

**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	2021 Cost Projection
1	Mobilization	LS	All Req'd	\$ 379,000	\$ 379,000	\$ 335,000
2	Quality Control/Project Safety	LS	All Req'd	20,000	20,000	27,000
3	Site Work	LS	All Req'd	80,000	80,000	88,000
4	18-inch Gravity Sewer	LF	1,700	65	110,500	122,000
5	48-inch Gravity Sewer Surge Pipe	LF	1,300	140	182,000	201,000
6	Manhole	EA	7	4,000	28,000	31,000
7	Flowmeter	LS	All Req'd	50,000	50,000	55,000
8	Flow Equalization	LS	All Req'd	140,000	140,000	154,000
9	Influent Fine Screens	LS	All Req'd	330,000	330,000	224,000
10	Influent Pumps	LS	All Req'd	55,000	55,000	61,000
11	Headworks Structure	LS	All Req'd	150,000	150,000	165,000
12	Flow Distribution Structure	LS	All Req'd	32,500	32,500	36,000
13	Membrane Biological Reactor Package Treatment Plant	LS	All Req'd	3,000,000	3,000,000	1,954,000
14	Thickening and Dewatering Building	LS	All Req'd	170,000	170,000	220,000
15	Sludge Thickening Equipment	LS	All Req'd	400,000	400,000	450,000
16	Aerobic Digesters	LS	All Req'd	750,000	750,000	413,000
17	Sludge Dewatering Equipment	LS	All Req'd	400,000	400,000	450,000
18	Ultraviolet Disinfection	LS	All Req'd	175,000	175,000	193,000
19	Process and Yard Piping	LS	All Req'd	180,000	180,000	230,000
20	Operations Building	LS	All Req'd	185,000	185,000	350,000
21	Electrical, Controls, and Instrumentation	LS	All Req'd	950,000	950,000	1,047,000
22	Fencing	LS	All Req'd	25,000	25,000	35,000
23	Access Road	LS	All Req'd	30,000	30,000	43,000
24	Existing Facility Demolition	LS	All Req'd	120,000	120,000	150,000
Subtotal Estimated Construction Cost					\$ 7,942,000	\$ 7,034,000
Contingency 10%					794,000	704,000
Design 4.8%					379,000	196,500
Const. Admin 8%					635,000	563,000
Admin/Legal 5%					397,000	352,000
Engineering other services 2.2%					175,000	155,500
MBR Package System Equipment Design						2,242,500
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
City Funds						\$ 188,500
CDBG						\$ 2,500,000
W/WW						\$ 1,500,000
USDA RD						\$ 7,435,500
Total						\$ 11,624,000 *

*Cost Estimate Does Not Include Street Improvements or Purple Pipe/Reclaimed Water Distribution