

Appendix A - Budget
Estimate for Professional Services



City of Camas Slow Sand Startup	Project Role	Project Manager	Project Engineer	Drinking Water Treatment Lead	Mechanical Engineer	Operations Management	Operations Tech 1	Operations Tech 2	Project Controls	Project Assistant	Jacobs Labor Hours	Total Jacobs Labor Dollars	Expenses	Total Jacobs Labor & Expenses
	Team Member 2025 Rates	Shafar, Dan \$ 310	Wallis, Jack \$ 221	Enoch Nicholson \$ 262	White, Robert \$ 268	Quijani, Marc \$ 268	Bostic, Robert \$ 262	Uribe, Lupe \$ 205	Panwar, AJAY \$ 117	Bak, Oskar \$ 117				
Task 1 Project Management		22	12			8			6	6	10	\$ 13,161		\$ 13,161
Project Management Services through June 2027														
Project Administration		12	12			8			6	6		\$ 10,061		
Subcontracting		4									4	\$ 1,240		
Project Invoices & Status Reports		6									6	\$ 1,860		
Task 2 Pre-Start-up Services		12	22	8	16	2	30	28		4	122	\$ 29,561	\$ 9,150	\$ 38,711
Coordination with State Agencies (L&I, DoE)		4		4	4					4	16	\$ 3,827		
Review of Design Documentation				2	2	2	12	12			30	\$ 7,202		
Coordination with TOMCO, Air Gas, S&B			10	2	2		2				16	\$ 3,790		
Pre-Startup Site Visit		8	8		8		12	12			48	\$ 11,992	\$ 3,200	
TOMCO Vendor Services											0	\$ -	\$ 5,950	
Pre-Startup Site Visit Documentation			4				4	4			12	\$ 2,751		
											0	\$ -		
Task 3 WTP Start-up Services		10	44	32	72		120	40			318	\$ 82,143	\$ 42,200	\$ 124,343
Jacobs Pre-Vendor Startup		4	6	2	6		8	8			34	\$ 8,431	\$ 2,000	
Plant Startup (with TOMCO, Air Gas, and S&B)		4	18	8	18		24	24			96	\$ 23,339	\$ 2,400	
TOMCO Vendor Services											0	\$ -	\$ 9,550	
TOMCO Contingency for spare parts											0	\$ -	\$ 10,000	
Jacobs Post-Vendor Monitoring							8	8			16	\$ 3,737	\$ 2,000	
City Training				8			8				16	\$ 4,408		
Compiling Updating O&M Manual		2	20	8			10				40	\$ 10,210	\$ 250	
1-day/mo Support (four months)					32		32				64	\$ 17,601	\$ 10,000	
Spring 2025 Shutdown Support					8		8				16	\$ 4,453	\$ 2,000	
Fall 2025 Statup Support					8		8				16	\$ 4,453	\$ 2,000	
As-Needed Operation Support				6			14				20	\$ 5,510	\$ 2,000	
											0	\$ -		
		44	78	40	88	10	150	68	6	10	450	\$ 124,865	\$ 51,350	\$ 176,215
												Labor:	\$	124,865
												Subconsultants:	\$	22,500
												Expenses:	\$	28,850
												Markup on Expenses:	\$	2,250
												Grand Total:	\$	178,465