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*                               E P A N E T                               *
*                               Hydraulic and Water Quality                 *
*                               Analysis for Pipe Networks                   *
*                               Version 2.0                                 *
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Input File: Aspen Ridge Water Model W-Pump.net

Peak Day (37-GPM), w/Fire Flow (1,000-GPM), w/Sprinkling Flow (330-GPM, w/10-Inch Transmission Line, and Pumped Sprinkler/Peak Day Demands

Link - Node Table:

Link ID	Start Node	End Node	Length ft	Diameter in	
1	1	9	906	10	
2	9	8	592	8	
3	8	3	350	8	
5	3	5	267	6	
6	5	4	120	6	
8	13	14	75	6	
9	14	6	30	6	
10	8	12	175	8	
11	12	19	147	8	
12	19	10	60	6	
13	19	20	235	6	
14	12	21	138	6	
15	21	11	81	6	
16	21	13	203	6	
17	13	7	175	6	
19	18	16	273	8	
20	16	9	335	10	
7	14	15	95	6	
21	5	15	400	6	
22	18	17	200	8	
23	23	17	213	8	
18	23	7	50	8	
24	24	26	687	6	
25	25	23	1000	12	
4	2	3	#N/A	#N/A	Pump
26	25	26	#N/A	#N/A	Pump

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Energy Usage:

Pump	Usage Factor	Avg. Effic.	Kw-hr /Mgal	Avg. Kw	Peak Kw	Cost /day
4	200.00	75.00	1635.41	2.30	2.30	0.00
26	200.00	75.00	1135.06	24.99	24.99	0.00
Demand Charge:						0.00
Total Cost:						0.00

Node Results at 0:00 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality
3	13.86	8878.36	65.58	0.00
4	0.00	8878.11	60.28	0.00
5	1.39	8878.11	61.14	0.00
6	0.00	8877.67	57.92	0.00
7	12.33	8876.73	45.38	0.00
8	1.11	8878.43	51.75	0.00
9	0.00	8879.16	13.94	0.00
10	0.00	8878.33	40.87	0.00
11	0.00	8878.04	56.35	0.00
12	0.00	8878.33	50.84	0.00
13	1.67	8877.61	52.26	0.00
14	2.64	8877.67	57.92	0.00
16	1000.00	8876.92	20.76	0.00
18	0.00	8876.82	28.95	0.00
19	0.83	8878.33	44.34	0.00
20	0.56	8878.33	37.84	0.00
21	0.28	8878.04	52.01	0.00
15	1.94	8877.75	61.85	0.00
17	0.00	8876.75	55.35	0.00
23	0.00	8876.67	45.35	0.00
24	367.00	9140.06	135.22	0.00
25	0.00	8876.03	45.08	0.00
26	0.00	9147.00	162.49	0.00
1	-1380.22	8888.00	1.73	0.00 Tank
2	-23.41	8488.00	8.67	0.00 Tank

Link Results at 0:00 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status
1	1380.22	5.64	9.75	Open
2	252.41	1.61	1.24	Open
3	91.43	0.58	0.19	Open
5	100.99	1.15	0.93	Open
6	0.00	0.00	0.00	Open
8	-95.01	1.08	0.83	Open
9	0.01	0.00	0.00	Open
10	159.87	1.02	0.54	Open
11	1.40	0.01	0.00	Open
12	0.01	0.00	0.00	Open
13	0.56	0.01	0.00	Open
14	158.47	1.80	2.13	Open
15	0.01	0.00	0.00	Open
16	158.18	1.79	2.13	Open
17	251.52	2.85	5.02	Open
19	-127.81	0.82	0.35	Open
20	-1127.81	4.61	6.71	Open
7	-97.66	1.11	0.86	Open
21	99.60	1.13	0.90	Open
22	127.81	0.82	0.36	Open
23	-127.81	0.82	0.35	Open
18	-239.19	1.53	1.13	Open
24	-367.00	4.16	10.10	Open
25	-367.00	1.04	0.64	Open
4	23.41	0.00	-390.36	Open Pump
26	367.00	0.00	-270.97	Open Pump

Node Results at 0:10 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality
3	13.86	8877.09	65.03	0.00
4	0.00	8876.84	59.73	0.00
5	1.39	8876.84	60.59	0.00
6	0.00	8876.40	57.37	0.00
7	12.33	8875.46	44.83	0.00
8	1.11	8877.16	51.20	0.00
9	0.00	8877.89	13.39	0.00
10	0.00	8877.07	40.33	0.00
11	0.00	8876.77	55.80	0.00
12	0.00	8877.07	50.29	0.00
13	1.67	8876.34	51.71	0.00
14	2.64	8876.40	57.37	0.00
16	1000.00	8875.65	20.21	0.00
18	0.00	8875.55	28.40	0.00
19	0.83	8877.07	43.79	0.00

Node Results at 0:10 Hrs: (continued)

Node ID	Demand GPM	Head ft	Pressure psi	Quality
20	0.56	8877.07	37.29	0.00
21	0.28	8876.77	51.46	0.00
15	1.94	8876.48	61.31	0.00
17	0.00	8875.48	54.80	0.00
23	0.00	8875.40	44.81	0.00
24	367.00	9138.79	134.67	0.00
25	0.00	8874.76	44.53	0.00
26	0.00	9145.73	161.94	0.00
1	-1380.07	8886.73	1.18	0.00 Tank
2	-23.54	8487.94	8.64	0.00 Tank

Link Results at 0:10 Hrs:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status
1	1380.07	5.64	9.75	Open
2	252.30	1.61	1.24	Open
3	91.33	0.58	0.19	Open
5	101.01	1.15	0.93	Open
6	0.01	0.00	0.00	Open
8	-95.03	1.08	0.83	Open
9	0.00	0.00	0.00	Open
10	159.87	1.02	0.53	Open
11	1.39	0.01	0.00	Open
12	0.00	0.00	0.00	Open
13	0.56	0.01	0.00	Open
14	158.48	1.80	2.14	Open
15	0.00	0.00	0.00	Open
16	158.20	1.80	2.13	Open
17	251.56	2.85	5.02	Open
19	-127.77	0.82	0.35	Open
20	-1127.77	4.61	6.71	Open
7	-97.67	1.11	0.87	Open
21	99.61	1.13	0.90	Open
22	127.77	0.82	0.35	Open
23	-127.77	0.82	0.35	Open
18	-239.23	1.53	1.13	Open
24	-367.00	4.16	10.10	Open
25	-367.00	1.04	0.64	Open
4	23.54	0.00	-389.15	Open Pump
26	367.00	0.00	-270.97	Open Pump