

EXHIBIT "C1"
ARVIN-EDISON WATER STORAGE DISTRICT
WATER SUPPLY WATER QUALITY SUMMARY

	Date	Flow cfs	Import Source	Calcium		Magnesium		Sodium		Bicarbonate		Chloride		Nitrate		TDS	pH	EC	Hardness	SAR	Gypsum	Boron	Turbidity
				mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l		umhos/cm	mg/l		lbs/AF	mg/l	NTU
Intake Canal	07/09/25	251	FKC (60%)/CVC (40%)	20.0	1.0	12.0	1.0	45.0	1.9	64	1.0	57.0	1.6	ND	ND	240	8.6	410	99	4.0	N/A	110.00	4.5
	06/17/25	201	FKC (50%)/CVC (50%)	17.0	0.9	9.9	0.8	33.0	1.4	70	1.1	41.0	1.2	ND	ND	190	8.1	340	84	5.0	0.1	110.00	5.1
	05/01/25	100	FKC (100%)	10.0	0.5	5.0	0.4	18.0	0.8	45.0	0.7	22.0	0.6	ND	ND	120.0	7.9	190.0	46.0	7.0	0.1	ND	6.6
	04/10/25	300	FKC (100%)	4.3	0.2	0.8	0.1	4.2	0.2	20.0	0.3	2.8	0.1	ND	ND	53.0	6.9	51.0	14.0	4.0	0.1	ND	28.2
	03/04/25	0	WELLS(100%)	19.0	1.0	9.6	0.8	34.0	1.5	58.0	1.0	38.0	1.1	ND	ND	290.0	9.2	340.0	88.0	4.4	0.1	110.0	13.0
	02/11/25	70	CVC (100%)	21.0	1.1	12.0	1.0	46.0	2.0	75.0	1.2	55.0	1.5	1.4	0.02	220.0	8.5	420.0	100.0	3.6	0.2	170.0	6.0
	01/07/25	0	RESIDUAL/DEWATERED	21.0	1.1	10.0	0.8	50.0	2.2	110.0	1.8	57.0	1.6	3.4	0.05	220.0	8.3	430.0	97.0	2.7	0.2	160.0	14.4
	12/11/24	25	CVC (100%)	18.0	0.9	9.0	0.7	37.0	1.6	110.0	1.8	49.0	1.4	1.1	0.02	190.0	7.3	350.0	81.0	4.1	0.2	100.0	22.0
	11/08/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/15/24	30	FKC(100%)	7.1	0.4	3.2	0.3	11.0	0.5	44.0	0.7	13.0	0.4	ND	ND	74.0	8.2	130	31.0	5.7	0.07	ND	2.9
	09/17/24	50	FKC (50%)/CVC (50%)	14.0	0.7	8.1	0.7	26.0	1.1	81.0	1.3	32.0	0.9	ND	ND	150.0	8.5	260	68.0	5.2	0.10	ND	3.3
	08/14/24	101	CVC (100%)	9.3	0.5	4.8	0.4	16.0	0.7	37.0	0.6	19.0	0.5	ND	ND	110.0	8.5	160	43.0	6.5	0.07	ND	7.2
	07/25/24	260	FKC (71%)/CVC (29%)	7.1	0.4	1.9	0.2	9.5	0.4	27	0.4	8.8	0.2	ND	ND	76	19.9	99	26	6.0	0.04	ND	2.6
	06/07/24	840	FKC (100%)	3.7	0.2	0.6	0.1	4.1	0.2	16	0.3	1.4	0.0	ND	ND	19	7.2	41	12	4.4	0.04	ND	3.7
	Average			13.2	0.7	6.7	0.5	25.7	1.1	58.2	1.0	30.5	0.9	2.0	0.0	150.2	9.0	247.8	60.7	4.8	0.1	126.7	9.2
North Canal	07/09/25	40	FKC (44%)/CVC (29%)/WELLS(27%)	24.0	1.2	7.9	0.6	52.0	2.2	87.0	1.4	39.0	1.1	6.9	0.1	240.0	8.4	410.0	92.0	4.1	N/A	340.0	5.1
	06/17/25	106	FKC (30%)/CVC (30%)/WELLS(40%)	33.0	1.7	9.8	0.8	48.0	2.1	100.0	1.6	37.0	1.0	11.0	0.2	290.0	8.3	470.0	120.0	0.7	0.2	330.0	4.9
	05/01/25	82	FKC (46%)/WELLS(54%)	29.0	1.5	8.4	0.7	52.0	2.2	97.0	1.6	41.0	1.2	7.8	0.1	270.0	8.4	460.0	110.0	1.9	0.3	390.0	6.3
	04/10/25	148	FKC (98%)/WELLS(2%)	6.4	0.3	1.0	0.1	5.8	0.3	26.0	0.4	3.4	0.1	ND	ND	32.0	7.2	71.0	20.0	4.4	0.1	ND	13.9
	03/04/25	28	WELLS(100%)	19.0	1.0	4.0	0.3	39.0	1.7	87.0	1.4	20.0	0.6	7.9	0.1	260.0	8.4	320.0	64.0	7.1	0.3	210.0	3.7
	02/11/25	8	CVC (100%)	44.0	2.2	10.0	0.8	73.0	3.1	120.0	2.0	43.0	1.2	27.0	0.4	360.0	8.3	620.0	150.0	ND	0.3	560.0	10.8
	01/07/25	58	WELLS(100%)	18.0	0.9	3.5	0.3	27.0	1.2	120.0	2.0	13.0	0.4	5.8	0.1	120.0	7.5	240.0	59.0	5.3	0.2	120.0	3.7
	12/11/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/08/24	0	WELLS(100%)	22.0	1.1	4.3	0.4	29.0	1.3	96.0	1.6	12.0	0.3	8.4	0.1	180.0	7.5	300	74.0	48.0	0.2	ND	1.9
	10/15/24	48	FKC(23%)/WELLS(77%)	20.0	1.0	4.0	0.3	35.0	1.5	100.0	1.6	18.0	0.5	8.3	0.1	170.0	8.1	300	67.0	5.8	0.3	200.0	4.0
	09/17/24	38	FKC (17%)/CVC (17%)/WELLS(66%)	20.0	1.0	4.6	0.4	37.0	1.6	92.0	1.5	21.0	0.6	7.2	0.1	200.0	8.2	310	69.0	6.2	0.2	230.0	2.7
	08/14/24	164	CVC (47%)/WELLS(53%)	17.0	0.9	4.4	0.4	28.0	1.2	73.0	1.2	19.0	0.5	4.6	0.1	160.0	8.2	250	60.0	6.7	0.2	180.0	8.9
	07/25/24	243	FKC (50%)/CVC (20%)/WELLS(30%)	16.0	0.8	3.6	0.3	27.0	1.2	66.0	1.1	16.0	0.4	4.4	0.1	150.0	8.2	230	54.0	7.4	0.1	220.0	8.5
	06/07/24	800	FKC (100%)	3.8	0.19	0.6	0.05	4.0	0.17	16	0.26	1.5	0.04	ND	ND	16	7.3	44	12	4.3	0.04	ND	6.7
	Average			20.9	1.0	5.1	0.4	35.1	1.5	83.1	1.4	21.8	0.6	9.0	0.1	188.3	8.0	309.6	73.2	8.5	0.2	278.0	6.2
South Canal	06/16/25	134	FKC (42%)/CVC (29%)/WELLS(29%)	25.0	1.3	8.0	0.7	45.0	1.9	100.0	1.6	33.0	0.9	5.9	0.1	220.0	8.3	380.0	96.0	3.2	N/A	250.0	3.3
	07/09/25	274	FKC (27.7%)/CVC (27.7%)/WELLS(44.6%)	29.0	1.5	7.3	0.6	51.0	2.2	110.0	1.8	33.0	0.9	7.4	0.1	270.0	8.1	440.0	100.0	1.8	0.3	380.0	3.1
	05/01/25	70	FKC (42%)/WELLS(58%)	26.0	1.3	7.2	0.6	49.0	2.1	96.0	1.6	33.0	0.9	13.0	0.2	240.0	8.2	420.0	95.0	3.4	0.3	400.0	2.8
	04/10/25	130	FKC (98%)/WELLS(2%)	7.0	0.4	1.1	0.1	5.9	0.3	27.0	0.4	3.4	0.1	ND	ND	32.0	7.0	75.0	22.0	4.3	0.1	ND	15.9
	03/04/25	16	WELLS(100%)	20.0	1.0	5.0	0.4	44.0	1.9	88.0	1.4	25.0	0.7	6.4	0.1	180.0	8.7	350.0	71.0	6.1	0.3	290.0	7.5
	02/11/25	0	CVC (100%)	34.0	1.7	6.8	0.6	74.0	3.2	110.0	1.8	38.0	1.1	14.0	0.2	320.0	8.0	540.0	110.0	ND	0.4	630.0	6.1
	01/07/25	0	SPILLWAY(AQUEDUCT-100%)	16.0	0.8	3.8	0.3	27.0	1.2	110.0	1.8	13.0	0.4	4.1	0.1	140.0	8.0	240.0	56.0	6.2	0.2	140.0	9.5
	12/11/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/08/24	0	WELLS(100%)	16.0	0.8	8.3	0.7	30.0	1.3	73.0	1.2	37.0	1.0	ND	ND	170.0	7.7	320	74.0	5.6	0.1	100.0	4.1
	10/15/24	0	FKC(23%)/WELLS(77%)	21.0	1.1	5.8	0.5	32.0	1.4	110.0	1.8	18.0	0.5	4.2	0.1	220.0	8.2	300	76.0	4.5	0.2	140.0	2.5
	09/17/24	20	FKC (16%)/CVC (16%)/WELLS(67%)	15.0	0.8	6.1	0.5	39.0	1.7	61.0	1.0	22.0	0.6	4.7	0.1	200.0	8.9	300	62.0	7.6	0.2	260.0	5.8
	08/14/24	152	CVC (38%)/WELLS(62%)	23.0	1.2	6.6	0.5	34.0	1.5	89.0	1.5	29.0	0.8	5.5	0.1	190.0	8.2	330	85.0	4.4	0.2	180.0	3.1
	07/25/24	182	FKC (45%)/CVC (18%)/WELLS(37%)	20.0	1.0	4.9	0.4	30.0	1.3	81.0	1.3	22.0	0.6	5.1	0.1	180.0	8.0	280	70.0	5.7	0.2	180.0	4.5
	06/07/24	300	FKC (100%)	3.9	0.20	0.6	0.05	4.0	0.17	16	0.26	1.5	0.04	ND	ND	21	7.2	42	12	4.2	0.04	ND	8.3
	Average			19.7	1.0	5.5	0.5	35.8	1.5	82.4	1.4	23.7	0.7	7.0	0.1	183.3	8.0	309.0	71.5	4.8	0.2	268.2	5.9

EXHIBIT "C1"
ARVIN-EDISON WATER STORAGE DISTRICT
WATER SUPPLY WATER QUALITY SUMMARY

	Date	Flow cfs	Import Source	Calcium		Magnesium		Sodium		Bicarbonate		Chloride		Nitrate		TDS	pH	EC	Hardness	SAR	Gypsum	Boron	Turbidity
				mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l	me/l	mg/l		umhos/cm	mg/l		lbs/AF	mg/l	NTU
<i>Intertie Pipeline</i>	07/09/25	63	FKC (36%)/CVC (24%)/WELLS(25%)/Aqueduct(15%)	20.0	1.0	11.0	0.9	43.0	1.9	70	1.1	56.0	1.6	1.0	0.0	230	8.1	400	N/A	4.2	N/A	130.00	8.0
	06/17/25	40	FKC (27.7%)/CVC (27.7%)/WELLS(44.6%)	25.0	1.3	8.5	0.7	49.0	2.1	88	1.4	36.0	1.0	5.0	0.1	250	8.6	410	97	3.1	0.2	360.00	4.0
	05/01/25	40	FKC (36%)/WELLS(49%)/SPILLWAY(14%)	22.0	1.1	5.4	0.4	42.0	1.8	83.0	1.4	25.0	0.7	5.7	0.1	220.0	8.6	350.0	77.0	5.2	0.3	370.0	6.3
	04/10/25	0	FKC (98%)/WELLS(2%)	8.7	0.4	1.2	0.1	6.3	0.3	31.0	0.5	3.6	0.1	ND	ND	61.0	7.3	84.0	27.0	4.0	0.1	ND	12.4
	03/04/25	0	WELLS(100%)	24.0	1.2	7.3	0.6	41.0	1.8	87.0	1.4	29.0	0.8	5.1	0.1	280.0	8.6	370.0	90.0	3.9	0.2	210.0	13.2
	02/11/25	0	CVC (100%)	19.0	1.0	6.2	0.5	45.0	1.9	74.0	1.2	35.0	1.0	3.3	0.1	200.0	8.8	340.0	73.0	6.5	0.2	270.0	13.5
	01/07/25	0	SPILLWAY(AQUEDUCT-100%)	19.0	1.0	12.0	1.0	55.0	2.4	93.0	1.5	83.0	2.3	2.0	0.0	230.0	7.8	480.0	97.0	3.1	0.2	120.0	6.0
	12/11/24	0	DOWN FOR MAINTENANCE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/08/24	100	WELLS(51%)/AQUEDUCT(49%)	14.0	0.7	8.8	0.7	30.0	1.3	65.0	1.1	48.0	1.3	ND	ND	170.0	7.2	320	72.0	6.0	0.2	ND	5.4
	10/15/24	100	FKC(13%)/WELLS(44%)/AQUEDUCT(43%)	15.0	0.8	9.4	0.8	31.0	1.3	75.0	1.2	42.0	1.2	ND	ND	220.0	7.5	310	77.0	5.3	0.1	ND	4.4
	09/17/24	100	FKC (10%)/CVC (10%)/WELLS(40%)/AQUEDUCT(40%)	13.0	0.7	7.9	0.6	26.0	1.1	65.0	1.1	33.0	0.9	ND	ND	160.0	8.1	260	65.0	6.0	0.1	ND	6.5
	08/14/24	0	CVC (38%)/WELLS(62%)	23.0	1.2	6.5	0.5	35.0	1.5	81.0	1.3	28.0	0.8	4.9	0.1	200.0	8.5	330	83.0	4.5	0.2	220.0	3.8
	07/25/24	0	FKC (45%)/CVC (18%)/WELLS(37%)	22.0	1.1	5.8	0.5	31.0	1.3	69.0	1.1	24.0	0.7	5.8	0.1	190.0	20.1	300	78.0	5.1	0.2	200.0	3.4
	06/07/24	-120	FKC (100%)	3.7	0.19	0.6	0.05	4.1	0.18	16	0.26	2.0	0.06	ND	ND	21	7.2	44	12	4.4	0.04	ND	9.5
	Average			17.6	0.9	7.0	0.6	33.7	1.5	69.0	1.1	34.2	1.0	4.1	0.1	187.1	9.0	307.5	70.7	4.7	0.2	235.0	7.4

Water Supply Water Quality Note: ¹ Positive flow rate is reverse flow into the District. Where the reported value is ND, the method detection limit is entered.

Water Supply Water Quality Note: ² Reverse flow into the District South Canal (Sycamore check gate was closed).

Water Supply Water Quality Note: ³ Constituent ran past sample hold time.

ND: NONE DETECTED.

N/A: NOT AVAILABLE OR NOT TESTED.

PR: PENDING RESULTS

mg/l: MILLIGRAMS PER LITER; SAME AS PARTS PER MILLION

me/l: MILLEQUIVALENTS PER LITER; SAME AS EQUIVALENTS

INTAKE: SAMPLE TAKEN AT COTTONWOOD RD. SOUTH OF PANAMA LANE.

NORTH: SAMPLE TAKEN DOWNSTREAM OF SYCAMORE CHECK GATE.

SOUTH: SAMPLE TAKEN DOWNSTREAM OF TEJON CHECK GATE.

INTERTIE: TERMINUS OF SOUTH CANAL (S93 FOREBAY).

SODIUM: FOR SURFACE IRRIGATION: SAR < 3 IS GOOD. FOR SPRINKLER IRRIGATION: SODIUM < 3 me/l IS GOOD.

NITRATE: NITRATE IN WATER SLIGHTLY REDUCES FERTILIZER REQUIREMENT.

BICARBONATE: BICARBONATE < 1.5 me/l IS SATISFACTORY FOR OVERHEAD SPRINKLERS.

CHLORIDE: FOR SURFACE IRRIGATION CHLORIDE < 4 me/l IS GOOD.

TDS: TDS < 450 IS ACCEPTABLE FOR UNRESTRICTED USE.

GYPSUM: AMOUNT OF CALCIUM SULFATE IN POUNDS PER ACRE-FOOT OF WATER APPLIED. INCREASES WATER PERMEABILITY AND HELPS CORRECT EXCESS SODIUM. INCREASES CLAY FLOCCULATION FOR INCREASING PERMEABILITY.

pH: A MEASURE OF ACIDITY. A pH < 7 IS ACIDIC, pH = 7 IS NEUTRAL, pH > 7 IS BASIC. NORMAL RANGE IS 6.5 - 8.4. A pH > 8 MAY NEED TO BE BUFFERED FOR PESTICIDE APPLICATION. AFFECTS NUTRIENT AVAILABILITY.

EC: ELECTRICAL CONDUCTIVITY. A MEASURE OF WATER SALINITY; SOIL - IN MILLIMHOS PER CENTIMETER (mmho/cm); WATER - MORE OFTEN, IN MICROMHOS PER CENTIMETER (umhos/cm). EC < 700 (umhos/cm) HAS NO RESTRICTIONS FOR AGRICULTURAL USE. EC < 200 (umhos/cm) CAN REDUCE INFILTRATION RATE.

HARDNESS: HARD WATER, INDICATING CALCIUM AND MAGNESIUM, IS BENEFICIAL FOR AGRICULTURE.

SAR: SODIUM ADSORPTION RATIO. A RATIO OF SODIUM TO CALCIUM AND MAGNESIUM. EVALUATE WITH EC.
SAR = 0 - 3 AND EC > 400 ACCEPTABLE
SAR = 3 - 6 AND EC > 900 ACCEPTABLE

BORON: BORON < 0.50 mg/l IS SATISFACTORY FOR ALL CROPS. EXCESSIVE BORON IS PHYTOTOXIC (BURNS) TO PLANTS.