	SGM Staff						SGM		Hahn Water Resources		
Task/Task Description	Principal in Charge	Project Manager/Senior Engineer II	Project Engineer III	Project Engineer III	Senior Project Manager/Client Manager	Clerical	Total Hours	Task Totals	Total Hours	Task Totals	TOTAL Project Costs
	$ 194.00	$ 166.00	$ 121.00	$ 121.00	$ 138.00	$ 72.00			$ 160.00		
Task 1. Project Management & Meetings	**2**	**24**		**12**	**2**		**40**	**$ 6,100**	**8**	**$ 1,280**	**$ 7,380**
Task 2. Update Water Demands and Capacity		**4**		**16**			**20**	**$ 2,600**	**0**	**$ -**	**$ 2,600**
Task 3. Conduct a Hydrogeological (Well) Assessment	**10**	**19**	**2**	**43**	**6**	**4**	**84**	**$ 12,255**	**60**	**$ 10,600**	**$ 22,855**
3.1 Assess Local Groundwater Resource Availability (Sub-Total)	1	3	2	6	0	0	12	$ 1,660	6	$ 960	$ 2,620
3.1.1 Review hydrogeologic data	*1*	*1*	*2*	*2*			*6*	*$ 844*	*2*	*$ 320*	*$ 1,164*
3.1.2 Estimate water budget for Beaver Creek/Document				*2*			*2*	*$ 242*	*2*	*$ 320*	*$ 562*
3.1.3 Document Resource Potential of Beaver Creek Watershed		*2*		*2*			*4*	*$ 574*	*2*	*$ 320*	*$ 894*
3.2 Conduct Well Inspection and Condition Update (Sub-Total)	7	4	0	24	2	0	37	$ 5,502	30	$ 5,300	$ 10,802
3.2.1 Consolidate well data	*6*			*2*	*2*		*10*	*$ 1,682*	*6*	*$ 960*	*$ 2,642*
3.2.2 Field inspection		*2*		*2*			*4*	*$ 574*	*4*	*$ 640*	*$ 1,214*
3.2.3 Step-drawdown testing (4 hrs/well; 4 wells)				*8*			*8*	*$ 968*	*8*	*$ 1,280*	*$ 2,248*
3.2.4 Review well efficiency/pump performance		*1*		*2*			*3*	*$ 408*	*4*	*$ 640*	*$ 1,048*
3.2.5 Rotational testing				*8*			*8*	*$ 968*	*6*	*$ 960*	*$ 1,928*
3.2.6 Estimate well interference	*1*	*1*		*2*			*4*	*$ 602*	*2*	*$ 320*	*$ 922*
Other Direct Costs							*--*	*$ 300*	*--*	*$ 500*	*$ 800*
3.3 Identify Rehabilitation/Remedial Actions (Sub-Total)	1	7	0	12	2	2	24	$ 3,528	14	$ 2,740	$ 6,268
3.3.1 Develop plan/Oversee Well #1 Remediation	*1*	*4*		*12*		*2*	*19*	*$ 2,454*	*8*	*$ 1,280*	*$ 3,734*
3.3.2 Identify remediation/rebuild options Wells #2-#4		*1*					*1*	*$ 166*	*4*	*$ 640*	*$ 806*
3.3.3 Estimate costs/Probability of Success		*2*			*2*		*4*	*$ 608*	*2*	*$ 320*	*$ 928*
Other Direct Costs							*--*	*$ 300*	*--*	*$ 500*	*$ 800*
3.4 Define Groundwater Development Alternatives	1	5	0	1	2	2	11	$ 1,565	10	$ 1,600	$ 3,165
3.4.1 Define Alternatives	*1*	*2*		*1*		*2*	*6*	*$ 791*	*2*	*$ 320*	*$ 1,111*
3.4.2 Evaluate alluvial/bedrock well near Well #4		*1*					*1*	*$ 166*	*6*	*$ 960*	*$ 1,126*
3.4.3 Estimate costs/Probability of Success of Alternatives		*2*			*2*		*4*	*$ 608*	*2*	*$ 320*	*$ 928*
Task 4. Development Plan and Prioritization	**4**	**16**	**4**	**60**	**2**	**4**	**90**	**$ 11,740**	**4**	**$ 640**	**$ 12,380**
Total Hours	16	63	6	131	10	8	234		72		$ 45,215
Total Costs	$ 3,104	$ 10,458	$ 726	$ 15,851	$ 1,380	$ 576		$ 32,695		$ 12,520	