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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: 14-1521.net

Link - Node Table:

Link ID	Start Node	End Node	Length ft	Diameter in
2	2	1	75	1.5
1	3	1	50	3
5	4	3	70	2
6	5	4	100	2
7	6	5	118	2
8	8	6	25	2
9	9	8	35	2
10	10	9	84	2
11	12	10	24	2
13	14	13	44	2
14	15	14	37	2
16	17	16	68	2
17	18	17	11	2
19	20	17	66	1.5
20	21	16	56	1.5
21	15	22	44	1.5
23	13	24	50	1.5
24	14	26	58	1.5
25	27	12	55	1.5
26	28	10	45	1.5
27	29	9	55	1.5
28	30	8	61	1.5
29	31	6	51	1.5
30	33	5	42	1.5
31	32	4	42	1.5
4	1	54	8	3
12	51	52	30	1.5
44	48	61	65	1.5
45	49	54	65	1.5
46	50	55	70	1.5
47	60	59	65	1.5

48	54	61	77	3
49	61	52	35	3
50	52	11	127	3
56	59	55	100	2
57	55	3	40	2
58	64	65	31	2



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Link - Node Table: (continued)

Link ID	Start Node	End Node	Length ft	Diameter in	
59	65	63	165	2	
60	63	59	54	2	
61	62	63	60	1.5	
63	76	75	50	2	
64	75	74	120	2	
65	74	73	50	2	
66	73	72	100	2	
67	72	64	35	2	
68	67	72	20	1.5	
69	68	73	20	1.5	
70	69	74	20	1.5	
71	70	75	20	1.5	
72	71	76	15	1.5	
78	13	12	98	2	
15	16	15	35	2	
18	19	18	68	1.5	
3	7	2	#N/A	#N/A	Pump
22	23	32	#N/A	#N/A	Pump
32	25	33	#N/A	#N/A	Pump
33	34	31	#N/A	#N/A	Pump
34	36	29	#N/A	#N/A	Pump
35	37	28	#N/A	#N/A	Pump
36	38	27	#N/A	#N/A	Pump
37	39	24	#N/A	#N/A	Pump
38	40	26	#N/A	#N/A	Pump
39	41	22	#N/A	#N/A	Pump
40	42	21	#N/A	#N/A	Pump
41	44	20	#N/A	#N/A	Pump
42	43	19	#N/A	#N/A	Pump
43	35	30	#N/A	#N/A	Pump
51	47	51	#N/A	#N/A	Pump
52	45	48	#N/A	#N/A	Pump
53	56	49	#N/A	#N/A	Pump
54	57	50	#N/A	#N/A	Pump

55	58	60	#N/A	#N/A Pump
62	66	62	#N/A	#N/A Pump
73	77	67	#N/A	#N/A Pump
74	78	68	#N/A	#N/A Pump
75	79	69	#N/A	#N/A Pump
76	80	70	#N/A	#N/A Pump
77	81	71	#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
3	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00	0.00	0.00
34	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.00	0.00	0.00	0.00
37	0.00	0.00	0.00	0.00	0.00	0.00
38	0.00	0.00	0.00	0.00	0.00	0.00
39	0.00	0.00	0.00	0.00	0.00	0.00
40	100.00	75.00	349.05	0.50	0.50	0.00
41	100.00	75.00	359.55	0.46	0.46	0.00
42	100.00	75.00	360.23	0.45	0.45	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00
62	0.00	0.00	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00
76	100.00	75.00	318.73	0.59	0.59	0.00
77	100.00	75.00	321.14	0.58	0.58	0.00
Demand Charge:						0.00
Total Cost:						0.00

Node Results:

Node	Demand	Head Pressure	Quality
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ID	GPM	14-1521		Quality
		ft	psi	
1	0.00	17.22	-165.21	0.00
2	0.00	17.22	-165.64	0.00
3	0.00	21.07	-163.76	0.00
4	0.00	27.26	-159.78	0.00
5	0.00	36.10	-155.51	0.00
6	0.00	46.53	-150.13	0.00
8	0.00	48.74	-148.99	0.00
9	0.00	51.84	-147.52	0.00
10	0.00	59.26	-143.44	0.00
12	0.00	61.38	-142.43	0.00
13	0.00	70.05	-138.42	0.00
14	0.00	73.94	-136.17	0.00
15	0.00	77.21	-134.23	0.00



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Node Results: (continued)

Node ID	Demand GPM	Head ft	Pressure psi	Quality
16	0.00	80.30	-132.46	0.00
17	0.00	82.94	-130.32	0.00
18	0.00	83.06	-130.14	0.00
19	0.00	86.00	-128.69	0.00
20	0.00	85.83	-129.63	0.00
21	0.00	83.33	-131.15	0.00
22	0.00	77.21	-134.23	0.00
24	0.00	70.05	-139.07	0.00
26	0.00	73.94	-136.73	0.00
27	0.00	61.38	-143.26	0.00
28	0.00	59.26	-143.74	0.00
29	0.00	51.84	-147.83	0.00
30	0.00	48.74	-149.17	0.00
31	0.00	46.53	-150.13	0.00
32	0.00	27.26	-159.78	0.00
33	0.00	36.10	-155.08	0.00
48	0.00	13.71	-169.11	0.00
49	0.00	16.89	-167.74	0.00
50	0.00	24.14	-164.60	0.00
51	0.00	12.26	-170.39	0.00
52	0.00	12.26	-170.39	0.00
54	0.00	16.89	-165.40	0.00
55	0.00	24.14	-162.65	0.00
59	0.00	31.80	-159.76	0.00
60	0.00	31.80	-161.06	0.00

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61	0.00	13.71	-169.11	0.00	
62	0.00	35.94	-159.26	0.00	
63	0.00	35.94	-158.28	0.00	
64	0.00	50.96	-152.54	0.00	
65	0.00	48.59	-153.13	0.00	
67	0.00	53.65	-151.38	0.00	
68	0.00	61.31	-147.84	0.00	
69	0.00	65.14	-146.18	0.00	
70	0.00	76.09	-141.22	0.00	
71	0.00	76.67	-142.70	0.00	
72	0.00	53.65	-151.59	0.00	
73	0.00	61.31	-148.05	0.00	
74	0.00	65.14	-146.39	0.00	
75	0.00	74.34	-143.27	0.00	
76	0.00	75.39	-143.25	0.00	
7	0.00	0.00	0.00	0.00	Reservoir
11	126.79	7.02	0.00	0.00	Reservoir
23	0.00	0.00	0.00	0.00	Reservoir
25	0.00	0.00	0.00	0.00	Reservoir
34	0.00	0.00	0.00	0.00	Reservoir
35	0.00	0.00	0.00	0.00	Reservoir
36	0.00	0.00	0.00	0.00	Reservoir



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Node Results: (continued)

Node ID	Demand GPM	Head ft	Pressure psi	Quality
37	0.00	0.00	0.00	0.00 Reservoir
38	0.00	0.00	0.00	0.00 Reservoir
39	0.00	0.00	0.00	0.00 Reservoir
40	0.00	0.00	0.00	0.00 Reservoir
41	0.00	0.00	0.00	0.00 Reservoir
42	-23.67	0.00	0.00	0.00 Reservoir
43	-21.00	0.00	0.00	0.00 Reservoir
44	-21.17	0.00	0.00	0.00 Reservoir
47	0.00	0.00	0.00	0.00 Reservoir
45	0.00	0.00	0.00	0.00 Reservoir
56	0.00	0.00	0.00	0.00 Reservoir
57	0.00	0.00	0.00	0.00 Reservoir
58	0.00	0.00	0.00	0.00 Reservoir
66	0.00	0.00	0.00	0.00 Reservoir
77	0.00	0.00	0.00	0.00 Reservoir
78	0.00	0.00	0.00	0.00 Reservoir
79	0.00	0.00	0.00	0.00 Reservoir
80	-30.70	0.00	0.00	0.00 Reservoir

81 -30.26 0.00 0.00 0.00 Reservoir

Link Results:

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status
2	0.00	0.00	0.00	Open
1	126.79	5.75	77.00	Open
5	65.84	6.72	88.41	Open
6	65.84	6.72	88.41	Open
7	65.84	6.72	88.41	Open
8	65.84	6.72	88.41	Open
9	65.84	6.72	88.41	Open
10	65.84	6.72	88.41	Open
11	65.84	6.72	88.41	Open
13	65.84	6.72	88.41	Open
14	65.84	6.72	88.41	Open
16	42.17	4.31	38.74	Open
17	21.00	2.14	10.65	Open
19	21.17	3.84	43.88	Open
20	23.67	4.30	53.99	Open
21	0.00	0.00	0.00	Open
23	0.00	0.00	0.00	Open
24	0.00	0.00	0.00	Open
25	0.00	0.00	0.00	Open
26	0.00	0.00	0.00	Open
27	0.00	0.00	0.00	Open
28	0.00	0.00	0.00	Open



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Link Results: (continued)

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status
29	0.00	0.00	0.00	Open
30	0.00	0.00	0.00	Open
31	0.00	0.00	0.00	Open
4	126.79	5.75	41.29	Open
12	0.00	0.00	0.00	Open
44	0.00	0.00	0.00	Open
45	0.00	0.00	0.00	Open
46	0.00	0.00	0.00	Open
47	0.00	0.00	0.00	Open
48	126.79	5.75	41.29	Open
49	126.79	5.75	41.29	Open

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50	126.79	5.75	41.29	Open
56	60.96	6.23	76.65	Open
57	60.96	6.23	76.65	Open
58	60.96	6.23	76.65	Open
59	60.96	6.23	76.65	Open
60	60.96	6.23	76.65	Open
61	0.00	0.00	0.00	Open
63	30.26	3.09	20.95	Open
64	60.96	6.23	76.65	Open
65	60.96	6.23	76.65	Open
66	60.96	6.23	76.65	Open
67	60.96	6.23	76.65	Open
68	0.00	0.00	0.00	Open
69	0.00	0.00	0.00	Open
70	0.00	0.00	0.00	Open
71	30.70	5.57	87.38	Open
72	30.26	5.49	85.06	Open
78	65.84	6.72	88.41	Open
15	65.84	6.72	88.41	Open
18	21.00	3.81	43.26	Open
3	0.00	0.00	0.00	Closed Pump
22	0.00	0.00	0.00	Closed Pump
32	0.00	0.00	0.00	Closed Pump
33	0.00	0.00	0.00	Closed Pump
34	0.00	0.00	0.00	Closed Pump
35	0.00	0.00	0.00	Closed Pump
36	0.00	0.00	0.00	Closed Pump
37	0.00	0.00	0.00	Closed Pump
38	0.00	0.00	0.00	Closed Pump
39	0.00	0.00	0.00	Closed Pump
40	23.67	0.00	-83.33	Open Pump
41	21.17	0.00	-85.83	Open Pump
42	21.00	0.00	-86.00	Open Pump
43	0.00	0.00	0.00	Closed Pump
51	0.00	0.00	0.00	Closed Pump
52	0.00	0.00	0.00	Closed Pump



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Link Results: (continued)

Link ID	Flow GPM	Velocity fps	Unit Headloss ft/Kft	Status
53	0.00	0.00	0.00	Closed Pump
54	0.00	0.00	0.00	Closed Pump
55	0.00	0.00	0.00	Closed Pump
62	0.00	0.00	0.00	Closed Pump

			14-1521	
73	0.00	0.00	0.00	Closed Pump
74	0.00	0.00	0.00	Closed Pump
75	0.00	0.00	0.00	Closed Pump
76	30.70	0.00	-76.09	Open Pump
77	30.26	0.00	-76.67	Open Pump