Level of Effort

City of Manzanita, OR - FS for Water Storage Improvements

		HDR Engineering																	on & Wilson (Geotec		
		Project Principal	Sr. Project Manager	QC Reviewer	Engineer I	Engineer I	Project Technician I	Engineer IV	Planner/Scientist IV	Project Technician III	Project Technician II	Project Technician I	Hours	Labor	Travel	Misc. Expenses (as a % of	Total Expenses	HDR Fee	Fee	Subconsultant Total	Total Fee (includes sub-consultant mark-up and escalation)
	Billable Rates	$290.00	$250.00	$280.00	$150.00	$150.00	$89.00	$240.00	$223.00	$140.00	$112.00	$89.00									
	Task Description																				
Task 001	**Project Management & Meetings**																				
1.1	Project Kick-off Meeting		2		4	2		2					10	$ 1,880		$ -	$ -	$ 1,880	$ -	$ -	$ 1,880
1.2	Project Schedule		4										4	$ 1,000		$ -	$ -	$ 1,000	$ -	$ -	$ 1,000
1.0	Project Management (inclu. setup, invoicing, closeout, reviews)	2	24		4					8	16	8	62	$ 10,804		$ -	$ -	$ 10,804	$ -	$ -	$ 10,804
1.0	Team Meetings		4		4	4		4				2	18	$ 3,338		$ -	$ -	$ 3,338	$ -	$ -	$ 3,338
													0	$ -		$ -	$ -	$ -	$ -	$ -	$ -
	Sub-total	**2**	**34**	**0**	**12**	**6**	**0**	**6**	**0**	**8**	**16**	**10**	**94**	**$ 17,022**	**$ -**	**$ -**	**$ -**	**$ 17,022**	**$ -**	**$ -**	**$ 17,022**
Task 002	**BACKGROUND AND RESEARCH**																				
2.1	Review Available Background Information		4		8	2		2	2				18	$ 3,426		$ -	$ -	$ 3,426	$ -	$ -	$ 3,426
2.2	GIS Mapping, Property Maps, Environmentally Critical Areas		2		4				8				14	$ 2,884		$ -	$ -	$ 2,884	$ -	$ -	$ 2,884
2.3	Research Applicable Codes or Standards		2		6	2							10	$ 1,700		$ -	$ -	$ 1,700	$ -	$ -	$ 1,700
2.4	Site Visit		8		8	8		8					32	$ 6,320	$ 375	$ 25	$ 400	$ 6,720	$ -	$ -	$ 6,720
2.5	Geotechnical Evaluation and TM		2			2							4	$ 800		$ -	$ -	$ 800	$ 6,100	$ 6,100	$ 7,205
2.6	Background and Research TM		4		8	2		1	1	2			18	$ 3,243		$ -	$ -	$ 3,243	$ -	$ -	$ 3,243
	QC Hours Only			2									2	$ 560		$ -	$ -	$ 560	$ -	$ -	$ 560
													0	$ -		$ -	$ -	$ -	$ -	$ -	$ -
	Sub-total	**0**	**22**	**2**	**34**	**16**	**0**	**11**	**11**	**2**	**0**	**0**	**98**	**$ 18,933**	**$ 375**	**$ 25**	**$ 400**	**$ 19,333**	**$ 6,100**	**$ 6,100**	**$ 25,738**
Task 003	**EVALUATION OF ALTERNATIVES**																				
3.1	Verify Design Water Demand and Water Storage Needs		2		8								10	$ 1,700		$ -	$ -	$ 1,700	$ -	$ -	$ 1,700
3.2	Evaluation of Water Storage Operation and Connections		2		8								10	$ 1,700		$ -	$ -	$ 1,700	$ -	$ -	$ 1,700
3.3	Structural Evaluation of Existing Water Storage Tanks		2		2	24							28	$ 4,400		$ -	$ -	$ 4,400	$ -	$ -	$ 4,400
3.4	Evaluate Existing Site Power Supply, Telemetry, and Controls		1		1			6					8	$ 1,840		$ -	$ -	$ 1,840	$ -	$ -	$ 1,840
3.5	Evaluate Three Viable Alternatives and TM	1	8		40	16	20	6	2	4			97	$ 14,916		$ -	$ -	$ 14,916	$ -	$ -	$ 14,916
3.6	Selection of Preferred Alternative		2		4	2							8	$ 1,400		$ -	$ -	$ 1,400	$ -	$ -	$ 1,400
	QC Hours Only			8									8	$ 2,240		$ -	$ -	$ 2,240	$ -	$ -	$ 2,240
													0	$ -		$ -	$ -	$ -	$ -	$ -	$ -
	Sub-total	**1**	**17**	**8**	**63**	**42**	**20**	**12**	**2**	**4**	**0**	**0**	**169**	**$ 28,196**	**$ -**	**$ -**	**$ -**	**$ 28,196**	**$ -**	**$ -**	**$ 28,196**
Task 004	**FEASIBILITY STUDY REPORT AND PLANS**																				
4.1	Conceptual (10%) Design for the Preferred Alternative		8		20	24	24	8					84	$ 12,656		$ -	$ -	$ 12,656	$ -	$ -	$ 12,656
4.2	Draft Feasibility Study Report		8		20	8	4	2	2	4			48	$ 8,042		$ -	$ -	$ 8,042	$ -	$ -	$ 8,042
4.3	Design Review Meeting		2		4	2							8	$ 1,400		$ -	$ -	$ 1,400	$ -	$ -	$ 1,400
4.4	Final Feasibility Study Report and Plans		2		8	2	8		1	4			25	$ 3,495		$ -	$ -	$ 3,495	$ -	$ -	$ 3,495
	QC Hours Only			8									8	$ 2,240		$ -	$ -	$ 2,240	$ -	$ -	$ 2,240
													0	$ -		$ -	$ -	$ -	$ -	$ -	$ -
	Sub-total	**0**	**20**	**8**	**52**	**36**	**36**	**10**	**3**	**8**	**0**	**0**	**173**	**$ 27,833**	**$ -**	**$ -**	**$ -**	**$ 27,833**	**$ -**	**$ -**	**$ 27,833**
	Hours	**3**	**93**	**18**	**161**	**100**	**56**	**39**	**16**	**22**	**16**	**10**	**534**								
	Fee	**$870**	**$23,250**	**$5,040**	**$24,150**	**$15,000**	**$4,984**	**$9,360**	**$3,568**	**$3,080**	**$1,792**	**$890**		**$ 91,984**	**$ 375**	**$ 25**	**$ 400**	**$ 92,384**	**$ 6,100**	**$ 6,100**	
	Escalation													**$ -**							
	Sub-consultant Budget w/ Mark-up																			**$ 6,405**	
	Total Non-Contingency																				**$ 98,789**