In Use	"Assumed to be.." available	Long term source	Very Long Term	TOTAL	% Distrib x source	Dry Year	WATER SUPPLY REALIBILITY from 2020 UWMP DRAFT 2021
	4,560			**4,560**	***6%***	***3,000***	1. **Ditches / Weber Reservoir Rights (License 2184 and Pre-1914 Water Rights)** are appropriative 4,560 acre-feet has historically been available in average years and is assumed to be available in future average years.
23,000				**23,000**	***31%***	***20,920***	2. **Sly Park Reservoir (License 11835 and 11836 and pre-1914 Camp Creek right)**, **, is the District's only existing supply source whose value during average years is** less than the maximum water right. Although the rights allow up to 33,400 acre-feet, and the District has diverted as much as 25,745 acre-feet, 23,000 acre-feet is used for planning purposes for an average year due to the need to set aside carryover storage for future years.
		7,550		**7,550**	***10%***	***3,775***	3. **Central Valley Project water (Contract 14-06-200-1375A-LTR1-P)** 7,550 acre-feet in average years and is assumed to be available in future average years.
	15,080			**15,080**	***20%***	***15,080***	4. **Project 184 (Pre-1914 appropriative rights from the Upper South Fork American River)** 15,080 acre-feet, to be fully available inaverage years
		17,000		**17,000**	***23%***	***17,000***	5. **Permit 21112** allows the District to divert up to 17,000 acre-feet of water per year at Folsom Reservoir through a Warren Act Contract. This supply has not historically been available in its full amount pending the completion of a temperature control device at the District's intake from Folsom Reservoir, which is expected to be completed in 2021.
	104			**104**	***0%***	***104***	6. **Outingdale/ Middle Fork Cosumnes Supplies (Permit 4071)** provides up to 104 acre-feet per year of water during average years, and is expected to remain at this level in future average years.
							7. **Recycled Water** is projected to provide 3,500 acre-feet in average years. Note that this supply is **non-potable water.**
			7,500	**7,500**	***10%***	***7,500***	8. **Central Valley Project Fazio Water** is expected to include 7,500 acre-feet Once secured, projected to occur by 2035,
23,000	**19,744**	**24,550**	**7,500**	**74,794**	***100%***	**67,379**	**TOTAL SUPPLY**
31%	26%	33%	10%	100%		90%	

The conclusion that EID should have sufficient water available to meet the needs of the Proposed Project, in addition to the other demands in its service area through 2035, rests on the following set of assumptions: ! EID, EDCWA, and EDWPA successfully execute the contracts and obtain the water right permit approvals for currently unsecured water supplies discussed in Section 4. Absent these steps, the water supplies currently held by EID and recognized to be diverted under existing contracts and agreements would be insufficient in 2035 to meet the Proposed Project demands along with all other existing and planned future uses. ! EID will commit to implement Facility Capacity Charges in an amount sufficient to assure the financing is available as appropriate to construct the necessary infrastructure as detailed in the March 2013 EID Integrated Water Resources Master Plan. ! Demand in single-dry years includes an additional 5 percent of demand over the normal year demand during the same time period. This conservative assumption accounts for the likelihood that EID customers will irrigate earlier in the season to account for dry spring conditions. This hypothetical demand augmentation may or may not manifest in dry years, but this conservative assumption further tests the sufficiency of water supplies during dry conditions. ! The estimated demands include 13 percent to account for non-revenue water losses (e.g. distribution system losses). The finding of this WSA is that EID should have sufficient water to meet the demands of Proposed Project and its other service area demands for the next 20 years.

Average Year Water Supply Availability is based on the following assumptions: 2013 WSA

1. Ditches / Weber Reservoir Rights (License 2184 and Pre-1914 Water Rights) are appropriative water rights associated with Slab, Hangtown, Mill, and Weber Creeks. **The maximum value of 4,560 acre-feet has historically been available in average years and is assumed to be available in future average years**
2. 2. Sly Park Reservoir (License 11835 and 11836 and pre-1914 Camp Creek right), also called **Jenkinson Lake, is the District's only existing supply source whose value during average years is less than the maximum water right.** Although the rights allow up to 33,400 acre-feet, and the District has diverted as much as 25,745 acre-feet, **23,000 acre-feet is used for planning purposes** for an average year due to the need to set aside carryover storage for future years.
3. 40 El Dorado Irrigation District 2020 Water Quality Report, Outingdale Water System 41 El Dorado Irrigation District 2020 Water Quality Report, Strawberry Water System 42 The El Dorado Irrigation District Integrated Water Resources Master Plan, March 31, 2013 Chapter 3 – Water Supply 2020 UWMP – Final 3-14 3.
4. Central Valley Project water (Contract 14-06-200-1375A-LTR1-P) has historically been available at its maximum value of 7,550 acre-feet in average years and is assumed to be available in future average years.
5. 4. Project 184 (Pre-1914 appropriative rights from the Upper South Fork American River) have an early priority date that has **allowed this source of water, 15,080 acre-feet, to be fully available in average years** and is assumed to be available in future average years. Supplies for the District's Strawberry system are included in this supply.
6. 5. Permit 21112 allows the District to divert up to 17,000 acre-feet of water per year at Folsom Reservoir through a Warren Act Contract. This supply has not historically been available in its full amount pending the completion of a temperature control device at the District's intake from Folsom Reservoir, **which is expected to be completed in 2021**. Based upon the availability of the supply in Permit 21112, the ability to store the water in Caples, Silver, and Lake Aloha, and the long-term Warren Act Contract with USBR, the average-year availability of this supply is 17,000 acre-feet.
7. 6. Outingdale/ Middle Fork Cosumnes Supplies (Permit 4071) provides up to 104 acre-feet per year of water during average years, and is expected to remain at this level in future average years.
8. 7. **Recycled Water is projected to provide 3,500 acre**-feet in average years. Note that this supply is non-potable, in contrast to the other District supplies presented in this section.
9. **8. Central Valley Project Fazio Water is expected to include 7,500 acre-feet o**r more as authorized by federal law. Once secured, projected to occur by 2035, the District is expected to receive its full entitlement in average years. While the District's existing supplies are sufficient to meet demands throughout all scenarios examined in the planning period based on current conditions and assumptions, securing the Fazio CVP Supply will further improve future reliability. The District's projected average year supplies are summarized in Table 3-2.