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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 Instantaneous (50 GPM) w/Pump (No Fire Flow)

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	1675.61	2.25	2.25	0.00
26	200.00	75.00	1240.37	3.72	3.72	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	8887.96	69.74	0.00
4	0.00	8887.96	64.54	0.00
5	1.39	8887.96	65.41	0.00
6	0.00	8887.95	62.37	0.00
7	12.33	8887.94	50.24	0.00
8	1.11	8887.96	55.88	0.00
9	0.00	8887.97	17.75	0.00
10	0.00	8887.96	45.05	0.00
11	0.00	8887.95	60.64	0.00
12	0.00	8887.96	55.01	0.00
13	1.67	8887.95	56.74	0.00
14	2.64	8887.95	62.37	0.00
16	0.00	8887.96	25.55	0.00
18	0.00	8887.95	33.78	0.00
19	0.83	8887.96	48.51	0.00
20	0.56	8887.96	42.01	0.00
21	0.28	8887.95	56.31	0.00
15	1.94	8887.95	66.27	0.00
17	0.00	8887.95	60.21	0.00
23	0.00	8887.94	50.24	0.00
24	50.00	9183.86	154.19	0.00
25	0.00	8887.92	50.23	0.00
26	0.00	9184.03	178.53	0.00
1	-64.26	8888.00	1.73	0.00 Tank
2	-22.37	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	64.26	0.26	0.03	Open
2	24.09	0.15	0.02	Open
3	4.25	0.03	0.00	Open
5	12.76	0.14	0.02	Open
6	0.01	0.00	0.00	Open
8	-6.78	0.08	0.01	Open
9	0.01	0.00	0.00	Open
10	18.72	0.12	0.01	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	17.33	0.20	0.04	Open
15	0.00	0.00	0.00	Open
16	17.05	0.19	0.04	Open
17	22.16	0.25	0.06	Open
19	-40.17	0.26	0.04	Open
20	-40.17	0.16	0.01	Open
7	-9.43	0.11	0.01	Open
21	11.37	0.13	0.02	Open
22	40.17	0.26	0.04	Open
23	-40.17	0.26	0.04	Open
18	-9.83	0.06	0.00	Open
24	-50.00	0.57	0.25	Open
25	-50.00	0.14	0.02	Open
4	22.37	0.00	-399.96	Open Pump
26	50.00	0.00	-296.11	Open Pump

Node Results at 0:10 Hrs:

Node ID	Demand GPM	Head ft	Pressure psi	Quality
3	13.86	8887.90	69.72	0.00
4	0.00	8887.90	64.52	0.00
5	1.39	8887.90	65.38	0.00
6	0.00	8887.89	62.35	0.00
7	12.33	8887.88	50.21	0.00
8	1.11	8887.90	55.85	0.00
9	0.00	8887.91	17.73	0.00
10	0.00	8887.90	45.02	0.00
11	0.00	8887.89	60.62	0.00
12	0.00	8887.90	54.99	0.00
13	1.67	8887.89	56.71	0.00
14	2.64	8887.89	62.35	0.00
16	0.00	8887.91	25.52	0.00
18	0.00	8887.89	33.75	0.00
19	0.83	8887.90	48.49	0.00

Node Results at 0:10 Hrs: (continued)

Node ID	Demand GPM	Head ft	Pressure psi	Quality
20	0.56	8887.90	41.99	0.00
21	0.28	8887.89	56.28	0.00
15	1.94	8887.89	66.25	0.00
17	0.00	8887.89	60.18	0.00
23	0.00	8887.88	50.21	0.00
24	50.00	9183.80	154.17	0.00
25	0.00	8887.86	50.20	0.00
26	0.00	9183.97	178.51	0.00
1	-64.26	8887.94	1.71	0.00 Tank
2	-22.37	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	64.26	0.26	0.03	Open
2	24.09	0.15	0.02	Open
3	4.25	0.03	0.00	Open
5	12.75	0.14	0.02	Open
6	0.00	0.00	0.00	Open
8	-6.78	0.08	0.00	Open
9	0.00	0.00	0.00	Open
10	18.73	0.12	0.01	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	17.33	0.20	0.04	Open
15	0.01	0.00	0.00	Open
16	17.05	0.19	0.03	Open
17	22.16	0.25	0.06	Open
19	-40.17	0.26	0.04	Open
20	-40.17	0.16	0.01	Open
7	-9.42	0.11	0.01	Open
21	11.36	0.13	0.02	Open
22	40.17	0.26	0.04	Open
23	-40.17	0.26	0.04	Open
18	-9.83	0.06	0.00	Open
24	-50.00	0.57	0.25	Open
25	-50.00	0.14	0.02	Open
4	22.37	0.00	-399.96	Open Pump
26	50.00	0.00	-296.11	Open Pump