

Table 1A - Non-Potable Water (Non-Potable Well via Riverside Canal) Preliminary Cost Estimate

	ltem	Quantity	Unit	nit Cost 5/Dia-in)	Unit Cost	Total Cost		
1	Well Drilling and Equipping ¹	1	LS		\$ 4,500,000	\$	4,500,000	
2	8-inch DIP (Riverside Canal @ Chase to Clark St.)	1,675	LF	\$ 40	\$ 320	\$	536,000	
3	Canal Modification (Construction of Wet Well) ²	1	LS		\$ 50,000	\$	50,000	
4	Booster Station @ Riverside Canal (5-Hp) ²	1	LS	\$ 150,000	\$ 150,000	\$	150,000	
5	Screen/Filtration System ²	1	LS	\$ 50,000	\$ 50,000	\$	50,000	
6	New Electrical Service ²	1	LS	\$ 50,000	\$ 50,000	\$	50,000	
7	Paving Cost ³	35	%		35%	\$	188,000	
					Subtotal:	\$	5,524,000	
8	Engineering (20%) ⁴					\$	1,105,000	
9	Contingency (20%) ⁵					\$	1,326,000	

Total Cost: \$ 7,955,000

Use: \$ 8,000,000

Notes:

Table 1B - On-Site Improvements (Northside Ag Innovation Center)

ltem		Quantity	Unit	Unit Cost (\$/Dia-in)	Unit Cost		Total Cost	
1	25,000 gal Storage Tank ^{1,2}	1	LS		\$	50,000	\$	50,000
2	Booster Pump ¹	1	LS		\$	10,000	\$	10,000
3	Strainer/Filtration System ^{1,3}	1	LS		\$	5,000	\$	5,000
						Subtotal:	\$	65,000
4	Engineering (20%)						\$	13,000
5	Contingency (20%) ⁴						\$	16,000
						Total Costs	ф	04.000

Total Cost: \$ 94,000 *Use:* \$ 100,000

Notes:

Total Cost (Capital and On-Site Improvement Costs): \$ 8,100,000

WA-6 vs. WA-10 Rate Differential (see Rates Worksheet) 1: \$0.26

Estimated Annual Usage (AFY)²: 4
Estimated Annual Cost Savings: \$451.60
Est. Breakeven Point (years): 17,936

Notes:

New dedicated non-potable well to supply water to NAIC; does not include costs to address potential water quality issues: groundwater in the area is known to contain PFAS, DPCP and/or TCP; additional source water into the Riverside Canal includes stormwater and urban water runoff. Suitability of non-potable water will need to be determined by the NAIC.

 $^{^{\}rm 2.}\,$ Rough estimates provided for Items 3 through 6.

 $^{^{\}rm 3.}$ Paving cost is 35% of Line 2

^{4.} Includes Design and Contract Admin

 $^{^{\}rm 5.}$ Contingency includes Construction Subtotal Cost and Engineering Costs

^{1.} Rough estimates provided for Items 1, 2 and 3.

^{2.} Assumes an above-ground tank; tank was sized for a 1-week capacity at 4 AFY of demand.

^{3.} Depending on the needs of the NAIC food crops, additional advanced treatment of non-potable water might be needed (in the case of edible/organic food crops).

^{4.} Contingency includes Construction Subtotal Cost and Engineering Costs

^{1.} Utilized largest cost differential, which occurs in Fiscal Years 2026 and 2027.

Assumed an annual non-potable water demand of 4 afy; currently no information has been received for estimated water demand.
 Currently, development is looking at 4 x 2-inch water services; and 2 x 1-1/2-inch water services for both parcels (east/west of Clark St.).

Northside Ag Innovation Center - Recycled Water Option

Table 2 - Recycled Water Preliminary Cost Estimate 1

	Item		Unit	Unit Cost (\$/Dia-in)		Unit	Cost	Total Cost		
1	8-inch DIP (RW Line @ Orange/Chase to Clark St.)	1,500	LF	\$	40	\$	320	\$	480,000	
2	Paving Cost ²	35	%				35%	\$	168,000	
						Sub	total:	\$	648,000	
3	Engineering (20%) ³							\$	130,000	
4	Contingency (20%) ⁴							\$	156,000	
						Tota	al Cost:	\$	934,000	
							Use:	\$	950,000	

Notes:

^{4.} Contingency includes Construction Subtotal Cost and Engineering Costs

Total Cost (Capital Cost): \$	950,000
WA-6 vs. WA-10 Rate Differential (see Rates Worksheet) 1:	\$0.26
Estimated Annual Usage (AFY) ² :	4
Estimated Annual Cost Savings:	\$451.60
Est. Breakeven Point (years):	2,104

Notes:

^{1.} This option assumes the expansion of the recycled water system to supply the Riverside Golf Course/Reid Park with RW. RW Line w/in Orange St. as identified in the 2022 NP/RW Master Plan, Carollo, as a Phase 3 site (15+ years out).

^{2.} Paving cost is 35% of Line 1

^{3.} Includes Design and Contract Admin

^{1.} Utilized largest cost differential, which occurs in Fiscal Years 2026 and 2027.

^{2.} Assumed an annual non-potable water demand of 4 afy; currently no information has been received for estimated water demand.

Currently, development is looking at 4 x 2-inch water services; and 2 x 1-1/2-inch water services for both parcels (east/west of Clark St.).

		2024		2025				2026		2027			
Rate	Winter	Summer	Blended										
WA-6	\$1.92	\$2.08	\$1.99	\$2.03	\$2.20	\$2.10	\$2.15	\$2.33	\$2.23	\$2.27	\$2.46	\$2.35	
WA-10	n/a	n/a	\$1.77	n/a	n/a	\$1.87	n/a	n/a	\$1.97	n/a	n/a	\$2.09	
Delta: \$0				\$0.23				\$0.26		\$0.26			
Year-Over-Year Increase: n/a						7%			10%	2%			

Notes:

^{1.} Summer Rate applies to June, July, August, September and October

^{2.} Blended rate is weighted by applicable months; WA-10 has a flat rate