Appendix A

DWR Guidebook UWMP Checklist

This checklist is developed directly from the Urban Water Management Planning Act and SB X7-7. It is provided to support water suppliers during preparation of their UWMPs. The UWMP Checklist is organized according subject matter. In the event that information or recommendations in these tables are inconsistent with, conflict with, or omit the requirements of the Act or applicable laws, the Act or other laws shall prevail.

Each water supplier submitting an UWMP can also provide DWR with the UWMP location of the required element by completing the last column of either checklist. This will support DWR in its review of these UWMPs. The completed form can be included with the UWMP.

If an item does not pertain to a water supplier, then state the UWMP requirement and note that it does not apply to the agency. For example, if a water supplier does not use groundwater as a water supply source, then there should be a statement in the UWMP that groundwater is not a water supply source.

Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10615	A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities.	Introduction and Overview	Chapter 1	Section 1.2
10630.5	Each plan shall include a simple description of the supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information. Additionally, a supplier may also choose to include a simple description at the beginning of each chapter.	Summary	Chapter 1	Section 1
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.2	Section 2.1
10620(d)(3)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.6	Section 2.5.2
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan Preparation	Section 2.6.2	Sections 2.1 and 10.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(h)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) - if any - with water use projections from that source.	System Supplies	Section 2.6, Section 6.1	Section 2.5.1
10631(h)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.6	Not Applicable (Wholesale Only)
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	Section 3.1
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	Section 3.2
10631(a)	Provide population projections for 2025, 2030, 2035, 2040 and optionally 2045.	System Description	Section 3.4	Section 3.3
10631(a)	Describe other social, economic, and demographic factors affecting the supplier's water management planning.	System Description	Section 3.4.2	Section 3.3.3
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and5.4	Section 3.3.2
10631(a)	Describe the land uses within the service area.	System Description	Section 3.5	Section 4.2
10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	Sections 4.2 and 4.2.1
10631(d)(3)(C)	Retail suppliers shall provide data to show the distribution loss standards were met.	System Water Use	Section 4.2.4	Section 4.3
10631(d)(4)(A)	In projected water use, include estimates of water savings from adopted codes, plans, and other policies or laws.	System Water Use	Section 4.2.6	Section 4.4
10631(d)(4)(B)	Provide citations of codes, standards, ordinances, or plans used to make water use projections.	System Water Use	Section 4.2.6	Section 4.4
10631(d)(3)(A)	Report the distribution system water loss for each of the 5 years preceding the plan update.	System Water Use	Section 4.3.2.4	Section 4.3
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.4	Section 4.5
10635(b)	Demands under climate change considerations must be included as part of the drought risk assessment.	System Water Use	Section 4.5	Section 4.6

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5	Sections 5.2, 5.3, 5.4, 5.5, and 5.6
10608.24(b)	Retail suppliers shall meet their water use target by December 31, 2020.	Baselines and Targets	Chapter 5	Section 5.6.1, 5.6.2, and 5.7
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	Not Applicable (Wholesale Only)
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.2	Section 5.7.1
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5-year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.5	Section 5.6.1
10608.4	Retail suppliers shall report on their compliance in meeting their water use targets. The data shall be reported using a standardized form in the SBX7-7 2020 Compliance Form.	Baselines and Targets	Section 5.5 and Appendix E	Section 5.7 and 5.7.1; Appendix D
10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought.	System Supplies	Sections 6.1 and 6.2	Section 7.2
10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought, including changes in supply due to climate change.	System Supplies	Sections 6.1	Section 7.2 and 4.6
10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System Supplies	Section 6.1	Not Applicable (Section 6.2)
10631(b)(3)	Describe measures taken to acquire and develop planned sources of water.	System Supplies	Section 6.1.1	Section 6.9
10631(a)	Identify and quantify the existing and planned sources of water available for 2020, 2025, 2030,2035, 2040 and optionally 2045.	System Supplies	Section 6.2.8	Section 6.9

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10631(b)(4)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	Section 6.2
10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	Section 6.2.2, Appendix F
10631(b)(4)(B)	Describe the groundwater basin.	System Supplies	Section 6.2.2	Section 6.2.1
10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	Section 6.2.1
10631(b)(4)(B)	For unadjudicated basins, indicate whether or not the department has identified the basin as a high or medium priority. Describe efforts by the supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	System Supplies	Section 6.2.2.1	Sections 6.2.1 and 6.2.2
10631(b)(4)(C)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.2.4	Section 6.2.4
10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Section 6.2.2	Section 6.9
10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.2.7	Section 6.7
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.2.5	Sections 6.5.2, 6.5.3
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2.5	Section 6.5.3
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.2.5	Section 6.5.4 (Not Applicable)
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.2.5	Section 6.5.4 (Not Applicable)

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.2.5	Section 6.5.5 (Not Applicable)
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.2.5	Section 6.5.5 (Not Applicable)
10631(g)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.2.6	Section 6.6
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area with quantified amount of collection and treatment and the disposal methods.	System Supplies (Recycled Water)	Section 6.2.5	Section 6.5.2
10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and for a period of drought lasting 5 consecutive water years.	System Supplies	Section 6.2.8, Section 6.3.7	Section 6.8 and 6.9
10631.2(a)	The UWMP must include energy information, as stated in the code, that a supplier can readily obtain.	System Suppliers, Energy Intensity	Section 6.4 and Appendix O	Section 6.10
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.2	Section 7.1
10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.2.4	Section 7.4
10635(a)	Service Reliability Assessment: Assess the water supply reliability during normal, dry, and a drought lasting five consecutive water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next20 years.	Water Supply Reliability Assessment	Section 7.3	Section 7.3
10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water Supply Reliability Assessment	Section 7.3	Sections 7.2, 7.3, Appendix J
10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts 5consecutive years.	Water Supply Reliability Assessment	Section 7.3	Section 7.3

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water Supply Reliability Assessment	Section 7.3	Section 7.3.3, Appendix J
10635(b)(3)	Include a comparison of the total water supply sources available to the water supplier with the total projected water use for the drought period.	Water Supply Reliability Assessment	Section 7.3	Sections 7.3.3
10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.	Water Supply Reliability Assessment	Section 7.3	Section 7.1
10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water Shortage Contingency Planning	Chapter 8	Appendix J
10632(a)(1)	Provide the analysis of water supply reliability (from Chapter 7 of Guidebook) in the WSCP	Water Shortage Contingency Planning	Chapter 8	Appendix J, Chapter 1
10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the water shortage contingency plan to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water Shortage Contingency Planning	Section 8.10	Appendix J, Chapter 10
10632(a)(2)(A)	Provide the written decision- making process and other methods that the supplier will use each year to determine its water reliability.	Water Shortage Contingency Planning	Section 8.2	Appendix J, Chapter 2
10632(a)(2)(B)	Provide data and methodology to evaluate the supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water Shortage Contingency Planning	Section 8.2	Appendix J, Chapter 2.3.2
10632(a)(3)(A)	Define six standard water shortage levels of 10, 20, 30, 40, 50 percent shortage and greater than 50 percent shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water Shortage Contingency Planning	Section 8.3	Appendix J, Chapter 3.1
10632(a)(3)(B)	Suppliers with an existing water shortage contingency plan that uses different water shortage levels must cross reference their categories with the six standard categories.	Water Shortage Contingency Planning	Section 8.3	Appendix J (Not Applicable)

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10632(a)(4)(A)	Suppliers with water shortage contingency plans that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water Shortage Contingency Planning	Section 8.4	Appendix J, Chapter 4.1
10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water Shortage Contingency Planning	Section 8.4	Appendix J, Chapter 4.2
10632(a)(4)(C)	Specify locally appropriate operational changes.	Water Shortage Contingency Planning	Section 8.4	Appendix J, Chapter 4.3
10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition to state-mandated prohibitions are appropriate to local conditions.	Water Shortage Contingency Planning	Section 8.4	Appendix J, Chapter 4.5
10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water Shortage Contingency Planning	Section 8.4	Appendix J, Chapter 4.5 Table 4-4
10632.5	The plan shall include a seismic risk assessment and mitigation plan.	Water Shortage Contingency Plan	Section 8.4.6	Appendix J, Chapter 3.3
10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water Shortage Contingency Planning	Section 8.5	Appendix J, Chapter 5
10632(a)(5)(B) 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water Shortage Contingency Planning	Section 8.5 and8.6	Appendix J, Chapter 5
10632(a)(6)	Retail supplier must describe how it will ensure compliance with and enforce provisions of the WSCP.	Water Shortage Contingency Planning	Section 8.6	Appendix J, Chapter 6
10632(a)(7)(A)	Describe the legal authority that empowers the supplier to enforce shortage response actions.	Water Shortage Contingency Planning	Section 8.7	Appendix J, Chapter 7
10632(a)(7)(B)	Provide a statement that the supplier will declare a water shortage emergency Water Code Chapter 3.	Water Shortage Contingency Planning	Section 8.7	Appendix J, Chapter 5 or 7

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10632(a)(7)(C)	Provide a statement that the supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water Shortage Contingency Planning	Section 8.7	Appendix J, Chapter 5
10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Section 8.8	Appendix J, Chapter 8
10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water Shortage Contingency Planning	Section 8.8	Appendix J, Chapter 8
10632(a)(8)(C)	Retail suppliers must describe the cost of compliance with Water Code Chapter 3.3: Excessive Residential Water Use During Drought	Water Shortage Contingency Planning	Section 8.8	Appendix J, Chapter 8 Table 8-1
10632(a)(9)	Retail suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data is collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water Shortage Contingency Planning	Section 8.9	Appendix J, Chapter 9
10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water Shortage Contingency Planning	Section 8.11	Appendix J, Chapter 11
10635(c)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 30 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Sections 8.12 and10.4	Appendix J, Chapter 12.2
10632(c)	Make available the Water Shortage Contingency Plan to customers and any city or county where it provides water within 30 after adopted the plan.	Water Shortage Contingency Planning	Section 8.14	Appendix J, Chapter 12.2
10631(e)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and9.3	Not Applicable
10631(e)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and9.3	Section 9.1, 9.2

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets (recommended to discuss compliance).	Plan Adoption, Submittal, and Implementation	Chapter 10	Section 10.3
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. Reported in Table 10-1.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	Section 10.2.1
10621(f)	Each urban water supplier shall update and submit its 2020 plan to the department by July 1, 2021.	Plan Adoption, Submittal, and Implementation	Section 10.4	Sections 10.3.1, 10.4
10642	Provide supporting documentation that the urban water supplier made the plan and contingency plan available for public inspection, published notice of the public hearing, and held a public hearing about the plan and contingency plan.	Plan Adoption, Submittal, and Implementation	Sections 10.2.2,10.3, and 10.5	Sections 10.2, 10.3
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Section 10.2.2	Section 10.2.1
10642	Provide supporting documentation that the plan and contingency plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.2	Section 10.3.1
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4	Section 10.4.3
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4	Section 10.4, 10.4.4
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1and 10.4.2	Sections 10.4
10645(a)	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location
10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its water shortage contingency plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	Section 10.5
10621(c)	If supplier is regulated by the Public Utilities Commission, include its plan and contingency plan as part of its general rate case filings.	Plan Adoption, Submittal, and Implementation	Section 10.6	Not Applicable
10644(b)	If revised, submit a copy of the water shortage contingency plan to DWR within 30 days of adoption.	Plan Adoption, Submittal, and Implementation	Section 10.7.2	Not Applicable (Section 10.6)

Appendix B

Documentation of Agency Coordination and Notices

Kennedy Jenks

10 April 2021

Evan Markey
District Manager
California Water Service - Marysville District
1720 North First Street
San Jose, CA 95112

Subject: Linda County Water District
2020 Urban Water Management Plan Preparation Notification and Information Request
KJ 1770003*14

Dear Mr. Markey:

Kennedy/Jenks Consultants, Inc. (Kennedy Jenks) is currently in the process of preparing the 2020 Urban Water Management Plan (UWMP) for Linda County Water District (LCWD) as required by State of California Law through the Urban Water Management Planning Act. The UWMP Act requires that Urban Water Retailers document water supply, reliability and other issues through the year 2045. This letter is provided as your official notice of UWMP preparation and request for information since your agency has governmental jurisdiction, possibly including land use planning over the LCWD service area. The UWMP process is intended to be a collaborative effort between all project stakeholders to the extent practicable.

Please review the enclosed figure showing the LCWD service area and advise whether there are any issues that should be considered by Kennedy Jenks in preparation of this UWMP. Items for consideration may include land developments anticipated between 2020 and 2045 within or immediately adjacent to the water system. Please also provide any pertinent supporting documentation. We will be happy to provide you with an electronic copy of the 2015 UWMP at your request.

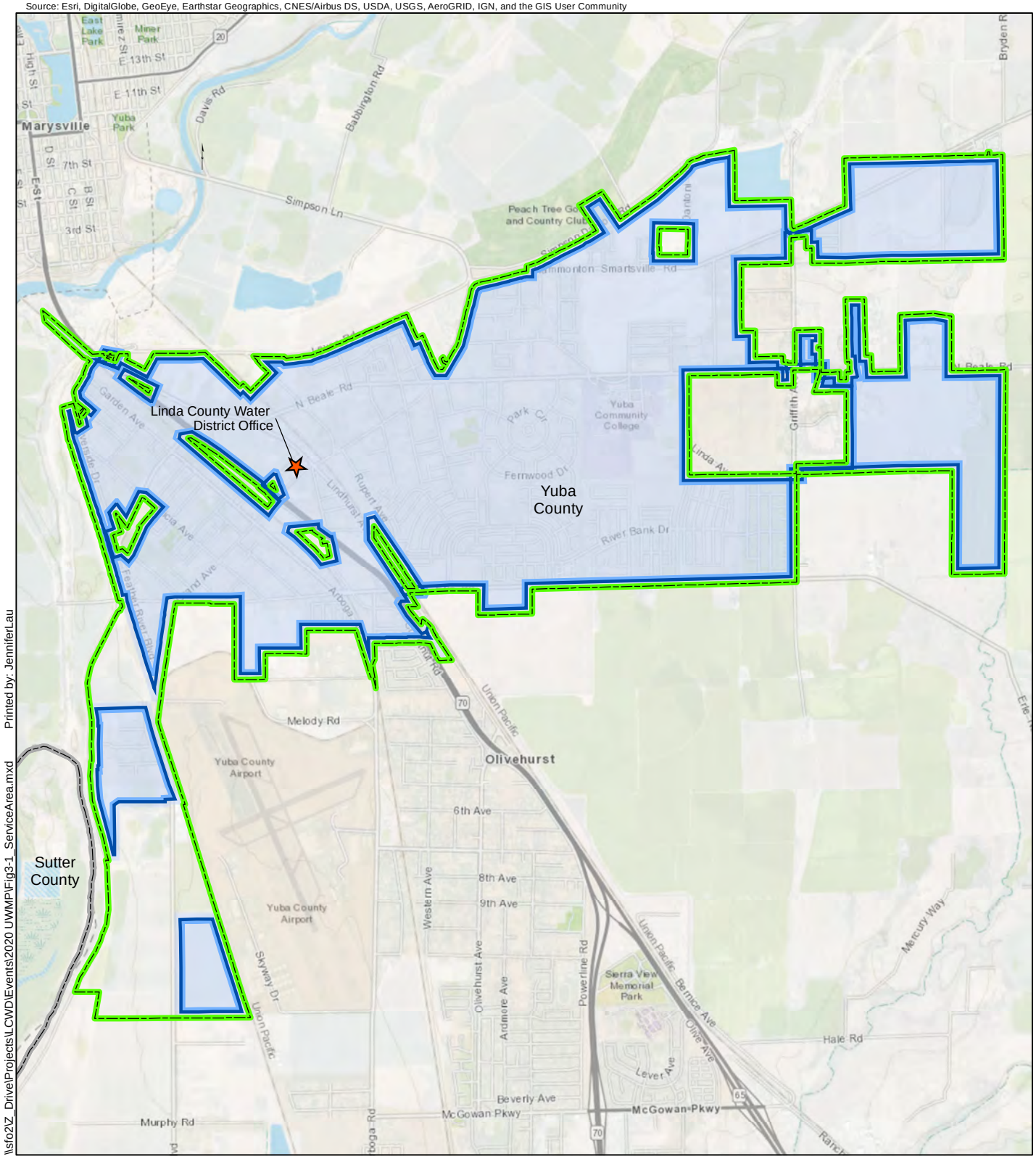
We appreciate timely attention to the information requested above and ask you to provide a response **no later than 23 April 2021**. Kennedy Jenks is preparing the UWMP under contract with LCWD and will be contacting you directly within the next few weeks to follow up on this request. In the meantime, should you have any questions or concerns please feel free to contact Jennifer Larsen with Kennedy Jenks at jenniferlau@kennedyjenks.com or (916) 858-2714.

Very truly yours,

Kennedy/Jenks Consultants, Inc.

Jennifer Larsen, P.E.
Project Manager

Enclosure



Legend

- Linda County Water District Service Area
- Sphere of Influence

N

0 1,750 3,500

Feet

Kennedy Jenks

2020 Urban Water Management Plan
Linda County Water District

System Service Area

1770003.14

Figure 3-1

Kennedy Jenks

10 April 2021

John Tillotson, P.E.
General Manager
Olivehurst Public Utility District
1970 9th Ave
Olivehurst, CA 95961

Subject: Linda County Water District
2020 Urban Water Management Plan Preparation Notification and Information Request
KJ 1770003*14

Dear Mr. Tillotson:

Kennedy/Jenks Consultants, Inc. (Kennedy Jenks) is currently in the process of preparing the 2020 Urban Water Management Plan (UWMP) for Linda County Water District (LCWD) as required by State of California Law through the Urban Water Management Planning Act. The UWMP Act requires that Urban Water Retailers document water supply, reliability and other issues through the year 2045. This letter is provided as your official notice of UWMP preparation and request for information since your agency has governmental jurisdiction, possibly including land use planning over the LCWD service area. The UWMP process is intended to be a collaborative effort between all project stakeholders to the extent practicable.

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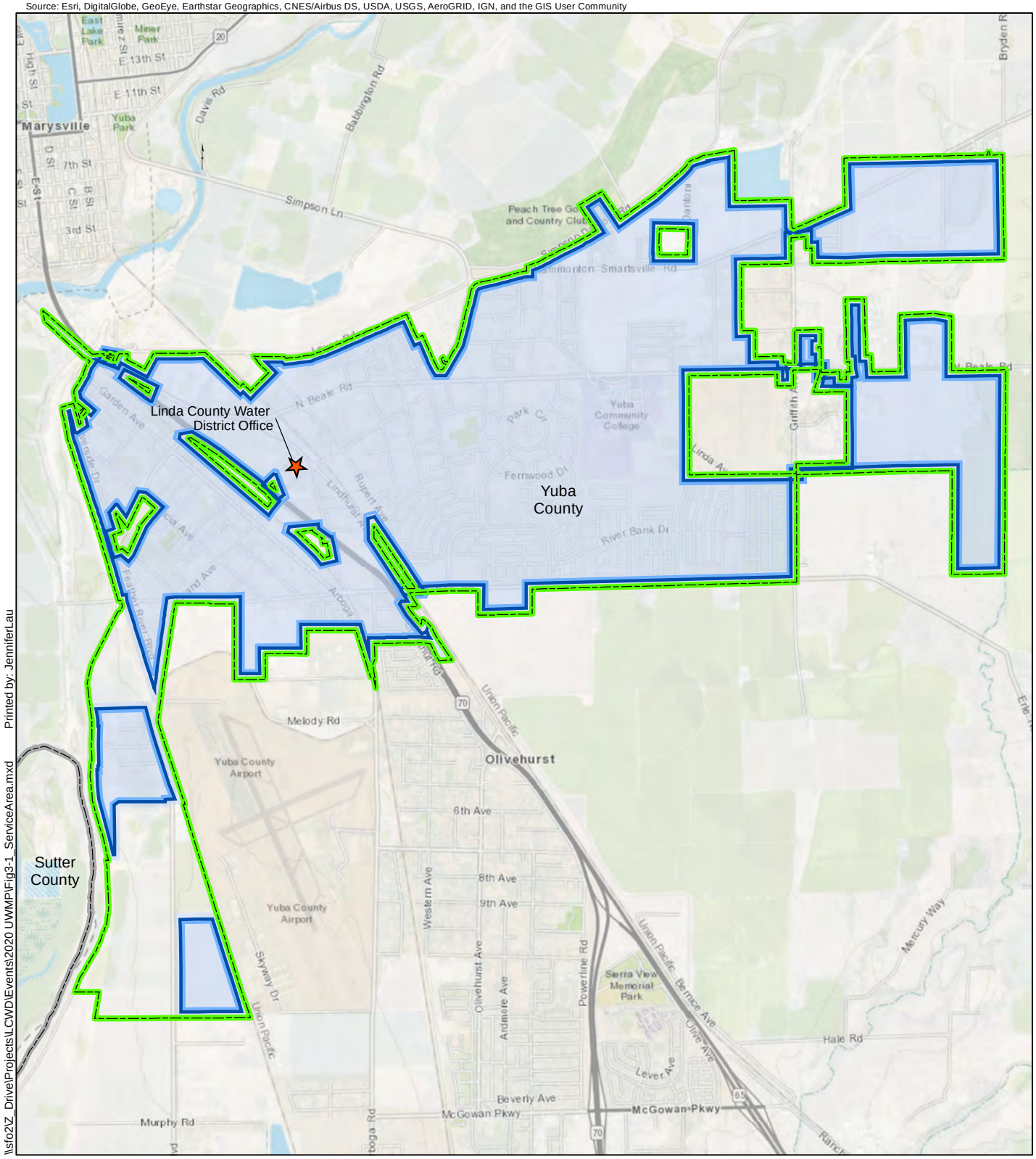
Very truly yours,

Kennedy/Jenks Consultants, Inc.

Jennifer Larsen, P.E.
Project Manager

Enclosure

2882 Prospect Park Drive, Suite 240 | Rancho Cordova, CA 95670
(916) 858-2714 | JenniferLau@kennedyjenks.com



Legend

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- Sphere of Influence

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0 1,750 3,500

Feet

Kennedy Jenks

2020 Urban Water Management Plan
Linda County Water District

System Service Area

1770003.14

Figure 3-1

Kennedy Jenks

10 April 2021

Neal Hay
Director of Development Services
Sutter County
1130 Civic Center Blvd.
Yuba City, CA 95993

Subject: Linda County Water District
2020 Urban Water Management Plan Preparation Notification and Information Request
KJ 1770003*14

Dear Mr. Hay:

Kennedy/Jenks Consultants, Inc. (Kennedy Jenks) is currently in the process of preparing the 2020 Urban Water Management Plan (UWMP) for Linda County Water District (LCWD) as required by State of California Law through the Urban Water Management Planning Act. The UWMP Act requires that Urban Water Retailers document water supply, reliability and other issues through the year 2045. This letter is provided as your official notice of UWMP preparation and request for information since your agency has governmental jurisdiction, possibly including land use planning over the LCWD service area. The UWMP process is intended to be a collaborative effort between all project stakeholders to the extent practicable.

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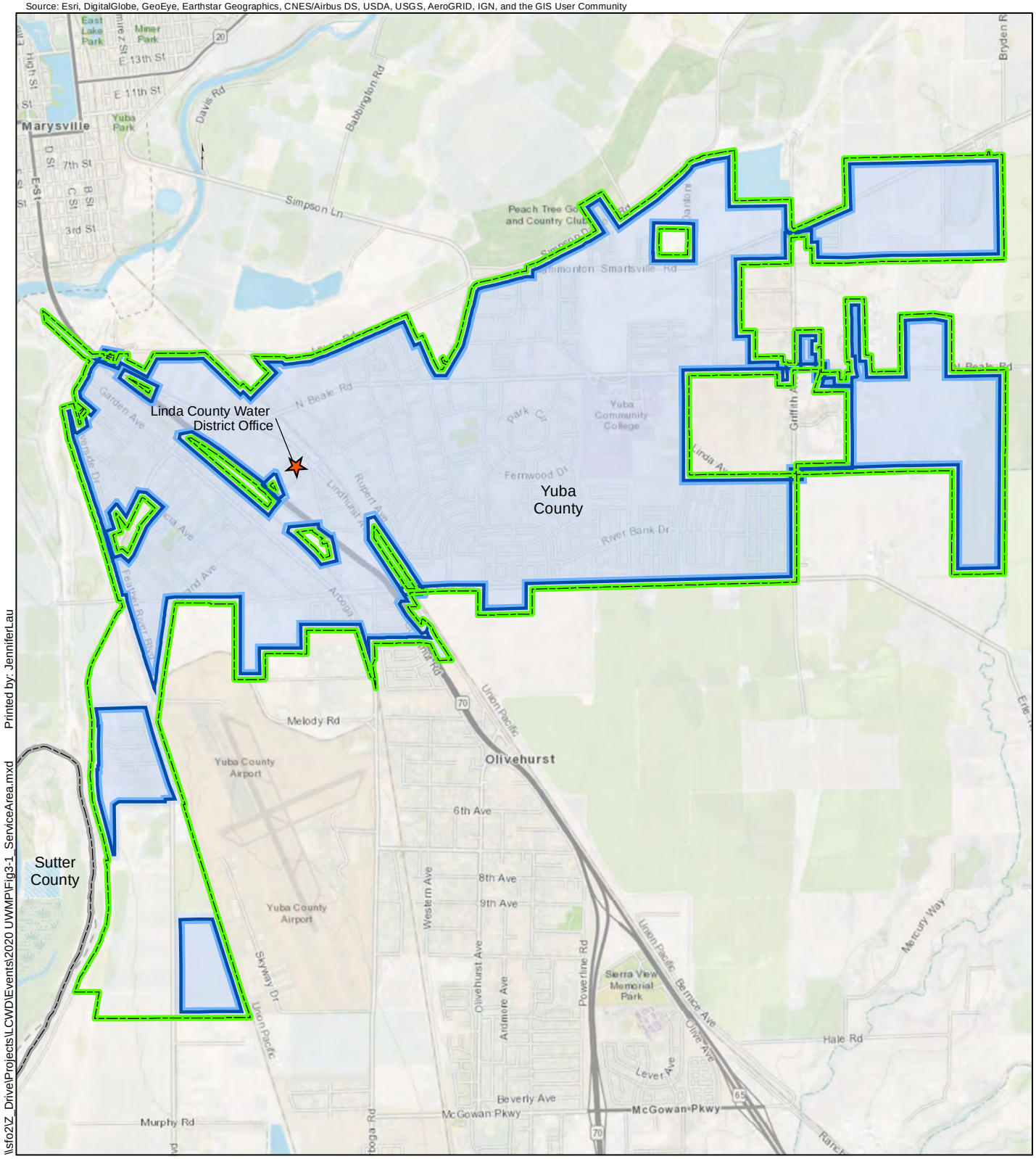
Very truly yours,

Kennedy/Jenks Consultants, Inc.

Jennifer Larsen, P.E.
Project Manager

Enclosure



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- Sphere of Influence

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0 1,750 3,500

Feet

Kennedy Jenks

2020 Urban Water Management Plan
Linda County Water District

System Service Area

1770003.14

Figure 3-1

Kennedy Jenks

10 April 2021

Kevin Perkins
Planning Director
Yuba County
915 8th Street, Suite 123
Marysville, CA 95901

Subject: Linda County Water District
2020 Urban Water Management Plan Preparation Notification and Information Request
KJ 1770003*14

Dear Mr. Perkins:

Kennedy/Jenks Consultants, Inc. (Kennedy Jenks) is currently in the process of preparing the 2020 Urban Water Management Plan (UWMP) for Linda County Water District (LCWD) as required by State of California Law through the Urban Water Management Planning Act. The UWMP Act requires that Urban Water Retailers document water supply, reliability and other issues through the year 2045. This letter is provided as your official notice of UWMP preparation and request for information since your agency has governmental jurisdiction, possibly including land use planning over the LCWD service area. The UWMP process is intended to be a collaborative effort between all project stakeholders to the extent practicable.

Please review the enclosed figure showing the LCWD service area and advise whether there are any issues that should be considered by Kennedy Jenks in preparation of this UWMP. Items for consideration may include land developments anticipated between 2020 and 2045 within or immediately adjacent to the water system. Please also provide any pertinent supporting documentation. We will be happy to provide you with an electronic copy of the 2015 UWMP at your request.

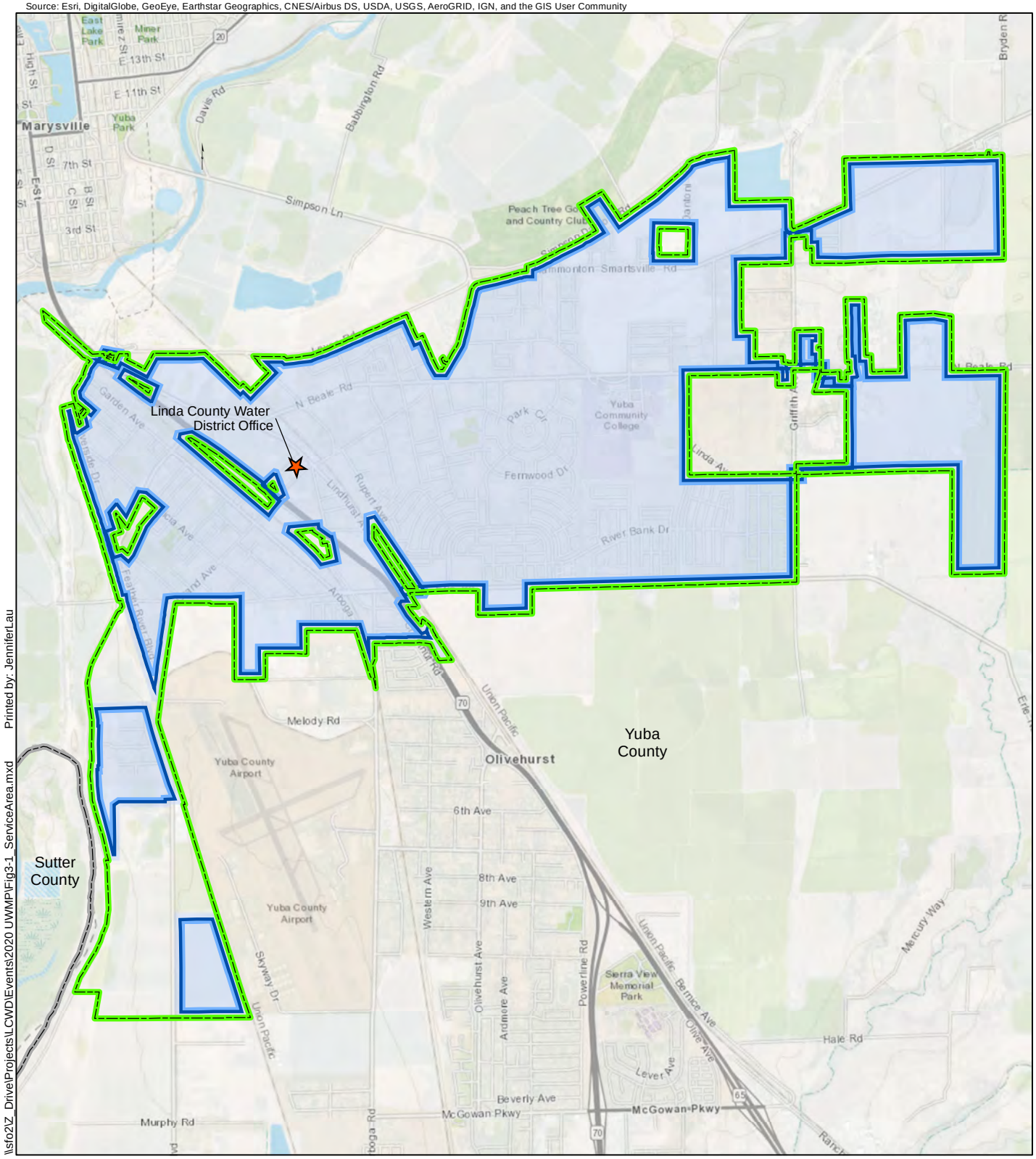
We appreciate timely attention to the information requested above and ask you to provide a response **no later than 23 April 2021**. Kennedy Jenks is preparing the UWMP under contract with LCWD and will be contacting you directly within the next few weeks to follow up on this request. In the meantime, should you have any questions or concerns please feel free to contact Jennifer Larsen with Kennedy Jenks at jenniferlau@kennedyjenks.com or (916) 858-2714.

Very truly yours,

Kennedy/Jenks Consultants, Inc.

Jennifer Larsen, P.E.
Project Manager

Enclosure



Legend

- Linda County Water District Service Area
- Sphere of Influence

N

0 1,750 3,500

Feet

Kennedy Jenks

2020 Urban Water Management Plan
Linda County Water District

System Service Area

1770003.14

Figure 3-1

Kennedy Jenks

10 April 2021

Scott Matyac
Water Resources Manager
Yuba Water Agency
1200 F Street
Marysville, CA 95901

Subject: Linda County Water District
2020 Urban Water Management Plan Preparation Notification and Information Request
KJ 1770003*14

Dear Mr. Matyac:

Kennedy/Jenks Consultants, Inc. (Kennedy Jenks) is currently in the process of preparing the 2020 Urban Water Management Plan (UWMP) for Linda County Water District (LCWD) as required by State of California Law through the Urban Water Management Planning Act. The UWMP Act requires that Urban Water Retailers document water supply, reliability and other issues through the year 2045. This letter is provided as your official notice of UWMP preparation and request for information since your agency has governmental jurisdiction, possibly including land use planning over the LCWD service area. The UWMP process is intended to be a collaborative effort between all project stakeholders to the extent practicable.

Please review the enclosed figure showing the LCWD service area and advise whether there are any issues that should be considered by Kennedy Jenks in preparation of this UWMP. Items for consideration may include land developments anticipated between 2020 and 2045 within or immediately adjacent to the water system. Please also provide any pertinent supporting documentation. We will be happy to provide you with an electronic copy of the 2015 UWMP at your request.

We appreciate timely attention to the information requested above and ask you to provide a response **no later than 23 April 2021**. Kennedy Jenks is preparing the UWMP under contract with LCWD and will be contacting you directly within the next few weeks to follow up on this request. In the meantime, should you have any questions or concerns please feel free to contact Jennifer Larsen with Kennedy Jenks at jenniferlau@kennedyjenks.com or (916) 858-2714.

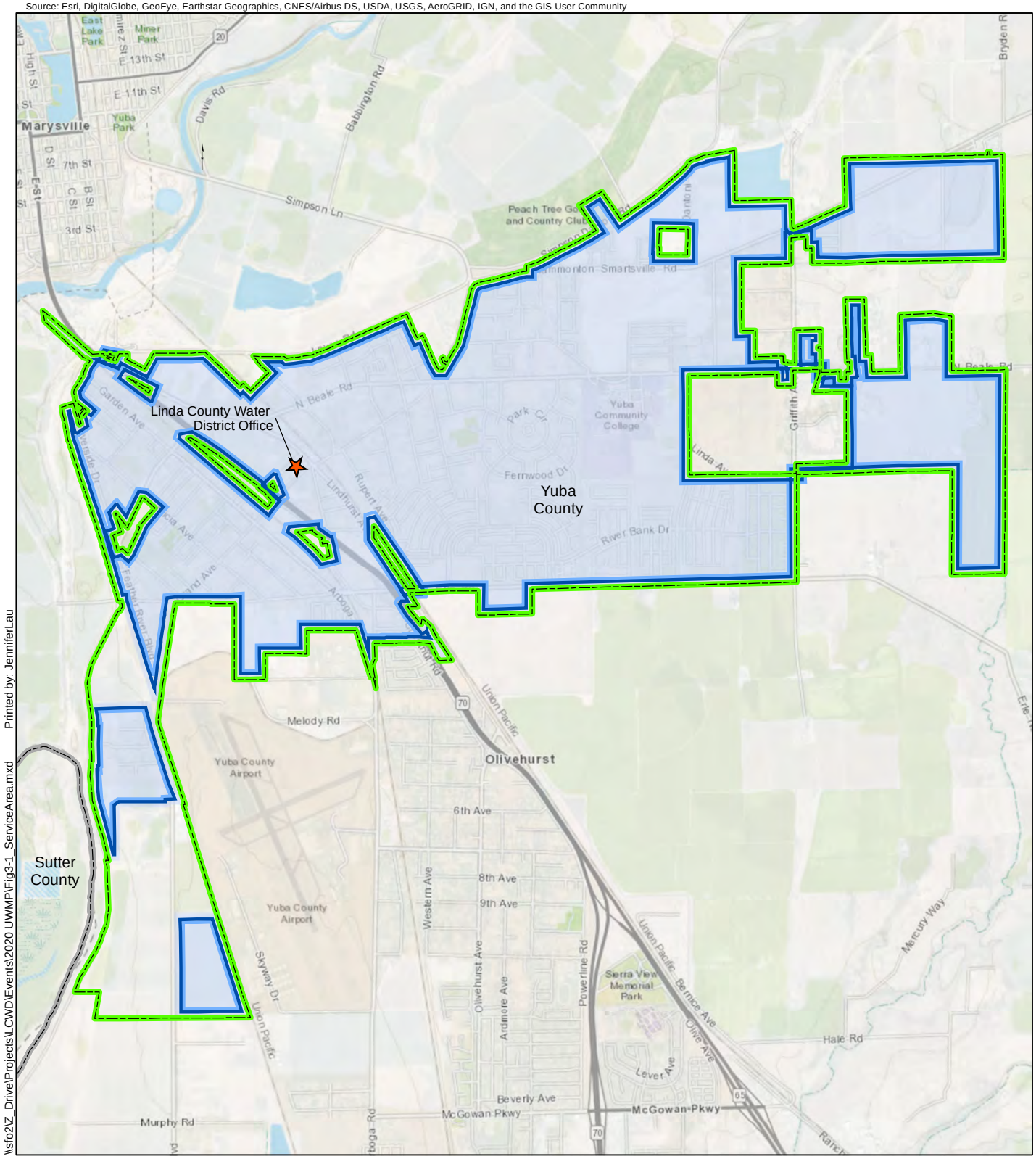
Very truly yours,

Kennedy/Jenks Consultants, Inc.

Jennifer Larsen, P.E.
Project Manager

Enclosure

2882 Prospect Park Drive, Suite 240 | Rancho Cordova, CA 95670
(916) 858-2714 | JenniferLau@kennedyjenks.com



Legend

- Linda County Water District Service Area
- Sphere of Influence

N

0 1,750 3,500

Feet

Kennedy Jenks

2020 Urban Water Management Plan
Linda County Water District

System Service Area

1770003.14

Figure 3-1

Appendix C

American Water Works Association Water Audit

AWWA Free Water Audit Software:
Reporting Worksheet

WAS

? Click to access definition
+ Click to add a comment

Water Audit Report for: Linda County Water District (5810002)
Reporting Year: 2019 1/2019 - 12/2019

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all

<---------- Enter grading in column 'E' and 'J' ---------->

Master Meter and Supply Error Adjustments

WATER SUPPLIED

					Pcnt:		Value:	
Volume from own sources:	+	3	1,177.142	MG/Yr	3			MG/Yr
Water imported:	+	n/a	0.000	MG/Yr				MG/Yr
Water exported:	+	n/a	0.000	MG/Yr				MG/Yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

WATER SUPPLIED: 1,177.142 MG/Yr

AUTHORIZED CONSUMPTION

Click ? for help using option buttons below

					Pcnt:		Value:	
Billed metered:	+	5	930.396	MG/Yr				
Billed unmetered:	+	n/a		MG/Yr				
Unbilled metered:	+	10	4.193	MG/Yr				
Unbilled unmetered:	+	5	14.714	MG/Yr	1.25%	◉ ○		MG/Yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

Use buttons to select percentage of water supplied **OR** value

AUTHORIZED CONSUMPTION: 949.303 MG/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

227.839 MG/Yr

Apparent Losses

					Pcnt:		Value:	
Unauthorized consumption:	+		2.943	MG/Yr	0.25%	◉ ○		MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	+	3	14.232	MG/Yr	1.50%	◉ ○		MG/Yr
Systematic data handling errors:	+	5	2.326	MG/Yr	0.25%	◉ ○		MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 19.501 MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: 208.338 MG/Yr

WATER LOSSES: 227.839 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: 246.746 MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	+	9	72.0	miles
Number of active AND inactive service connections:	+	9	5,022	
Service connection density:			70	conn./mile main

Are customer meters typically located at the curbstop or property line? Yes

Average length of customer service line: + (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: + 5 60.0 psi

COST DATA

Total annual cost of operating water system:	+	10	$1,409,840	$/Year
Customer retail unit cost (applied to Apparent Losses):	+	10	$0.70	$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	+	5	$300.37	$/Million gallons

☑ Use Customer Retail Unit Cost to value real

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 55 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources
2: Customer metering inaccuracies
3: Billed metered

Appendix D1

DWR SBX7-7 2020 Compliance Form

SB X7-7 Table 0: Units of Measure Used in 2020 UWMP* *(select one from the drop down list)*
Acre Feet
**The unit of measure must be consistent throughout the UWMP, as reported in Submittal Table 2-3.*
NOTES:

SB X7-7 Table 2: Method for 2020 Population Estimate	
Method Used to Determine 2020 Population (may check more than one)	
☐	**1. Department of Finance** (DOF) or **American Community Survey** (ACS)
☐	**2. Persons-per-Connection Method**
☑	**3. DWR Population Tool**
☐	**4. Other** DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: 2020 Service Area Population	
2020 Compliance Year Population	
2020	20,943
NOTES:	

SB X7-7 Table 4: 2020 Gross Water Use							
Compliance Year 2020	**2020 Volume Into Distribution System** *This column will remain blank until SB X7-7 Table 4-A is completed.*	**2020 Deductions**					**2020 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.*	
	3,992			-		-	**3,992**

*** Units of measure (AF, MG , or CCF)** must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.

NOTES:

SB X7-7 Table 4-A: 2020 Volume Entering the Distribution System(s), Meter Error Adjustment

Complete one table for each source.

Name of Source	Groundwater
This water source is *(check one)* **:**	
☑	The supplier's own water source
☐	A purchased or imported source

Compliance Year 2020	Volume Entering Distribution System [1]	Meter Error Adjustment [2] *Optional (+/-)*	Corrected Volume Entering Distribution System
	3,992	-	3,992

[1] ***Units of measure (AF, MG , or CCF)*** *must remain consistent throughout the UWMP, as reported in SB X7-7 Table 0 and Submittal Table 2-3.* [2] ***Meter Error Adjustment*** *- See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES

SB X7-7 Table 5: 2020 Gallons Per Capita Per Day (GPCD)		
2020 Gross Water *Fm SB X7-7 Table 4*	**2020 Population** *Fm SB X7-7 Table 3*	**2020 GPCD**
3,992	20,943	**170**
NOTES:		

SB X7-7 Table 9: 2020 Compliance

Actual 2020 GPCD[1]	Optional Adjustments to 2020 GPCD (Enter "0" if Adjustment Not Used)			TOTAL Adjustments[1]	Adjusted 2020 GPCD [1] *(Adjusted if applicable)*	2020 Confirmed Target GPCD [1, 2]	**Did Supplier Achieve Targeted Reduction for 2020?**
	Extraordinary Events[1]	Weather Normalization[1]	Economic Adjustment[1]				
170	-	-	-	-	170	172	**YES**

[1] *All values are reported in GPCD*

[2] ***2020 Confirmed Target GPCD*** *is taken from the Supplier's SB X7-7 Verification Form Table SB X7-7, 7-F.*

NOTES:

Appendix D2

DWR SBX7-7 2015 Verification Tables

Appendix D: SBX7-7 Verification Tables

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

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	**Parameter**	**Value**	**Units**
10- to 15-year baseline period	2008 total water deliveries	3,451	Acre Feet
	2008 total volume of delivered recycled water	0	Acre Feet
	2008 recycled water as a percent of total deliveries	0.00%	Percent
	Number of years in baseline period[1]	10	Years
	Year beginning baseline period range	2001	
	Year ending baseline period range[2]	2010	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2006	
	Year ending baseline period range[3]	2010	
[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 ending year must be between December 31, 2004 and December 31, 2010.			
[3]The ending year must be between December 31, 2007 and December 31, 2010.			
NOTES:			

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

SB X7-7 Table 3: Service Area Population		
Year		Population
10 to 15 Year Baseline Population		
Year 1	2001	-
Year 2	2002	-
Year 3	2003	11,234
Year 4	2004	12,533
Year 5	2005	14,321
Year 6	2006	15,347
Year 7	2007	16,317
Year 8	2008	16,430
Year 9	2009	16,568
Year 10	2010	16,672
5 Year Baseline Population		
Year 1	2006	15,347
Year 2	2007	16,317
Year 3	2008	16,430
Year 4	2009	16,568
Year 5	2010	16,672
2015 Compliance Year Population		
2015		18,105
NOTES:		

SB X7-7 Table 4: Annual Gross Water Use *								
			Deductions					
	Baseline Year *Fm SB X7-7 Table 3*	**Volume Into Distribution System** *Fm SB X7-7 Table(s) 4-A*	Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water *Fm SB X7-7 Table 4-B*	Water Delivered for Agricultural Use	Process Water *Fm SB X7-7 Table(s) 4-D*	**Annual Gross Water Use**
10 to 15 Year Baseline - Gross Water Use								
Year 1	2001				0			0
Year 2	2002				0			0
Year 3	2003	2,728	0	0	0	0		2,728
Year 4	2004	3,036	0	0	0	0		3,036
Year 5	2005	3,055	0	0	0	0		3,055
Year 6	2006	3,906	0	0	0	0		3,906
Year 7	2007	4,202	0	0	0	0		4,202
Year 8	2008	4,299	0	0	0	0		4,299
Year 9	2009	3,919	0	0	0	0		3,919
Year 10	2010	3,689	0	0	0	0		3,689
10 - 15 year baseline average gross water use								**3,604**
5 Year Baseline - Gross Water Use								
Year 1	2006	3,906	0	0	0	0	0	3,906
Year 2	2007	4,202	0	0	0	0	0	4,202
Year 3	2008	4,299	0	0	0	0	0	4,299
Year 4	2009	3,919	0	0	0	0	0	3,919
Year 5	2010	3,689	0	0	0	0	0	3,689
5 year baseline average gross water use								**4,003**
2015 Compliance Year - Gross Water Use								
2015		2,796	0	0	0	0	0	2,796
* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3								
NOTES: Volume is in AF, unless otherwise specified								

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)
Complete one table for each source.

Name of Source	Groundwater			
This water source is:				
☑	The supplier's own water source			
☐	A purchased or imported source			
Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment* *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	2001			0
Year 2	2002			0
Year 3	2003	2,728		2,728
Year 4	2004	3,036		3,036
Year 5	2005	3,055		3,055
Year 6	2006	3,906		3,906
Year 7	2007	4,202		4,202
Year 8	2008	4,299		4,299
Year 9	2009	3,919		3,919
Year 10	2010	3,689		3,689
5 Year Baseline - Water into Distribution System				
Year 1	2006	3,906		3,906
Year 2	2007	4,202		4,202
Year 3	2008	4,299		4,299
Year 4	2009	3,919		3,919
Year 5	2010	3,689		3,689
2015 Compliance Year - Water into Distribution System				
2015		2,796		2,796
** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*				
NOTES:Volume is in AF, unless otherwise specified				

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	2001	-	0	
Year 2	2002	-	0	
Year 3	2003	11,234	2,728	217
Year 4	2004	12,533	3,036	216
Year 5	2005	14,321	3,055	190
Year 6	2006	15,347	3,906	227
Year 7	2007	16,317	4,202	230
Year 8	2008	16,430	4,299	234
Year 9	2009	16,568	3,919	211
Year 10	2010	16,672	3,689	198
10-15 Year Average Baseline GPCD				**215**
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	2006	15,347	3,906	227
Year 2	2007	16,317	4,202	230
Year 3	2008	16,430	4,299	234
Year 4	2009	16,568	3,919	211
Year 5	2010	16,672	3,689	198
5 Year Average Baseline GPCD				**220**
2015 Compliance Year GPCD				
2015		18,105	2,796	138
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	215
5 Year Baseline GPCD	220
2015 Compliance Year GPCD	138
NOTES:	

SB X7-7 Table 7: 2020 Target Method *Select Only One*		
Target Method		Supporting Documentation
☑	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D
☐	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator
NOTES:		

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
215	172
NOTES:	

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
☑	100%	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.)*				**167**
NOTES:				

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*	Calculated 2020 Target *Fm Appropriate Target Table*	Confirmed 2020 Target
220	209	172	172
** Maximum 2020 Target is 95% of the 5 Year Baseline GPCD*			
NOTES:			

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
172	215	194
NOTES:		

SB X7-7 Table 9: 2015 Compliance								
		Optional Adjustments *(in GPCD)*						
Actual 2015 GPCD	2015 Interim Target GPCD	Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD	2015 GPCD *(Adjusted if applicable)*	Did Supplier Achieve Targeted Reduction for 2015?
138	194	*0*	*0*	*0*	0	138	138	YES
NOTES:								

Appendix E

DWR Population Tool

WUEdata - Linda County Water District

Sign Out

Please print this page to a PDF and include as part of your UWMP submittal.

Confirmation Information

Generated By	Water Supplier Name	Confirmation #	Generated On
Lilly Imani	Linda County Water District	4626416862	2/25/2021 7:38:15 PM

Boundary Information

Census Year	Boundary Filename	Internal Boundary ID
1990	ServiceAreaBoundary_2018_0118.kml	1465
2000	ServiceAreaBoundary_2018_0118.kml	1465
2010	ServiceAreaBoundary_2018_0118.kml	1465
1990	ServiceAreaBoundary_2018_0118.kml	1465
2000	ServiceAreaBoundary_2018_0118.kml	1465
2010	ServiceAreaBoundary_2018_0118.kml	1465
1990	ServiceAreaBoundary_2018_0118.kml	1465
2000	ServiceAreaBoundary_2018_0118.kml	1465
2010	ServiceAreaBoundary_2018_0118.kml	1465
1990	ServiceAreaBoundary_2018_0118.kml	1465
2000	ServiceAreaBoundary_2018_0118.kml	1465
2010	ServiceAreaBoundary_2018_0118.kml	1465

Baseline Period Ranges

10 to 15-year baseline period

Number of years in baseline period:	10
Year beginning baseline period range:	2001
Year ending baseline period range[1]:	2010

5-year baseline period

Year beginning baseline period range:	2006
Year ending baseline period range[2]:	2010

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

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

Persons per Connection

Year	Census Block Level Total Population	Number of Connections *	Persons per Connection
1990	12,139		4.33
1991	-	-	4.33
1992	-	-	4.33
1993	-	-	4.33
1994	-	-	4.33
1995	-	-	4.33
1996	-	-	4.33
1997	-	-	4.33
1998	-	-	4.33
1999	-	-	4.33
2000	12,631		4.33
2001	-	-	4.33
2002	-	-	4.33
2003	-	-	4.33
2004	-	-	4.33
2005	-	-	4.33
2006	-	-	4.33
2007	-	-	4.33
2008	-	-	4.33
2009	-	-	4.33
2010	16,691	3851	4.33
2011	-	-	4.33
2012	-	-	4.33
2013	-	-	4.33
2014	-	-	4.33
2015	-	-	4.33
2020	-	-	4.33 **

Population Using Persons-Per-Connection

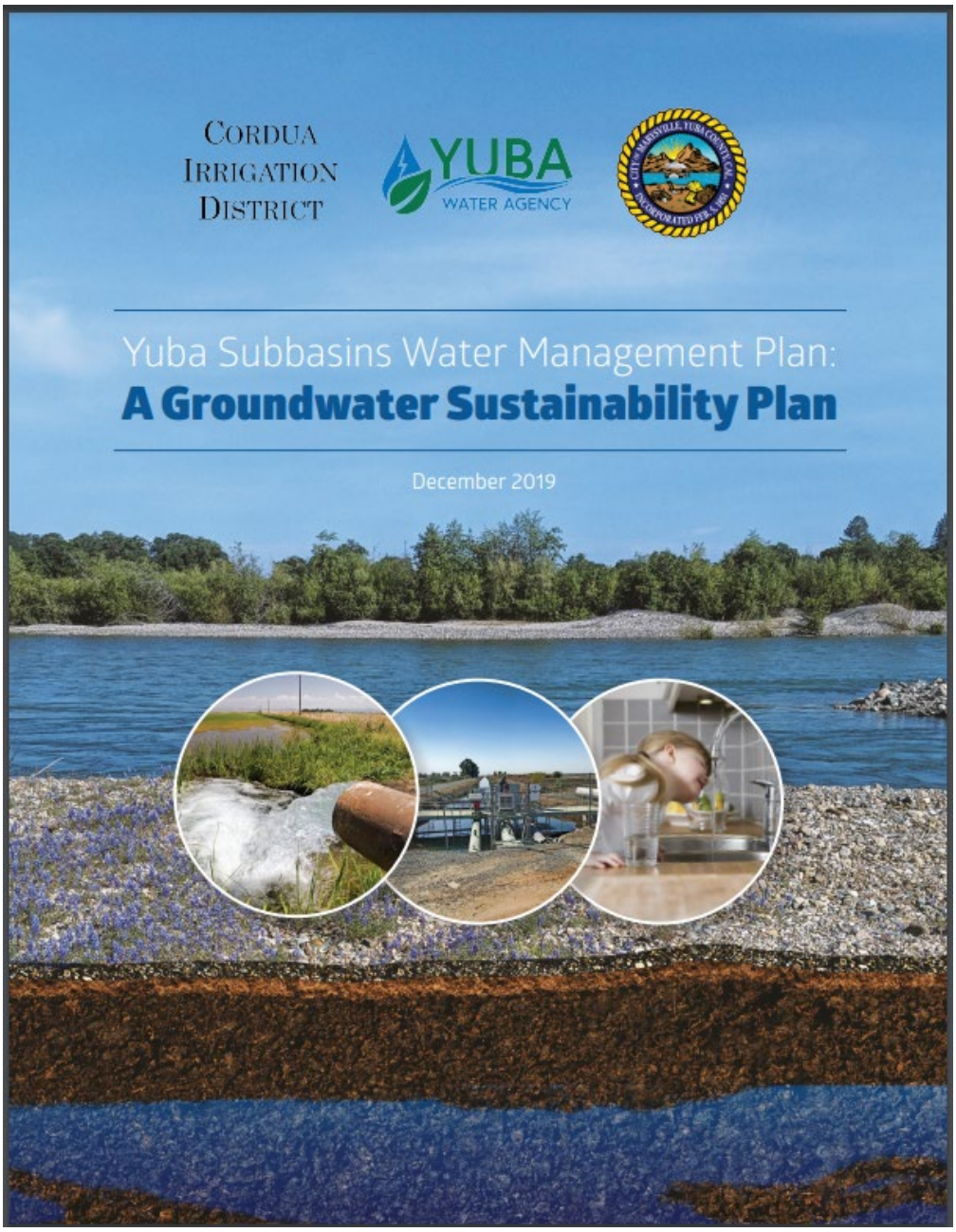
Year		Number of Connections *	Persons per Connection	Total Population
10 to 15 Year Baseline Population Calculations				
Year 1	2001		4.33	
Year 2	2002		4.33	
Year 3	2003	2595	4.33	11,247
Year 4	2004	2895	4.33	12,548
Year 5	2005	3308	4.33	14,338
Year 6	2006	3545	4.33	15,365
Year 7	2007	3769	4.33	16,336
Year 8	2008	3795	4.33	16,448
Year 9	2009	3827	4.33	16,587
Year 10	2010	3851	4.33	16,691
5 Year Baseline Population Calculations				
Year 1	2006	3545	4.33	15,365
Year 2	2007	3769	4.33	16,336
Year 3	2008	3795	4.33	16,448
Year 4	2009	3827	4.33	16,587
Year 5	2010	3851	4.33	16,691
2020 Compliance Year Population Calculations				
2020		4832	4.33 **	20,943

Hide Print Confirmation

Appendix F

Yuba Water Agency Groundwater Sustainability Plan

https://www.yubawater.org/DocumentCenter/View/4441/Yuba_GSP_Final



Appendix G

Current Water Rates

Water Connection and Usage Monthly Service Charge Schedule 2019-2023

Effective Date of annual rate increase

	Current	11/1/19	11/1/20	11/1/21	11/1/22	11/1/23
Water Connection Base Rates listed by meter size in USD						
5/8 Inch Meter	6.50	8.25	10.00	11.75	13.50	15.25
3/4 Inch Meter	9.10	11.85	14.60	17.35	20.10	22.90
1 Inch Meter	11.70	17.00	22.25	27.50	32.80	38.15
1 1/2 Inch Meter	14.30	26.70	39.10	51.50	63.90	76.25
2 Inch Meter	22.05	42.00	62.00	82.00	102.00	122.00
3 Inch Meter	42.80	80.00	117.00	154.00	191.00	228.75
4 Inch Meter	57.10	122.00	187.00	252.00	317.00	381.25
6 Inch Meter	101.15	233.50	366.00	498.00	630.00	762.50
Usage Rate per measured Unit of water (100 cubic feet) all meter sizes USD						
per Unit	0.70	0.85	1.05	1.20	1.40	1.55

A 3% annual adjustment above the projected rates projected in the above table may be included in customer water usage rates, but the inflator will not be implemented unless approved by the Board of Directors.

Section 5.18.3 Connection Fee Deposit.

Each applicant for service who is required to pay a connection fee shall deposit the sum as shown in Article 19 as a non-refundable connection fee deposit. The deposit shall be paid at the time of application.

The amount of the deposit shall be applied as a credit against connection fees when the same are paid. If the applicant does not proceed with the new connection, then the deposit shall be forfeited and retained by the District to cover its administrative costs.

Section 5.18.4 Repealed.

Section 5.18.5 Repealed.

ARTICLE 19

Section 5.19.1 Water Rate Schedules And Charges

District water service customers shall be charged a water service charge consisting of a base rate plus a metered rate as follows:

(A) MONTHLY BASE RATER SERVICE CHARGES:

Meter Size	Monthly Base Rate
5/8-inch	$6.50
3/4-inch	$9.10
1-inch	$11.70
1½-inch	$14.30
2-inch	$22.05
3-inch	$42.80
4-inch	$57.10
6-inch	$101.15
8-inch	$151.70

For any use involving an additional residential dwelling unit or business on the same water meter, there shall be an additional $2.60/month base rate for each additional dwelling unit or business served by the same meter.

(B) MONTHLY METERED RATE SERVICE CHARGES:

Rate per 100 cu. ft. usage $ 0.70

(C) Repealed. (Ord. No. 134)

(D) TEMPORARY SERVICE CHARGES (Sec. 5.15.7)

1. Service charge for temporary water service delivered through a water meter: $39.00/month or for any fraction of a month plus $2.50/1,000 gallons of water used.

2. Service charge for a standard water truck with a capacity of 3,000 gallons or greater: $10.00 per each full or partial filling with water per truck.

3. For smaller water trucks, street sweepers and water vacuums with a capacity of less than 3,000 gallons:

a. User shall apply for and obtain an annual permit for such use from the District Manager. The application/permit shall be in a form as determined by the Manager, and the permit may be subject to reasonable conditions as determined by the Manager. The user must submit an annual application fee of $25.00/ year, any pay to the District a water use charge of $2.50/1,000 gallons of water used.

b. If a user does not obtain a permit as provided in (a), then the user must pay to the District the fee set forth in (2) above for a standard water truck.

(E) PRIVATE FIRE SERVICE - MONTHLY SERVICE CHARGE (Sec. 5.14.5)

Service Pipe Size	Monthly Charge
4-inch	$43.30
6-inch	$48.75
8-inch	$86.65

(F) CONNECTION FEES (Section 5.10.2)

Water Connection Fees by Meter Size and Type				
Meter Size	**Meter Type[a]**	**AWWA Safe Maximum Operating Capacity (GPM[b])**	**Meter Capacity Ratio[c]**	**Connection Fee (per meter)**
5/8"	D	20	1.00	$4,070
3/4"	D	30	1.50	$6,105
1"	D	50	2.50	$10,175
1 1/2"	D	100	5.00	$20,350
2"	D,C, LVT, HVT	160	8.00	$32,560
3"	C	320	16.00	$65,120
3"	LVT, HVT	350	17.50	$71,225
4"	C	500	25.00	$101,750
4"	LVT	600	30.00	$122,100
4"	HVT	630	31.50	$128,205
6"	C	1,000	50.00	$203,500
6"	LVT	1,250	62.50	$254,375
6"	HVT	1,400	70.00	$284,900
8"	C	1,600	80.00	$325,600

Table Notes:

(a) Types of Meters: Displacement (D), Compound Types (C), Class I Low-Velocity Type Turbine (LVT), Class II High-Velocity Type Turbine (HVT)

(b) Source: American Water Works Association (AWWA) Standards for Cold Water Meters C700, 701 and 702 (Displacement, Turbine, and Compound Types)

(c) Capacity ratios are based upon ratio of rated capacity to the minimum size meter (5/8")

Commencing January 1, 2009, the connection fees shall be adjusted annually each January 1 based on the previous year's change in the mean index for 20 U.S. cities and San Francisco in the National Engineering News Record ("ENR") Construction Cost Index. The initial ENR shall be deemed to be 9,102. The District Manager shall make this adjustment and keep and maintain a current schedule of applicable connection fees at the District office.

(G) TEMPORARY SERVICE CONNECTION CHARGE (Sec. 5.15.2)

Installation and Removal of Hydrant Meter $20.00

(H) ANNEXATION FEE (section 5.9.3).

$200/annexation (regardless of size); however, for unusually large and/or complicated annexation proceedings requiring extraordinary District work, the District reserves the right to charge the annexing owner(s) for reimbursement of the actual cost of District staff, attorney and/or engineer time and materials in processing the annexation, instead of the $200 fee.

Appendix H

Public Hearing Notice, Notifications, and
Meeting Notes and LCWD Board Resolution

Appendix I

Documentation of Submittal to Library, Cities and Counties

Appendix J

Linda County Water District Water Shortage Contingency Plan

May 2021

2020 Water Shortage Contingency Plan for **Linda County Water District**

Public Draft

Appendix J

Kennedy Jenks

Appendix K

DWR Submittal Tables

Submittal Table 2-1 Retail Only: Public Water Systems			
Public Water System Number	Public Water System Name	Number of Municipal Connections 2020	Volume of Water Supplied 2020 *
Add additional rows as needed			
5810002	Linda County Water District	5,052	3,992
	TOTAL	5,052	3,992
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*			
NOTES:			

Submittal Table 2-2: Plan Identification			
Select Only One	**Type of Plan**		**Name of RUWMP or Regional Alliance** *if applicable* (select from 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:			

Submittal 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	AF
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*	
NOTES:	

Submittal 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: 1. Not Applicable – No Wholesale Supplier. 2. Table format based on DWR Guidebook Table 2-4 Retail.

Submittal Table 3-1 Retail: Population - Current and Projected						
Population Served	2020	2025	2030	2035	2040	2045*(opt)*
	20,943	22,837	24,903	27,630	29,612	32,290
NOTES: Population from DWR 2020 Population Tool [separate single family (SF) and multi-family (MF) connections without the sphere of influence (SOI)]						

Submittal Table 4-1 Retail: Demands for Potable and Non-Potable Water - Actual			
Use Type	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*
Add additional rows as needed			
Single Family		Drinking Water	2,010
Multi-Family		Drinking Water	701
Commercial	Includes Institutional	Drinking Water	325
Industrial		Drinking Water	0
Landscape		Drinking Water	151
Losses		Drinking Water	656
Other Potable		Drinking Water	
		TOTAL	3,842
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*			
NOTES:			

Submittal Table 4-2 Retail: Use for Potable and Non-Potable Water - Projected

Use Type	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)
Add additional rows as needed						
Single Family		2,242	2,473	2,703	2,934	3,165
Multi-Family		901	994	1,087	1,179	1,272
Commercial	Includes Institutional	353	389	425	462	498
Landscape		178	196	215	233	251
Losses		372	410	448	486	523
Other Potable						
	TOTAL	4,046	4,462	4,878	5,294	5,709

**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Submittal Table 4-3 Retail: Total 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*	3,842	4,046	4,462	4,878	5,294	5,709
Recycled Water Demand[1] *From Table 6-4*	0	0	0	0	0	0
Optional Deduction of Recycled Water Put Into Long-Term Storage[2]						
TOTAL WATER USE	3,842	4,046	4,462	4,878	5,294	5,709

[1] Recycled water demand fields will be blank until Table 6-4 is complete *[2] Long term storage means water placed into groundwater or surface storage that is not removed from storage in the same year. Supplier **may** deduct recycled water placed in long-term storage from their reported demand. This value is manually entered into Table 4-3.*

NOTES:

Submittal Table 4-4 Retail: Last Five Years of Water Loss Audit Reporting	
Reporting Period Start Date (mm/yyyy)	Volume of Water Loss [1,2]
01/2016	464.1
01/2017	458.7
01/2018	617.4
01/2019	699.2
01/2020	655.7
[1] *Taken from the field "Water Losses" (a combination of apparent losses and real losses) from the AWWA worksheet.* [2] ***Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*	
NOTES: 2020 Volume of Water Loss is estimated.	

Submittal Table 4-5 Retail Only: Inclusion in Water Use Projections	
Are Future Water Savings Included in Projections? (Refer to Appendix K of UWMP Guidebook) *Drop down list (y/n)*	No
If "Yes" to above, state the section or page number, in the cell to the right, where citations of the codes, ordinances, or otherwise are utilized in demand projections are found.	
Are Lower Income Residential Demands Included In Projections? *Drop down list (y/n)*	Yes
NOTES:	

Submittal Table 5-1 Baselines and Targets Summary
From SB X7-7 Verification Form
Retail Supplier or Regional Alliance Only

Baseline Period	Start Year *	End Year *	Average Baseline GPCD*	Confirmed 2020 Target*
10-15 year	2003	2010	215	*172*
5 Year	2006	2010	220	

**All cells in this table should be populated manually from the supplier's SBX7-7 Verification Form and reported in Gallons per Capita per Day (GPCD)*

NOTES: The District's first year with reliable connection data is 2003; thu

Submittal Table 5-2: 2020 Compliance **From** **SB X7-7 2020 Compliance Form** *Retail Supplier or Regional Alliance Only*				
2020 GPCD			2020 Confirmed Target GPCD*	Did Supplier Achieve Targeted Reduction for 2020? Y/N
Actual 2020 GPCD*	2020 TOTAL Adjustments*	Adjusted 2020 GPCD* *(Adjusted if applicable)*		
170	*SB X7-7 Table 9*	*SB X7-7 Table 9*	*172*	*SB X7-7 Table 9*
**All cells in this table should be populated manually from the supplier's SBX7-7 2020 Compliance Form and reported in Gallons per Capita per Day (GPCD)*				
NOTES:				

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						
Alluvial Basin	South Yuba Sub-basin	3,011	3,370	3,565	3,613	3,992
	TOTAL	3,011	3,370	3,565	3,613	3,992
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*						
NOTES:						

Submittal 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 2015 service area covered by wastewater collection system *(optional)*						
	Percentage of 2015 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*	
Linda County Water District	Metered	2,672	Linda County Water District	Linda County Water District WWTP	Yes	No	
Total Wastewater Collected from Service Area in 2020:		2,672					
**** Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3* **.**							
NOTES:							

Submittal 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) 2*	Method of Disposal ***Drop down list***	Does This Plant Treat Wastewater Generated Outside the Service Area? ***Drop down list***	Treatment Level ***Drop down list***	2020 volumes [1]				
							Wastewater Treated	Discharged Treated Wastewater	Recycled Within Service Area [3]	Recycled Outside of Service Area	Instream Flow Permit Requirement
Linda Wastewater Treatment Plan	NPDES No. CA 0079651	Feather River Percolation Ponds		Percolation ponds	No	Tertiary	2,672	2,672	0	0	0
						Total	2,672	2,672	0	0	0

[1] **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.
[2] If the **Wastewater Discharge ID Number** is not available to the UWMP preparer, access the SWRCB CIWQS regulated facility website at https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/CiwqsReportServlet?inCommand=reset&reportName=RegulatedFacility

NOTES:

Submittal Table 6-4 Retail: 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 (volume) *Include units*	
Source of 2020 Supplemental Water	

Beneficial Use Type *Insert additional rows if needed.*	**Potential** Beneficial Uses of Recycled Water (Describe)	Amount of **Potential** Uses of Recycled Water (Quantity) *Include volume units* [1]	General Description of 2020 Uses	Level of Treatment *Drop down list*	2020 [1]	2025 [1]	2030[1]	2035[1]	2040[1]	2045[1] (opt)
Agricultural irrigation										
Landscape irrigation (exc 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)										
Reservoir water augmentation (IPR)										
Direct potable reuse										
Other (Description Required)										
				Total:	0	0	0	0	0	0
				2020 Internal Reuse						

[1] ***Units of measure (AF, CCF, MG)*** *must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES:

Submittal 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. If recycled water was not used in 2020, and was not predicted to be in 2015, then check the box and do not complete the table.

Beneficial Use Type	2015 Projection for 2020 [1]	2020 Actual Use[1]
Insert additional rows as needed.		
Agricultural irrigation		
Landscape irrigation (exc 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)		
Reservoir water augmentation (IPR)		
Direct potable reuse		
Other (Description Required)		
Total	0	0

[1] **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.

NOTE:

Submittal 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.		
6-9,6-10	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
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*			
NOTES:			

Submittal 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 *Drop Down List*	Expected Increase in Water Supply to Supplier* *This may be a range*
	Drop Down List (y/n)	*If Yes, Supplier Name*				
Add additional rows as needed						
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*						
NOTES:						

Submittal Table 6-8 Retail: Water Supplies — Actual				
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	Additional Detail on Water Supply	Actual Volume*	Water Quality Drop Down List	Total Right or Safe Yield* (optional)
Add additional rows as needed				
Groundwater (not desalinated)		3,992	Drinking Water	
	Total	3,992		0
Units of measure (AF, CCF, MG) *must remain consistent throughout the UWMP as reported in Table 2-3.*				
NOTES:				

Urban Water Supplier: *Linda County Water District*

Water Delivery Product (If delivering more than one type of product use Table O-1C)

Retail Potable Deliveries

Table O-1B: Recommended Energy Reporting - Total Utility Approach

		Urban Water Supplier Operational Control		
Enter Start Date for Reporting Period	11/1/2019			
End Date	10/30/2020			
☐ Is upstream embedded in the values reported?		**Sum of All Water Management Processes**	**Non-Consequential Hydropower**	
Water Volume Units Used	*AF*	Total Utility	Hydropower	Net Utility
Volume of Water Entering Process (volume unit)		*3,992*	*0*	*3,992*
Energy Consumed (kWh)		*2,002,103*	*0*	*2,002,103*
Energy Intensity (kWh/volume)		*502*	*0*	*502*

Quantity of Self-Generated Renewable Energy

0 kWh

Data Quality *(Estimate, Metered Data, Combination of Estimates and Metered Data)*

Metered Data

Data Quality Narrative:

Energy consumed based on PG&E bills for District water facilities for November 2019-October 2020. Volume of Water Entering Process is based on the District's 2020 pumping reports. It is assumed that the annual energy use difference between November 2019-October 2020 and January 2020-December 2020 is negligible. The energy intensity is assumed to be the total energy consumed (as metered by PG&E) by the District's water facilities and office divided by the total volume of water produced.

Narrative:

The District's supply consists of groundwater well pumps and treatment at each site. Facilities include six groundwater wells, four groundwater treatment facilities, five booster pump stations and a wastewater treatment plant.

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	2004		100%
Single-Dry Year	2001		100%
Consecutive Dry Years 1st Year	2012		100%
Consecutive Dry Years 2nd Year	2013		100%
Consecutive Dry Years 3rd Year	2014		100%
Consecutive Dry Years 4th Year	2015		100%
Consecutive Dry Years 5th Year	2016		100%

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.

***Units of measure (AF, CCF, MG**) must remain consistent throughout the UWMP as reported in Table 2-3.*

NOTES: Base years are based on the Yuba Subbasins Water Management Plan: A Groundwater Sustainability Plan (YWA 2019) historical water budget, which identified water year types (W = Wet year type, AN = Above normal year type, BN = Below nowmal year type, D = Dry year type, C = Critical year type) from the Sacramento Valley Index.

Submittal Table 7-2 Retail: Normal Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 *(Opt)*
Supply totals (*autofill from Table 6-9)*	4,653	5,131	5,610	6,088	6,566
Demand totals *(autofill from Table 4-3)*	4,046	4,462	4,878	5,294	5,709
Difference	607	669	732	794	856
NOTES:					

Submittal Table 6-9 Retail: Water Supplies — Projected											
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	Additional Detail on Water Supply	**2025**		**2030**		**2035**		**2040**		**2045** (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											
Groundwater (not desalinated)	Six Active Wells	4,653		5,131		5,610		6,088		6,566	
Total		4,653	0	5,131	0	5,610	0	6,088	0	6,566	0
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*											
NOTES: The projected water supply that is reasonably available is calculated as the anticipated pumping rate plus 15 percent; to account for annual demand variability											

Submittal Table 7-3 Retail: Single Dry Year Supply and Demand Comparison					
	2025	2030	2035	2040	2045 (Opt)
Supply totals*	4,653	5,131	5,610	6,088	6,566
Demand totals*	4,046	4,462	4,878	5,294	5,709
Difference	607	669	732	794	856
Units of measure (AF, CCF, MG) *must remain consistent throughout the UWMP as reported in Table 2-3.*					
NOTES:					

Submittal Table 7-4 Retail: Multiple Dry Years Supply and Demand Comparison						
		2025*	2030*	2035*	2040*	2045* (Opt)
First year	Supply totals	4,653	5,131	5,610	6,088	6,566
	Demand totals	4,046	4,462	4,878	5,294	5,709
	Difference	607	669	732	794	856
Second year	Supply totals	4,653	5,131	5,610	6,088	6,566
	Demand totals	4,046	4,462	4,878	5,294	5,709
	Difference	607	669	732	794	856
Third year	Supply totals	4,653	5,131	5,610	6,088	6,566
	Demand totals	4,046	4,462	4,878	5,294	5,709
	Difference	607	669	732	794	856
Fourth year	Supply totals	4,653	5,131	5,610	6,088	6,566
	Demand totals	4,046	4,462	4,878	5,294	5,709
	Difference	607	669	732	794	856
Fifth year	Supply totals	4,653	5,131	5,610	6,088	6,566
	Demand totals	4,046	4,462	4,878	5,294	5,709
	Difference	607	669	732	794	856
Sixth year *(optional)*	Supply totals					
	Demand totals					
	Difference	0	0	0	0	0
***Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Table 2-3.*						
NOTES:						

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

2021	Total
Total Water Use	3,691
Total Supplies	16,290
Surplus/Shortfall w/o WSCP Action	12,599
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	2,420
WSCP - use reduction savings benefit	370
Revised Surplus/(shortfall)	15,389
Resulting % Use Reduction from WSCP action	10%

2022	Total
Total Water Use	3,792
Total Supplies	16,290
Surplus/Shortfall w/o WSCP Action	12,498
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	2,420
WSCP - use reduction savings benefit	370
Revised Surplus/(shortfall)	15,288
Resulting % Use Reduction from WSCP action	10%

2023	Total
Total Water Use	3,893
Total Supplies	29,195
Surplus/Shortfall w/o WSCP Action	25,302
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	2,420
WSCP - use reduction savings benefit	370
Revised Surplus/(shortfall)	28,092
Resulting % Use Reduction from WSCP action	10%

2024	Total
Total Water Use	3,994
Total Supplies	29,195
Surplus/Shortfall w/o WSCP Action	25,201
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	2,420
WSCP - use reduction savings benefit	370
Revised Surplus/(shortfall)	27,991
Resulting % Use Reduction from WSCP action	9%

2025	Total
Total Water Use	4,095
Total Supplies	29,195
Surplus/Shortfall w/o WSCP Action	25,100
Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit	2,420
WSCP - use reduction savings benefit	370
Revised Surplus/(shortfall)	27,890
Resulting % Use Reduction from WSCP action	9%

Submittal Table 8-1
Water Shortage Contingency Plan Levels

Shortage Level	Percent Shortage Range	Shortage Response Actions (*Narrative description*)
1	Up to 10%	Alert. Water alert conditions are declared and voluntary conservation is encouraged.
2	Up to 20%	Moderate. LCWD may propose voluntary or mandatory conservation rules. Additional voluntary outdoor irrigation restrictions and certain water use prohibitions will be considered.
3	Up to 30%	Severe. LCWD may propose a voluntary or mandatory reduction in water use by a percentage. LCWD would implement certain mandatory restrictions as required to meet water use cutback targets. LCWD monitors production weekly for compliance with necessary reductions. Use of flow restrictors is implemented if abusive practices are persistent and documented.
4	Up to 40%	Critical. All activities are intensified and production is monitored daily by LCWD for compliance with necessary reductions.
5	Up to 50%	Emergency water restriction. All activities are intensified and production is monitored daily by LCWD for compliance with necessary reductions.
6	>50%	Catastrophic water restriction. All activities are intensified and production is monitored daily by LCWD for compliance with necessary reductions.

NOTES:

Submittal Table 8-2: Demand Reduction Actions

Shortage Level	Demand Reduction Actions ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.*	How much is this going to reduce the shortage gap? *Include units used (volume type or percentage)*	Additional Explanation or Reference *(optional)*	Penalty, Charge, or Other Enforcement? ***For Retail Suppliers Only*** *Drop Down List*
Add additional rows as needed				
I-VI	Expand Public Information Campaign	10%-22%	Based on AWWA 2008 assumes savings of 10% through implementation of a public information campaign and a savings of 22% with enforcement	Yes
I-VI	Provide Rebates on Plumbing Fixtures and Devices	10%	Based on AWWA 2008 assumes savings of 10% through the use of water conservation kits. LCWD is partnered with YWA to provide water conservation kits	Yes
II-VI	Decrease Line Flushing	-	-	Yes
II-VI	Landscape - Restrict or prohibit runoff from landscape irrigation	10%	Includes post rainfall	Yes
III-VI	Other - Reduce distribution system pressure up to 10 psi lower than normal	5-15%	Estimated reduction based on previous implementation during drought conditions.	Yes
III-VI	Other - Prohibit use of potable water for washing hard top surfaces	8-10 gpm water saving	Require auto shutoff nozzle for public health and safety surface cleaning. (YWA Conservation Tips)	Yes

NOTES:
1. Table format based on DWR Guidebook Table 8.2.
2. During the last drought, the District achieved a 12% total water demand reduction with the implementation of all state mandated conservation actions.
3. The District's code book documented the penalty and charge for customer's violation. However, LCWD relies mainly on public outreach to enforce the demand reduction actions throughout its service area.
4. YWA Conservation Tips, https://www.lindawater.com/documents/1248/YubaWater.Com_Water_Conservation_Tips_08-18.pdf
5. AWWA studies indicate that the effectiveness of pricing to reduce water use is very dependent on the affluence of the water utility customer base. As a rule of thumb, AWWA estimates that marginal price increases in water (up to 10 percent) reduce water use by 1.5 to 7 percent; price increases greater than 10 percent are necessary to achieve water use reductions greater than 10 percent (AWWA 2008).

Submittal Table 8-3: Supply Augmentation and Other Actions			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier ***Drop down list*** *These are the only categories that will be accepted by the WUEdata online submittal tool*	How much is this going to reduce the shortage gap? *Include units used (volume type or percentage)*	Additional Explanation or Reference *(optional)*
Add additional rows as needed			
IV-VI	Other Actions – Rehabilitate existing wells, install new production wells, or increase capacity of production wells.	2,420 AFY (Well 12)	

NOTES:
Well 12 is an active well but operated intermittently by LCWD as a standby well due to the benzene levels detected in the well water. Due to its intermittent operation, Well 17 capacity was not included in LCWD's total water supply. Well 12 is approved by DDW as an active production well and can be operated regularly (full-time) with appropriate water quality sampling.

Table 8-4 is not applicable for the UWMP 2020.

Submittal 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		
Sutter County	Yes	Yes
Yuba County	Yes	Yes
NOTES:		