

EPA CCGP	COST ESTIMATE - APPLE SPRINGS SANITARY DISTRICT CLEAN WATER AND ENERGY PROJECT				
Item	Description	Qty	Units	Unit Price	Total
General					
1	5% Mobilization of \$16M	0.05	LS	\$ 16,000,000.00	\$ 800,000.00
2	Construction Staking, Benchmark Monument	5	EA	\$ 10,000.00	\$ 50,000.00
3	Temporary Traffic Control	24	MTHS	\$ 1,000.00	\$ 24,000.00
Subtotal:					\$ 874,000.00
Site Preparation and Wastewater Treatment Plant Construction					
4	Demolition of the old club house building	3100	SF	\$ 32.25	\$ 99,975.00
5	Sitework (Earthwork, walls, cut/fill)	15000	SF	\$ 50.00	\$ 750,000.00
6	Storage Tank Relocation and connection	8	EA	\$ 3,000.00	\$ 24,000.00
7	Pipework in treatment plant	500	LF	\$ 55.00	\$ 27,500.00
8	Basins and Algaewheel Systems	4	EA	\$ 250,000.00	\$ 1,000,000.00
9	Greenhouse Structure	7680	SF	\$ 75.00	\$ 576,000.00
10	Blowers and Pumps	6	EA	\$ 13,000.00	\$ 78,000.00
11	Control Systems	1	LS	\$ 150,000.00	\$ 150,000.00
12	Mechanical Systems in Treatment Plant	7680	SF	\$ 50.00	\$ 384,000.00
13	Electrical systems in Building	7680	SF	\$ 25.00	\$ 192,000.00
Subtotal:					\$ 3,281,475.00
Collection System Acquisition and Expansion					
14	Acquisition of Ex.Collection System Assets	21666	LF	\$ 120.00	\$ 2,599,920.00
15	Expansion of collection system	21000	LF	\$ 140.00	\$ 2,940,000.00
16	Sewer Lift Station	1	EA	\$ 500,000.00	\$ 500,000.00
17	Septic Tank Decommissioning	50	EA	\$ 1,500.00	\$ 75,000.00
18	Rock Blasting	1	LS	\$ 425,000.00	\$ 425,000.00
19	Easement Acquisition	1	LS	\$ 500,000.00	\$ 500,000.00
Subtotal:					\$ 7,039,920.00
Solar Array					
20	Sitework and Access Roads	4000	LF	\$ 50.00	\$ 200,000.00
21	1M Bifacial Solar Panel Array	3	AC	\$ 500,000.00	\$ 1,500,000.00
22	Transmission Line	6000	LF	\$ 200.00	\$ 1,200,000.00
23	Controls and SCADA	1	LS	\$ 100,000.00	\$ 100,000.00
24	Battery Back up Storage Units	5	EA	\$ 100,000.00	\$ 500,000.00
Subtotal:					\$ 3,500,000.00

Mobility Connect Bus Stop					
25	Bus Stop	1	EA	\$ 12,000.00	\$ 12,000.00
26	Pathways to bus stop / interconnection - 6/12'	3625	LF	\$ 24.00	\$ 87,000.00
27	Bike racks	1	EA	\$ 1,000.00	\$ 1,000.00
Subtotal:				\$	100,000.00
Community Resilience Hub					
28	Site Prep	1	EA	\$ 12,000.00	\$ 12,000.00
26	Community Center Building	600	SF	\$ 150.00	\$ 90,000.00
27	Signage - Announcement Board	1	EA	\$ 3,000.00	\$ 3,000.00
Subtotal:				\$	105,000.00
				Subtotals:	\$ 14,900,395.00
				Contingency (6.5%)	\$ 968,525.68
28	Engineering/Permitting/Construction Admin	0.1	EA	\$ 14,900,395.00	\$ 1,490,039.50
29	Treatment Plant Commissioning	6	MTHS	\$ 100,000.00	\$ 600,000.00
30	Clean Water Legacy - PR and Workforce Dev.	36	MTHS	\$ 13,889.00	\$ 500,004.00
31	CPA firm - Grant Auditing	4	YRS	\$ 50,000.00	\$ 200,000.00
32	South Dakota School of Mines - Research	0.09	EA	\$ 14,900,395.00	\$ 1,341,035.55
				TOTAL:	\$ 19,999,999.73