |
| Year 6 | 0 | | | - | | - | | | - | - |
| Year 7 | 0 | | | - | | - | | | - | - |
| Year 8 | 0 | | | - | | - | | | - | - |
| Year 9 | 0 | | | - | | - | | | - | - |
| Year 10 | 0 | | | - | | - | | | - | - |
| *Year 11* | 0 | | | - | | - | | | - | - |
| *Year 12* | 0 | | | - | | - | | | - | - |
| *Year 13* | 0 | | | - | | - | | | - | - |
| *Year 14* | 0 | | | - | | - | | | - | - |
| *Year 15* | 0 | | | - | | - | | | - | - |
| 5 Year Baseline - Indirect Recycled Water Use | | | | | | | | | | |
| Year 1 | 0 | | | - | | - | | | - | - |
| Year 2 | 0 | | | - | | - | | | - | - |
| Year 3 | 0 | | | - | | - | | | - | - |
| Year 4 | 0 | | | - | | - | | | - | - |
| Year 5 | 0 | | | - | | - | | | - | - |
| 2020 Compliance - Indirect Recycled Water Use | | | | | | | | | | |
| **2020** | | | | - | | - | | | - | - |

**Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.*

NOTES:

## SB X7-7 Table 4-C: Process Water Deduction Eligibility

| **SB X7-7 Table 4-C: Process Water Deduction Eligibility**<br>*(For use only by agencies that are deducting process water) Choose Only One* | |
|---|---|
| ☐ | **Criteria 1**- Industrial water use is equal to or greater than 12% of gross water use.<br>Complete SB X7-7 Table 4-C.1 |
| ☐ | **Criteria 2** - Industrial water use is equal to or greater than 15 GPCD.<br>Complete SB X7-7 Table 4-C.2 |
| ☐ | **Criteria 3** - Non-industrial use is equal to or less than 120 GPCD.<br>Complete SB X7-7 Table 4-C.3 |
| ☐ | **Criteria 4** - Disadvantaged Community.<br>Complete SB x7-7 Table 4-C.4 |
| NOTES: | |

## SB X7-7 Table 4-C.1: Process Water Deduction Eligibility, Criteria 1

| SB X7-7 Table 4-C.1: Process Water Deduction Eligibility | | | | | |
|---|---|---|---|---|---|
| **Criteria 1**<br>Industrial water use is equal to or greater than 12% of gross water use | | | | | |
| **Baseline Year**<br>*Fm SB X7-7 Table 3* | | Gross Water Use Without Process Water Deduction | Industrial Water Use | Percent Industrial Water | **Eligible for Exclusion Y/N** |
| 10 to 15 Year Baseline - Process Water Deduction Eligibility | | | | | |
| Year 1 | 0 | - | | | NO |
| Year 2 | 0 | - | | | NO |
| Year 3 | 0 | - | | | NO |
| Year 4 | 0 | - | | | NO |
| Year 5 | 0 | - | | | NO |
| Year 6 | 0 | - | | | NO |
| Year 7 | 0 | - | | | NO |
| Year 8 | 0 | - | | | NO |
| Year 9 | 0 | - | | | NO |
| Year 10 | 0 | - | | | NO |
| Year 11 | 0 | - | | | NO |
| Year 12 | 0 | - | | | NO |
| Year 13 | 0 | - | | | NO |
| Year 14 | 0 | - | | | NO |
| Year 15 | 0 | - | | | NO |
| 5 Year Baseline - Process Water Deduction Eligibility | | | | | |
| Year 1 | 0 | - | | | NO |
| Year 2 | 0 | - | | | NO |
| Year 3 | 0 | - | | | NO |
| Year 4 | 0 | - | | | NO |
| Year 5 | 0 | - | | | NO |
| 2020 Compliance Year - Process Water Deduction Eligiblity | | | | | |
| **2020** | | - | | | NO |
| NOTES: | | | | | |

## SB X7-7 Table 4-C.2: Process Water Deduction Eligibility, Criteria 2

| SB X7-7 Table 4-C.2: Process Water Deduction Eligibility | | | | | |
|---|---|---|---|---|---|
| **Criteria 2**<br>Industrial water use is equal to or greater than 15 GPCD | | | | | |
| **Baseline Year**<br>*Fm SB X7-7 Table 3* | | Industrial Water Use | Population | Industrial GPCD | **Eligible for Exclusion Y/N** |
| 10 to 15 Year Baseline - Process Water Deduction Eligibility | | | | | |
| Year 1 | 0 | | - | | NO |
| Year 2 | 0 | | - | | NO |
| Year 3 | 0 | | - | | NO |
| Year 4 | 0 | | - | | NO |
| Year 5 | 0 | | - | | NO |
| Year 6 | 0 | | - | | NO |
| Year 7 | 0 | | - | | NO |
| Year 8 | 0 | | - | | NO |
| Year 9 | 0 | | - | | NO |
| Year 10 | 0 | | - | | NO |
| *Year 11* | 0 | | - | | NO |
| *Year 12* | 0 | | - | | NO |
| *Year 13* | 0 | | - | | NO |
| *Year 14* | 0 | | - | | NO |
| *Year 15* | 0 | | - | | NO |
| 5 Year Baseline - Process Water Deduction Eligibility | | | | | |
| Year 1 | 0 | | - | | NO |
| Year 2 | 0 | | - | | NO |
| Year 3 | 0 | | - | | NO |
| Year 4 | 0 | | - | | NO |
| Year 5 | 0 | | - | | NO |
| 2020 Compliance Year - Process Water Deduction Eligibility | | | | | |
| **2020** | | | - | | NO |
| NOTES: | | | | | |

## SB X7-7 Table 4-C.3: Process Water Deduction Eligibility, Criteria 3

| SB X7-7 Table 4-C.3: Process Water Deduction Eligibility | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Criteria 3**<br>Non-industrial use is equal to or less than 120 GPCD | | | | | | | |
| **Baseline Year**<br>*Fm SB X7-7 Table 3* | | Gross Water Use Without Process Water Deduction<br>*Fm SB X7-7 Table 4* | Industrial Water Use | Non-industrial Water Use | Population<br>*Fm SB X7-7 Table 3* | Non-Industrial GPCD | **Eligible for Exclusion Y/N** |
| 10 to 15 Year Baseline - Process Water Deduction Eligibility | | | | | | | |
| Year 1 | 0 | - | | - | - | | NO |
| Year 2 | 0 | - | | - | - | | NO |
| Year 3 | 0 | - | | - | - | | NO |
| Year 4 | 0 | - | | - | - | | NO |
| Year 5 | 0 | - | | - | - | | NO |
| Year 6 | 0 | - | | - | - | | NO |
| Year 7 | 0 | - | | - | - | | NO |
| Year 8 | 0 | - | | - | - | | NO |
| Year 9 | 0 | - | | - | - | | NO |
| Year 10 | 0 | - | | - | - | | NO |
| *Year 11* | 0 | - | | - | - | | NO |
| *Year 12* | 0 | - | | - | - | | NO |
| *Year 13* | 0 | - | | - | - | | NO |
| *Year 14* | 0 | - | | - | - | | NO |
| *Year 15* | 0 | - | | - | - | | NO |
| 5 Year Baseline - Process Water Deduction Eligibility | | | | | | | |
| Year 1 | 0 | - | | - | - | | NO |
| Year 2 | 0 | - | | - | - | | NO |
| Year 3 | 0 | - | | - | - | | NO |
| Year 4 | 0 | - | | - | - | | NO |
| Year 5 | 0 | - | | - | - | | NO |
| 2020 Compliance Year - Process Water Deduction Eligiblity | | | | | | | |
| **2020** | | - | | - | - | | NO |
| NOTES: | | | | | | | |

## SB X7-7 Table 4-C.4: Process Water Deduction Eligibility, Criteria 4

**SB X7-7 Table 4-C.4: Process Water Deduction Eligibility**

**Criteria 4**

Disadvantaged Community. A "Disadvantaged Community" (DAC) is a community with a median household income less than 80 percent of the statewide average.

**SELECT ONE**

"Disadvantaged Community" status was determined using one of the methods listed below:

☐ **1. IRWM DAC Mapping tool**
**http://www.water.ca.gov/irwm/grants/resources_dac.cfm**

If using the IRWM DAC Mapping Tool, include a screen shot from the tool showing that the service area is considered a DAC.

☐ **2. 2010 Median Income**

| California Median Household Income | | Service Area Median Household Income | Percentage of Statewide Average | **Eligible for Exclusion? Y/N** |
|---|---|---|---|---|
| 2020 Compliance Year - Process Water Deduction Eligibility | | | | |
| 2010 | $60,883 | | 0% | YES |

NOTES:

## SB X7-7 Table 4-D: Process Water Deduction - Volume

| SB X7-7 Table 4-D: Process Water Deduction - Volume<br>*Complete a separate table for each industrial customer with a process water exclusion* | | | | | | |
|---|---|---|---|---|---|---|
| **Name of Industrial Customer** | | *Industrial Customer 1* | | | | |
| **Baseline Year**<br>*Fm SB X7-7 Table 3* | | Industrial Customer's Total Water Use | Total Volume Supplied by Water Agency | % of Water Supplied by Water Agency | Customer's Total Process Water Use | Volume of Process Water Eligible for Exclusion for this Customer |
| 10 to 15 Year Baseline - Process Water Deduction | | | | | | |
| Year 1 | 0 | | | | | - |
| Year 2 | 0 | | | | | - |
| Year 3 | 0 | | | | | - |
| Year 4 | 0 | | | | | - |
| Year 5 | 0 | | | | | - |
| Year 6 | 0 | | | | | - |
| Year 7 | 0 | | | | | - |
| Year 8 | 0 | | | | | - |
| Year 9 | 0 | | | | | - |
| Year 10 | 0 | | | | | - |
| *Year 11* | 0 | | | | | - |
| *Year 12* | 0 | | | | | - |
| *Year 13* | 0 | | | | | - |
| *Year 14* | 0 | | | | | - |
| *Year 15* | 0 | | | | | - |
| 5 Year Baseline - Process Water Deduction | | | | | | |
| Year 1 | 0 | | | | | - |
| Year 2 | 0 | | | | | - |
| Year 3 | 0 | | | | | - |
| Year 4 | 0 | | | | | - |
| Year 5 | 0 | | | | | - |
| 2020 Compliance Year - Process Water Deduction | | | | | | |
| **2020** | | | | | | - |
| NOTES: | | | | | | |

## SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)

| SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD) | | | | |
|---|---|---|---|---|
| **Baseline Year** *Fm SB X7-7 Table 3* | | Service Area Population *Fm SB X7-7 Table 3* | Annual Gross Water Use *Fm SB X7-7 Table 4* | Daily Per Capita Water Use (GPCD) |
| 10 to 15 Year Baseline GPCD | | | | |
| Year 1 | 0 | - | - | |
| Year 2 | 0 | - | - | |
| Year 3 | 0 | - | - | |
| Year 4 | 0 | - | - | |
| Year 5 | 0 | - | - | |
| Year 6 | 0 | - | - | |
| Year 7 | 0 | - | - | |
| Year 8 | 0 | - | - | |
| Year 9 | 0 | - | - | |
| Year 10 | 0 | - | - | |
| *Year 11* | 0 | - | - | |
| *Year 12* | 0 | - | - | |
| *Year 13* | 0 | - | - | |
| *Year 14* | 0 | - | - | |
| *Year 15* | 0 | - | - | |
| 10-15 Year Average Baseline GPCD | | | | #DIV/0! |
| 5 Year Baseline GPCD | | | | |
| **Baseline Year** *Fm SB X7-7 Table 3* | | Service Area Population *Fm SB X7-7 Table 3* | Gross Water Use *Fm SB X7-7 Table 4* | Daily Per Capita Water Use |
| Year 1 | 0 | - | - | |
| Year 2 | 0 | - | - | |
| Year 3 | 0 | - | - | |
| Year 4 | 0 | - | - | |
| Year 5 | 0 | - | - | |
| 5 Year Average Baseline GPCD | | | | #DIV/0! |
| 2020 Compliance Year GPCD | | | | |
| **2020** | | - | - | |
| NOTES: | | | | |

## SB X7-7 Table 6: Gallons per Capita per Day, Summary

| **SB X7-7 Table 6**: Gallons per Capita per Day<br>*Summary From Table SB X7-7 Table 5* | |
|---|---|
| 10-15 Year Baseline GPCD | #DIV/0! |
| 5 Year Baseline GPCD | #DIV/0! |
| 2020 Compliance Year GPCD | |
| NOTES: | |

## SB X7-7 Table 7: 2020 Target Method

| **SB X7-7 Table 7: 2020 Target Method**<br>*Select Only One* | | |
|---|---|---|
| Target Method | | Supporting Documentation |
| ☐ | Method 1 | SB X7-7 Table 7A |
| ☐ | Method 2 | SB X7-7 Tables 7B, 7C, and 7D<br>*See UWMP DWR webpage or contact staff for these tables* |
| ☐ | Method 3 | SB X7-7 Table 7-E |
| ☐ | Method 4 | Method 4 Calculator |
| NOTES: | | |

## SB X7-7 Table 7-A: Target Method 1

| SB X7-7 Table 7-A: Target Method 1<br>20% Reduction | |
|---|---|
| 10-15 Year Baseline GPCD | 2020 Target GPCD |
| #DIV/0! | #DIV/0! |
| NOTES: | |

## SB X7-7 Table 7-B: Target Method 2, Target Landscape Water Use

| SB X7-7 Table 7-B: Target Method 2<br>Target Landscape Water Use |
|---|
| Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers can download these from https://data.cnra.ca.gov/dataset/2015-urban-water-management-plans-uwmps-historic-information or contact DWR staff at uwmphelp@water.ca.gov. |

## SB X7-7 Table 7-C: Target Method 2, Target CII Water Use

| SB X7-7 Table 7-C: Target Method 2<br>Target CII Water Use |
|---|
| Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers can access the tables from https://data.cnra.ca.gov/dataset/2015-urban-water-management-plans-uwmps-historic-information or contact DWR staff at uwmphelp@water.ca.gov. |

## SB X7-7 Table 7-D: Target Method 2 Summary

| SB X7-7 Table 7-D: Target Method 2 Summary |
|---|
| Tables for Target Method 2 (SB X7-7 Tables 7-B, 7-C, and 7-D) are not included in the SB X7-7 Verification Form, but are still required for water suppliers using Target Method 2. These water suppliers should contact DWR staff at uwmphelp@water.ca.gov. |

## SB X7-7 Table 7-E: Target Method 3

| SB X7-7 Table 7-E: Target Method 3 | | | | |
|---|---|---|---|---|
| Agency May Select More Than One as Applicable | Percentage of Service Area in This Hydrological Region | Hydrologic Region | "2020 Plan" Regional Targets | Method 3 Regional Targets (95%) |
| ☐ | | North Coast | 137 | 130 |
| ☐ | | North Lahontan | 173 | 164 |
| ☐ | | Sacramento River | 176 | 167 |
| ☐ | | San Francisco Bay | 131 | 124 |
| ☐ | | San Joaquin River | 174 | 165 |
| ☐ | | Central Coast | 123 | 117 |
| ☐ | | Tulare Lake | 188 | 179 |
| ☐ | | South Lahontan | 170 | 162 |
| ☐ | | South Coast | 149 | 142 |
| ☐ | | Colorado River | 211 | 200 |
| Target *(If more than one region is selected, this value is calculated.)* | | | | 0 |
| NOTES: | | | | |

## SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target

| SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target | | | |
|---|---|---|---|
| 5 Year Baseline GPCD *From SB X7-7 Table 5* | Maximum 2020 Target[1] | Calculated 2020 Target[2] | **Confirmed 2020 Target** |
| #DIV/0! | | | **0** |
| *[1] Maximum 2020 Target is 95% of the 5 Year Baseline GPCD except for suppliers at or below 100 GPCD.* *[2] 2020 Target is calculated based on the selected Target Method, see SB X7-7 Table 7 and corresponding tables for agency's calculated target.* | | | |
| NOTES: | | | |

## SB X7-7 Table 8: 2015 Interim Target GPCD

| SB X7-7 Table 8: 2015 Interim Target GPCD | | |
|---|---|---|
| Confirmed 2020 Target *Fm SB X7-7 Table 7-F* | 10-15 year Baseline GPCD *Fm SB X7-7 Table 5* | **2015 Interim Target GPCD** |
| 0 | #DIV/0! | **#DIV/0!** |
| NOTES: | | |

## SB X7-7 Table 9: 2020 Compliance

| SB X7-7 Table 9: 2020 Compliance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Actual 2020 GPCD | 2020 Interim Target GPCD | Optional Adjustments *(in GPCD)* Enter "0" if Adjustment Not Used: Extraordinary Events | Weather Normalization | Economic Adjustment | TOTAL Adjustments | Adjusted 2020 GPCD | 2020 GPCD *(Adjusted if applicable)* | **Did Supplier Achieve Targeted Reduction for 2020?** |
| | #DIV/0! | *From Methodology 8 (Optional)* | *From Methodology 8 (Optional)* | *From Methodology 8 (Optional)* | - | #VALUE! | #VALUE! | **#VALUE!** |
| NOTES: | | | | | | | | |