

**CITY OF JOHN DAY, OREGON
WASTEWATER FACILITIES PLAN UPDATE
ALTERNATIVE B - NEW MECHANICAL WASTEWATER
TREATMENT FACILITY WITH AEROBIC DIGESTION
PRELIMINARY COST ESTIMATE
(YEAR 2018 COSTS)**

NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE	2020 Cost Projection
1	Mobilization	LS	All Req'd	\$ 379,000	\$ 379,000	\$ 419,000
2	Quality Control/Project Safety	LS	All Req'd	20,000	20,000	\$ 22,000
3	Site Work	LS	All Req'd	80,000	80,000	\$ 88,000
4	18-inch Gravity Sewer	LF	3,000	65	195,000	\$ 215,000
5	Manhole	EA	7	4,000	28,000	\$ 31,000
6	Flowmeter	LS	All Req'd	50,000	50,000	\$ 55,000
7	Influent Coarse Screen	LS	All Req'd	150,000	150,000	\$ 165,000
8	Influent Fine Screen	LS	All Req'd	180,000	180,000	\$ 198,000
9	Grit Removal	LS	All Req'd	170,000	170,000	\$ 187,000
10	Influent Pumps	LS	All Req'd	55,000	55,000	\$ 61,000
11	Headworks Building	LS	All Req'd	250,000	250,000	\$ 276,000
12	Membrane Biological Reactor Package Treatment Plant	LS	All Req'd	3,000,000	3,000,000	\$ 3,308,000
13	Thickening and Dewatering Building	LS	All Req'd	170,000	170,000	\$ 187,000
14	Sludge Thickening Equipment	LS	All Req'd	400,000	400,000	\$ 441,000
15	Aerobic Digesters	LS	All Req'd	750,000	750,000	\$ 827,000
16	Sludge Dewatering Equipment	LS	All Req'd	400,000	400,000	\$ 441,000
17	Ultraviolet Disinfection	LS	All Req'd	175,000	175,000	\$ 193,000
18	Process and Yard Piping	LS	All Req'd	180,000	180,000	\$ 198,000
19	Operations Building	LS	All Req'd	185,000	185,000	\$ 204,000
20	Electrical, Controls, and Instrumentation	LS	All Req'd	950,000	950,000	\$ 1,047,000
21	Fencing	LS	All Req'd	25,000	25,000	\$ 28,000
22	Access Road	LS	All Req'd	30,000	30,000	\$ 33,000
23	Existing Facility Demolition	LS	All Req'd	120,000	120,000	\$ 132,000
Subtotal Estimated Construction Cost					\$ 7,942,000	\$ 8,756,000
Administration, Legal, Engineering, and Contingencies @ 30%					2,380,000	2,630,000
Total Estimated Construction Cost					\$ 10,322,000	\$ 11,386,000
OTHER ESTIMATED PROJECT COSTS						
Funding Acquisition					30,000	\$ 33,000
Environmental Review Report					35,000	\$ 39,000
Archaeological Report					20,000	\$ 22,000
Cultural Resource Monitoring					15,000	\$ 17,000
Regulatory Agency Permitting, Reporting, and Review Fees					15,000	\$ 17,000
Biosolids Handling Truck					100,000	\$ 110,000
Total Other Estimated Project Costs					\$ 215,000	\$ 238,000
TOTAL ESTIMATED ALTERNATIVE B PROJECT COST					\$ 10,537,000	\$ 11,624,000