

GASBOL_A

Configuration Message Report

Time	Level	Type	Name	Message
No errors/warnings/messages.				

Execution Options Report

Timestepping	Fixed
Elevation Input	Node
Quality Tracking	ON
Quality Tracking Method	Batch
Temperature Tracking	ON
Wall Temperature Tracking	ON
<hr/>	
Flow Unit	Volume
Pressure Unit	Gauge
Temperature Unit	Deg C
Time Unit	hours
Diameter Mode	Inside
<hr/>	
Fluid Phase	Gas
Heating Value	Low
Heating Value Method	MoleAverage
Cp Specific Heat Method	Calculate
Cv Specific Heat Method	ThermodynamicRelationship
Viscosity Equation	LGE
<hr/>	
Equation of State	BWRS
Reynold's Number Minimum	64.00
Reynold's Number Transitional Lower Limit	2100.00
Reynold's Number Transitional Upper Limit	3900.00
Reference Pressure	0.00
Reference Temperature	20.00
Base Date/Time	0.000000 hours
Use Parallelization	NO

Fluid Types Report

Quality Report				
Fluid Name	Quality	Units	Mixing Rule	Value
TBG_Media_2012	SG		Mass	0.6325
	HV	MJ/m3	Mole	35.9734
	WOB	MJ/m3	Mole	50.0753
	CO2	percent	Mole	1.3900
	H2S	percent	Mole	0.0000

Composition Report	
	Fluid Type
	TBG_Media_2012
Component	Mole %
C1	89.20
C2	5.90
C3	1.81
IC4	0.29
NC4	0.40
IC5	0.12
NC5	0.08
C6	0.09
CO2	1.39
N2	0.71
O2	0.01

Equipment Parameters Report

Problem Size Report

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Centrifugal Performance Type Data

Head Curve Data for Centrifugal Performance Type: COMP1				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
1408.80	7664.00	22781.00	23242.38	2.03
1789.50	7664.00	21933.00	22571.19	2.91
2132.60	7664.00	20687.00	21667.24	4.74
2487.10	7664.00	19015.00	20292.43	6.72
2860.00	7664.00	17235.00	18207.03	5.64
3135.00	7664.00	15942.00	16153.43	1.33
3440.30	7664.00	13823.00	13270.21	4.00
1905.20	10022.00	39222.00	39622.54	1.02
2604.90	10022.00	37683.00	37758.36	0.20
3082.40	10022.00	34988.00	35666.01	1.94
3537.70	10022.00	32025.00	32766.89	2.32
3926.40	10022.00	29061.00	29415.71	1.22
4304.00	10022.00	25445.00	25242.48	0.80
4626.10	10022.00	20529.00	20867.20	1.65
2278.40	11201.00	49593.00	49146.77	0.90

Head Curve Data for Centrifugal Performance Type: COMP1				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
2777.10	11201.00	47678.00	47670.10	0.02
3252.60	11201.00	45568.00	45616.41	0.11
3774.50	11201.00	42036.00	42350.94	0.75
4261.60	11201.00	37831.00	38080.53	0.66
4713.90	11201.00	33106.00	32830.36	0.83
5108.20	11201.00	25916.00	27080.59	4.49
2438.50	11790.00	54736.00	54346.33	0.71
2951.50	11790.00	53242.00	52707.63	1.00
3301.30	11790.00	51825.00	51175.20	1.25
3884.30	11790.00	47769.00	47599.16	0.36
4339.00	11790.00	43912.00	43695.13	0.49
4875.30	11790.00	38454.00	37542.97	2.37
5306.70	11790.00	30714.00	31171.57	1.49
2597.60	12380.00	60763.00	59817.53	1.56
3128.40	12380.00	58809.00	57995.97	1.38
3600.90	12380.00	56115.00	55690.97	0.76
4085.50	12380.00	52858.00	52429.07	0.81
4594.30	12380.00	48599.00	47779.82	1.69
5188.00	12380.00	41855.00	40424.15	3.42
5563.50	12380.00	33255.00	34519.85	3.80
3002.80	13608.00	73544.00	71790.59	2.38
3602.30	13608.00	71154.00	69291.96	2.62
4085.40	13608.00	67944.00	66455.12	2.19
4626.90	13608.00	63544.00	62129.74	2.23
5190.50	13608.00	57914.00	56042.96	3.23
5600.30	13608.00	52210.00	50419.63	3.43
5871.10	13608.00	46902.00	46081.09	1.75

Head Curve Fit Coefficients for Centrifugal Performance Type: COMP1	
Coefficient	Value
A	0.524388
B	-0.780163
C	5.753729
D	-24.280273

Efficiency Curve Data for Centrifugal Performance Type: COMP1				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
1408.80	7664.00	67.58	67.60	0.03
1789.50	7664.00	73.09	75.81	3.72
2132.60	7664.00	74.42	79.84	7.28
2487.10	7664.00	74.54	80.82	8.42
2860.00	7664.00	75.69	78.51	3.73
3135.00	7664.00	73.54	74.73	1.62
3440.30	7664.00	69.21	68.55	0.95
1905.20	10022.00	65.05	68.86	5.86
2604.90	10022.00	78.95	78.56	0.49
3082.40	10022.00	79.87	80.82	1.19
3537.70	10022.00	78.46	79.87	1.80

Efficiency Curve Data for Centrifugal Performance Type: COMP1				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
3926.40	10022.00	77.09	76.76	0.42
4304.00	10022.00	72.91	71.82	1.50
4626.10	10022.00	63.31	66.16	4.51
2278.40	11201.00	73.30	71.32	2.71
2777.10	11201.00	78.00	77.45	0.71
3252.60	11201.00	80.18	80.40	0.28
3774.50	11201.00	79.89	80.54	0.82
4261.60	11201.00	78.11	77.88	0.29
4713.90	11201.00	74.32	73.11	1.62
5108.20	11201.00	64.27	67.23	4.61
2438.50	11790.00	73.18	71.90	1.75
2951.50	11790.00	79.11	77.69	1.80
3301.30	11790.00	81.05	79.93	1.38
3884.30	11790.00	80.80	80.73	0.08
4339.00	11790.00	79.51	78.91	0.75
4875.30	11790.00	76.52	74.14	3.11
5306.70	11790.00	68.16	68.33	0.26
2597.60	12380.00	73.10	72.40	0.96
3128.40	12380.00	79.17	77.92	1.58
3600.90	12380.00	80.91	80.42	0.61
4085.50	12380.00	80.92	80.72	0.24
4594.30	12380.00	80.05	78.68	1.72
5188.00	12380.00	76.45	73.37	4.03
5563.50	12380.00	66.10	68.46	3.57
3002.80	13608.00	77.09	74.07	3.92
3602.30	13608.00	80.42	78.95	1.83
4085.40	13608.00	81.44	80.70	0.91
4626.90	13608.00	81.34	80.44	1.10
5190.50	13608.00	80.02	77.79	2.78
5600.30	13608.00	77.39	74.40	3.86
5871.10	13608.00	73.61	71.51	2.86

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: COMP1	
Coefficient	Value
A	0.000000
B	9.149392
C	-28.204993
D	12.853780

Surge and Stonewall Data for Centrifugal Performance Type: COMP1		
	Flow	Speed
Surge	1408.80	7664.00
Stonewall	5871.10	13608.00

Head Curve Data for Centrifugal Performance Type: COMP2				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
3483.90	5000.00	24000.00	23805.75	0.81

Head Curve Data for Centrifugal Performance Type: COMP2				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
4326.70	5000.00	23000.00	22917.50	0.36
5169.60	5000.00	21000.00	21815.24	3.88
6012.40	5000.00	20000.00	20384.09	1.92
6855.20	5000.00	18000.00	18508.81	2.83
7698.00	5000.00	15000.00	16074.27	7.16
8191.50	5000.00	13000.00	14343.05	10.33
8540.90	5000.00	12000.00	12964.91	8.04
4180.70	6000.00	34000.00	34280.26	0.82
5204.10	6000.00	33000.00	32984.42	0.05
6227.50	6000.00	31000.00	31371.22	1.20
7250.90	6000.00	29000.00	29268.88	0.93
8274.30	6000.00	26000.00	26505.63	1.94
9297.60	6000.00	22000.00	22910.08	4.14
9890.20	6000.00	19000.00	20379.70	7.26
10321.00	6000.00	17000.00	18309.76	7.70
4893.20	7000.00	46000.00	46637.83	1.39
6100.60	7000.00	44000.00	44847.95	1.93
7308.10	7000.00	42000.00	42610.28	1.45
8515.60	7000.00	39000.00	39683.13	1.75
9723.00	7000.00	35000.00	35824.98	2.36
10930.50	7000.00	30000.00	30793.38	2.64
11637.60	7000.00	27000.00	27205.50	0.76
12138.00	7000.00	23000.00	24346.74	5.86
5681.30	8000.00	61000.00	60775.30	0.37
7078.20	8000.00	58000.00	58376.99	0.65
8475.00	8000.00	56000.00	55354.97	1.15
9871.80	8000.00	52000.00	51381.50	1.19
11268.60	8000.00	47000.00	46129.01	1.85
12665.40	8000.00	40000.00	39269.95	1.83
13499.70	8000.00	35000.00	34271.41	2.08
14062.30	8000.00	30000.00	30476.03	1.59
6788.10	9000.00	76000.00	76204.37	0.27
8332.30	9000.00	74000.00	73070.79	1.26
9876.50	9000.00	71000.00	69080.62	2.70
11420.60	9000.00	66000.00	63840.83	3.27
12964.80	9000.00	59000.00	56957.35	3.46
14509.00	9000.00	51000.00	48037.03	5.81
15463.90	9000.00	44000.00	41329.89	6.07
16053.20	9000.00	38000.00	36686.48	3.46
7424.60	9500.00	85000.00	84396.98	0.71
9025.60	9500.00	82000.00	80854.93	1.40
10626.60	9500.00	79000.00	76332.33	3.38
12227.60	9500.00	73000.00	70413.83	3.54
13828.70	9500.00	66000.00	62683.49	5.03
15429.70	9500.00	57000.00	52726.89	7.50
16418.40	9500.00	49000.00	45285.01	7.58
17030.70	9500.00	43000.00	40128.23	6.68

Head Curve Fit Coefficients for Centrifugal Performance Type: COMP2	
Coefficient	Value
A	1.334756
B	-0.677521
C	0.923094
D	-0.946666

Efficiency Curve Data for Centrifugal Performance Type: COMP2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
3483.90	5000.00	79.90	77.06	3.56
4326.70	5000.00	83.23	83.00	0.27
5169.60	5000.00	85.22	85.34	0.14
6012.40	5000.00	85.14	84.70	0.51
6855.20	5000.00	82.89	81.76	1.36
7698.00	5000.00	78.49	77.17	1.69
8191.50	5000.00	74.17	73.97	0.28
8540.90	5000.00	68.19	71.56	4.94
4180.70	6000.00	79.34	77.06	2.87
5204.10	6000.00	82.79	83.05	0.32
6227.50	6000.00	84.91	85.35	0.52
7250.90	6000.00	85.11	84.64	0.56
8274.30	6000.00	82.92	81.58	1.62
9297.60	6000.00	78.44	76.86	2.02
9890.20	6000.00	73.90	73.62	0.37
10321.00	6000.00	68.11	71.14	4.45
4893.20	7000.00	78.76	77.17	2.02
6100.60	7000.00	82.32	83.15	1.01
7308.10	7000.00	84.57	85.37	0.95
8515.60	7000.00	84.95	84.54	0.48
9723.00	7000.00	82.83	81.34	1.80
10930.50	7000.00	78.35	76.48	2.39
11637.60	7000.00	73.60	73.14	0.62
12138.00	7000.00	67.75	70.66	4.29
5681.30	8000.00	78.14	77.68	0.59
7078.20	8000.00	81.76	83.44	2.06
8475.00	8000.00	84.11	85.41	1.55
9871.80	8000.00	84.56	84.31	0.29
11268.60	8000.00	82.48	80.86	1.96
12665.40	8000.00	77.87	75.79	2.67
13499.70	8000.00	72.98	72.28	0.96
14062.30	8000.00	67.03	69.82	4.16
6788.10	9000.00	78.22	79.53	1.68
8332.30	9000.00	81.62	84.22	3.19
9876.50	9000.00	83.88	85.41	1.82
11420.60	9000.00	84.11	83.78	0.39
12964.80	9000.00	81.95	80.03	2.34
14509.00	9000.00	77.20	74.84	3.06
15463.90	9000.00	72.19	71.21	1.36
16053.20	9000.00	66.03	68.90	4.34
7424.60	9500.00	78.36	80.54	2.78
9025.60	9500.00	81.59	84.59	3.67
10626.60	9500.00	83.76	85.35	1.90

Efficiency Curve Data for Centrifugal Performance Type: COMP2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
12227.60	9500.00	83.90	83.48	0.50
13828.70	9500.00	81.73	79.62	2.58
15429.70	9500.00	76.99	74.44	3.31
16418.40	9500.00	72.10	70.86	1.72
17030.70	9500.00	66.25	68.58	3.51

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: COMP2	
Coefficient	Value
A	0.000000
B	3.141905
C	-3.535755
D	1.112664

Surge and Stonewall Data for Centrifugal Performance Type: COMP2		
	Flow	Speed
Surge	3500.00	5000.00
Stonewall	16354.20	9500.00

Head Curve Data for Centrifugal Performance Type: COMPMHI				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
2750.00	4902.00	23535.96	24438.78	3.84
3400.00	4902.00	22064.96	23103.08	4.70
4000.00	4902.00	20888.16	21606.92	3.44
4600.00	4902.00	18338.44	19847.22	8.23
5000.00	4902.00	17161.64	18522.44	7.93
5400.00	4902.00	14906.11	17072.70	14.53
6000.00	4902.00	12258.31	14656.91	19.57
3100.00	5602.00	31381.28	32005.63	1.99
4000.00	5602.00	28831.55	29869.48	3.60
4600.00	5602.00	26968.29	28128.89	4.30
5400.00	5602.00	24026.29	25395.84	5.70
6000.00	5602.00	20888.16	23024.87	10.23
6600.00	5602.00	27948.95	20368.30	27.12
7000.00	5602.00	24516.63	18434.02	24.81
3440.00	6303.00	40207.27	40627.42	1.04
4000.00	6303.00	38638.20	39237.46	1.55
4600.00	6303.00	36774.94	37508.44	1.99
5400.00	6303.00	33832.94	34803.28	2.87
6000.00	6303.00	31381.28	32463.90	3.45
7000.00	6303.00	26477.96	27949.09	5.56
8000.00	6303.00	19809.43	22631.48	14.25
3900.00	7003.00	50210.05	49951.86	0.51
5000.00	7003.00	46581.59	46678.92	0.21
6000.00	7003.00	42658.93	42961.76	0.71
7000.00	7003.00	38049.80	38502.73	1.19
8000.00	7003.00	31871.61	33267.55	4.38
8600.00	7003.00	27458.62	29739.62	8.31

Head Curve Data for Centrifugal Performance Type: COMPMHI				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
9000.00	7003.00	24516.63	27221.93	11.03
4000.00	7353.00	55211.44	55325.79	0.21
5000.00	7353.00	52661.71	52320.39	0.65
6000.00	7353.00	48052.59	48615.57	1.17
7000.00	7353.00	44620.26	44178.67	0.99
8000.00	7353.00	38049.80	38977.05	2.44
8600.00	7353.00	34323.28	35475.42	3.36
9450.00	7353.00	26968.29	30009.64	11.28
4400.00	8048.00	66685.22	66214.62	0.71
6000.00	8048.00	63547.09	60646.78	4.56
7000.00	8048.00	57859.24	56244.92	2.79
8000.00	8048.00	52710.74	51098.08	3.06
9000.00	8048.00	44129.93	45176.41	2.37
10000.00	8048.00	37265.27	38450.08	3.18
10690.00	8048.00	32361.95	33324.17	2.97
4980.00	8942.00	83356.53	81442.27	2.30
6000.00	8942.00	81395.20	77702.58	4.54
8000.00	8942.00	73549.88	68237.63	7.22
9000.00	8942.00	66194.89	62392.13	5.74
10000.00	8942.00	58839.90	55768.83	5.22
11000.00	8942.00	51484.91	48340.86	6.11
12000.00	8942.00	39226.60	40081.37	2.18
5400.00	9389.00	92182.51	89182.06	3.25
6000.00	9389.00	91201.85	86899.18	4.72
8000.00	9389.00	83356.53	77465.59	7.07
10000.00	9389.00	71588.55	65069.06	9.11
11000.00	9389.00	62762.56	57695.76	8.07
12000.00	9389.00	52955.91	49505.01	6.52
12750.00	9389.00	43149.26	42810.12	0.79

Head Curve Fit Coefficients for Centrifugal Performance Type: COMPMHI	
Coefficient	Value
A	1.358976
B	-0.072550
C	-0.932028
D	-0.236366

Efficiency Curve Data for Centrifugal Performance Type: COMPMHI				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
2750.00	4902.00	76.77	78.28	1.96
3400.00	4902.00	81.38	83.28	2.34
4000.00	4902.00	84.52	84.97	0.53
4600.00	4902.00	81.82	84.58	3.38
5000.00	4902.00	82.74	83.52	0.94
5400.00	4902.00	78.53	82.06	4.50
6000.00	4902.00	75.79	79.60	5.03
3100.00	5602.00	77.49	77.87	0.49
4000.00	5602.00	82.67	83.74	1.29

Efficiency Curve Data for Centrifugal Performance Type: COMPMHI				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
4600.00	5602.00	82.47	84.99	3.06
5400.00	5602.00	82.59	84.30	2.08
6000.00	5602.00	80.09	82.64	3.19
6600.00	5602.00	78.97	80.53	1.97
7000.00	5602.00	75.46	79.10	4.83
3440.00	6303.00	78.64	77.45	1.51
4000.00	6303.00	81.94	81.51	0.52
4600.00	6303.00	82.52	84.04	1.84
5400.00	6303.00	83.91	85.04	1.34
6000.00	6303.00	82.13	84.44	2.82
7000.00	6303.00	81.06	81.89	1.02
8000.00	6303.00	76.85	78.73	2.45
3900.00	7003.00	79.72	78.06	2.08
5000.00	7003.00	83.48	83.74	0.31
6000.00	7003.00	84.40	85.04	0.75
7000.00	7003.00	85.27	83.83	1.69
8000.00	7003.00	82.43	81.25	1.43
8600.00	7003.00	79.46	79.52	0.08
9000.00	7003.00	76.75	78.44	2.20
4000.00	7353.00	78.31	77.35	1.22
5000.00	7353.00	83.49	82.93	0.67
6000.00	7353.00	83.40	84.97	1.88
7000.00	7353.00	86.41	84.44	2.28
8000.00	7353.00	83.65	82.33	1.58
8600.00	7353.00	82.49	80.70	2.17
9450.00	7353.00	76.40	78.44	2.67
4400.00	8048.00	77.57	77.51	0.08
6000.00	8048.00	85.94	84.30	1.91
7000.00	8048.00	85.65	85.01	0.74
8000.00	8048.00	85.89	83.91	2.30
9000.00	8048.00	81.29	81.74	0.55
10000.00	8048.00	80.15	79.24	1.14
10690.00	8048.00	78.39	77.71	0.86
4980.00	8942.00	77.46	78.06	0.78
6000.00	8942.00	83.74	82.68	1.26
8000.00	8942.00	87.84	84.91	3.33
9000.00	8942.00	85.90	83.73	2.53
10000.00	8942.00	84.84	81.74	3.66
11000.00	8942.00	84.54	79.48	5.99
12000.00	8942.00	76.68	77.50	1.08
5400.00	9389.00	78.96	78.99	0.04
6000.00	9389.00	81.21	81.67	0.57
8000.00	9389.00	86.34	85.04	1.51
10000.00	9389.00	86.93	82.75	4.81
11000.00	9389.00	84.64	80.66	4.70
12000.00	9389.00	82.28	78.57	4.51
12750.00	9389.00	75.88	77.28	1.84

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: COMPMHI	
Coefficient	Value
A	0.000000
B	4.198491
C	-6.586075
D	3.181442

Surge and Stonewall Data for Centrifugal Performance Type: COMPMHI		
	Flow	Speed
Surge	2750.00	4902.00
Stonewall	12750.00	9389.00

Head Curve Data for Centrifugal Performance Type: Bolivia				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
6082.48	5000.00	2743.20	2730.44	0.47
6260.87	5000.00	2682.24	2713.53	1.17
6974.46	5000.00	2651.76	2638.63	0.50
7688.05	5000.00	2560.32	2552.18	0.32
9837.30	5000.00	2194.56	2222.99	1.30
10423.50	5000.00	2011.68	2115.51	5.16
11442.90	5000.00	1828.80	1910.82	4.48
12428.30	5000.00	1584.96	1691.70	6.73
7152.86	6000.00	3962.40	3947.86	0.37
7688.05	6000.00	3901.44	3886.80	0.38
8673.48	6000.00	3779.52	3757.31	0.59
9480.51	6000.00	3657.60	3634.90	0.62
12071.50	6000.00	3169.92	3143.69	0.83
12878.50	6000.00	2926.08	2960.53	1.18
14042.40	6000.00	2310.38	2671.51	15.63
8316.68	7000.00	5273.04	5377.03	1.97
9387.06	7000.00	5090.16	5229.81	2.74
10423.50	7000.00	4876.80	5062.42	3.81
11808.20	7000.00	4358.64	4801.02	10.15
14305.70	7000.00	3779.52	4221.80	11.70
15291.10	7000.00	3718.56	3955.63	6.38
16361.50	7000.00	3291.84	3642.70	10.66
9658.91	8000.00	6979.92	7000.72	0.30
11179.50	8000.00	6858.00	6751.20	1.56
12785.10	8000.00	6583.68	6430.85	2.32
14305.70	8000.00	6339.84	6074.17	4.19
16361.50	8000.00	5791.20	5510.58	4.85
17882.10	8000.00	5425.44	5034.28	7.21
19224.40	8000.00	4876.80	4572.35	6.24
20388.20	8000.00	4389.12	4140.67	5.66
10907.70	8856.00	8595.36	8543.52	0.60
12785.10	8856.00	8382.00	8189.15	2.30
14840.90	8856.00	8046.72	7709.71	4.19
16990.20	8856.00	7620.00	7107.67	6.72
17975.60	8856.00	7315.20	6797.60	7.08
19046.00	8856.00	6705.60	6436.74	4.01
21458.60	8856.00	6096.00	5532.52	9.24

Head Curve Data for Centrifugal Performance Type: Bolivia				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
21993.80	8856.00	5425.44	5315.03	2.04

Head Curve Fit Coefficients for Centrifugal Performance Type: Bolivia	
Coefficient	Value
A	0.137834
B	0.021037
C	-0.042575
D	0.001282

Efficiency Curve Data for Centrifugal Performance Type: Bolivia				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
6082.48	5000.00	80.00	80.49	0.62
6260.87	5000.00	83.00	81.30	2.04
6974.46	5000.00	85.00	83.90	1.29
7688.05	5000.00	86.00	85.56	0.52
9837.30	5000.00	86.00	85.97	0.03
10423.50	5000.00	85.00	85.19	0.22
11442.90	5000.00	83.00	83.24	0.29
12428.30	5000.00	79.00	80.93	2.44
7152.86	6000.00	80.00	79.90	0.13
7688.05	6000.00	83.00	81.92	1.30
8673.48	6000.00	85.00	84.59	0.48
9480.51	6000.00	86.00	85.88	0.14
12071.50	6000.00	86.00	85.71	0.34
12878.50	6000.00	85.00	84.67	0.39
14042.40	6000.00	83.00	82.66	0.41
14934.40	6000.00	80.00	80.88	1.11
8316.68	7000.00	80.00	79.80	0.25
9387.06	7000.00	83.00	83.04	0.05
10423.50	7000.00	85.00	85.09	0.11
11808.20	7000.00	86.00	86.40	0.46
14305.70	7000.00	86.00	85.50	0.58
15291.10	7000.00	85.00	84.32	0.80
16361.50	7000.00	83.00	82.70	0.36
17703.70	7000.00	80.00	80.39	0.49
9658.91	8000.00	80.00	80.27	0.34
11179.50	8000.00	83.00	83.94	1.14
12785.10	8000.00	85.00	86.00	1.18
14305.70	8000.00	86.00	86.51	0.60
16361.50	8000.00	86.00	85.49	0.60
17882.10	8000.00	85.00	83.81	1.40
19224.40	8000.00	83.00	81.93	1.29
20388.20	8000.00	80.00	80.15	0.18
10907.70	8856.00	80.00	80.85	1.06
12785.10	8856.00	83.00	84.57	1.89
14840.90	8856.00	85.00	86.36	1.60
16990.20	8856.00	86.00	86.21	0.24
17975.60	8856.00	86.00	85.59	0.47

Efficiency Curve Data for Centrifugal Performance Type: Bolivia				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
19046.00	8856.00	85.00	84.63	0.43
21458.60	8856.00	83.00	81.69	1.58
21993.80	8856.00	80.00	80.95	1.19

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: Bolivia	
Coefficient	Value
A	0.000000
B	2.012574
C	-1.473853
D	0.325563

Surge and Stonewall Data for Centrifugal Performance Type: Bolivia		
	Flow	Speed
Surge	6082.48	5000.00
Stonewall	21993.80	8856.00

Head Curve Data for Centrifugal Performance Type: Comp-solar				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
4862.58	8000.00	2535.83	2592.39	2.23
5657.72	8000.00	2405.51	2476.67	2.96
6453.03	8000.00	2261.53	2333.56	3.18
7248.17	8000.00	2067.37	2158.92	4.43
8043.31	8000.00	1833.04	1948.51	6.30
8838.45	8000.00	1565.88	1698.13	8.45
9258.96	8000.00	1413.74	1548.13	9.51
9633.76	8000.00	1267.40	1403.50	10.74
5470.32	9000.00	3223.23	3281.01	1.79
6376.58	9000.00	3063.64	3132.41	2.24
7282.83	9000.00	2888.04	2948.21	2.08
8189.09	9000.00	2640.35	2722.88	3.13
9095.34	9000.00	2341.98	2450.87	4.65
10001.60	9000.00	1997.42	2126.65	6.47
10485.30	9000.00	1798.37	1930.31	7.34
10907.90	9000.00	1610.44	1744.65	8.33
6078.23	10000.00	4000.65	4050.62	1.25
7100.02	10000.00	3811.49	3864.13	1.38
8121.81	10000.00	3596.34	3632.30	1.00
9143.59	10000.00	3295.71	3347.97	1.59
10165.40	10000.00	2925.06	3003.99	2.70
11187.20	10000.00	2489.94	2593.21	4.15
11736.80	10000.00	2235.22	2342.14	4.78
12209.00	10000.00	1998.34	2108.50	5.51
6685.97	11000.00	4867.50	4901.26	0.69
7827.20	11000.00	4648.69	4671.75	0.50
8968.43	11000.00	4388.54	4385.53	0.07
10109.70	11000.00	4033.78	4033.53	0.01
11250.90	11000.00	3582.77	3606.74	0.67

Head Curve Data for Centrifugal Performance Type: Comp-solar				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
12392.10	11000.00	3043.75	3096.09	1.72
13010.00	11000.00	2723.76	2781.41	2.12
13533.30	11000.00	2430.49	2492.53	2.55
7293.88	12000.00	5825.64	5832.89	0.12
8558.45	12000.00	5577.75	5554.94	0.41
9823.20	12000.00	5268.47	5207.12	1.16
11087.80	12000.00	4858.15	4778.25	1.64
12352.50	12000.00	4318.71	4256.93	1.43
13617.10	12000.00	3661.07	3631.97	0.79
14305.90	12000.00	3265.44	3243.93	0.66
14881.70	12000.00	2907.82	2892.04	0.54
7901.61	13000.00	6876.65	6845.56	0.45
9293.11	13000.00	6597.88	6513.61	1.28
10684.60	13000.00	6239.13	6096.92	2.28
12076.10	13000.00	5773.22	5581.61	3.32
13467.60	13000.00	5130.18	4953.79	3.44
14859.10	13000.00	4346.84	4199.59	3.39
15622.10	13000.00	3863.31	3727.37	3.52
16250.60	13000.00	3430.95	3305.10	3.67
8563.21	14000.00	8031.08	7926.93	1.30
10069.90	14000.00	7698.76	7536.33	2.11
11576.80	14000.00	7299.93	7045.63	3.48
13083.60	14000.00	6786.22	6438.55	5.12
14590.30	14000.00	6026.41	5698.75	5.44
16097.20	14000.00	5109.70	4809.70	5.87
16932.10	14000.00	4523.66	4246.90	6.12
17604.00	14000.00	4005.35	3755.18	6.25
8769.64	14300.00	8399.19	8264.91	1.60
10310.10	14300.00	8048.43	7855.51	2.40
11850.60	14300.00	7637.47	7341.28	3.88
13391.30	14300.00	7098.55	6705.00	5.54
14931.80	14300.00	6312.65	5929.70	6.07
16472.30	14300.00	5353.81	4998.19	6.64
17327.10	14300.00	4734.64	4407.63	6.91
18013.00	14300.00	4188.59	3893.19	7.05

Head Curve Fit Coefficients for Centrifugal Performance Type: Comp-solar	
Coefficient	Value
A	0.055570
B	-0.013089
C	0.007169
D	-0.065950

Efficiency Curve Data for Centrifugal Performance Type: Comp-solar				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
4862.58	8000.00	79.00	79.01	0.01
5657.72	8000.00	82.90	82.89	0.01
6453.03	8000.00	84.80	84.83	0.04

Efficiency Curve Data for Centrifugal Performance Type: Comp-solar				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
7248.17	8000.00	85.10	85.08	0.03
8043.31	8000.00	83.80	83.84	0.04
8838.45	8000.00	81.30	81.35	0.06
9258.96	8000.00	79.60	79.60	0.00
9633.76	8000.00	77.80	77.83	0.03
5470.32	9000.00	79.00	79.01	0.01
6376.58	9000.00	82.90	82.93	0.03
7282.83	9000.00	84.90	84.86	0.05
8189.09	9000.00	85.10	85.05	0.05
9095.34	9000.00	83.70	83.74	0.04
10001.60	9000.00	81.10	81.14	0.06
10485.30	9000.00	79.30	79.32	0.03
10907.90	9000.00	77.50	77.51	0.02
6078.23	10000.00	79.00	79.01	0.01
7100.02	10000.00	83.00	82.97	0.04
8121.81	10000.00	84.90	84.89	0.01
9143.59	10000.00	85.00	85.03	0.03
10165.40	10000.00	83.60	83.62	0.02
11187.20	10000.00	80.90	80.91	0.01
11736.80	10000.00	79.00	79.00	0.00
12209.00	10000.00	77.20	77.15	0.06
6685.97	11000.00	79.00	79.01	0.01
7827.20	11000.00	83.00	83.01	0.01
8968.43	11000.00	84.90	84.92	0.02
10109.70	11000.00	85.00	84.99	0.01
11250.90	11000.00	83.50	83.49	0.02
12392.10	11000.00	80.70	80.66	0.06
13010.00	11000.00	78.70	78.66	0.05
13533.30	11000.00	76.80	76.76	0.05
7293.88	12000.00	79.00	79.01	0.01
8558.45	12000.00	83.10	83.06	0.05
9823.20	12000.00	85.00	84.95	0.06
11087.80	12000.00	85.00	84.95	0.05
12352.50	12000.00	83.30	83.34	0.05
13617.10	12000.00	80.40	80.38	0.02
14305.90	12000.00	78.30	78.30	0.00
14881.70	12000.00	76.40	76.34	0.07
7901.61	13000.00	79.00	79.01	0.01
9293.11	13000.00	83.10	83.10	0.00
10684.60	13000.00	85.00	84.98	0.03
12076.10	13000.00	84.90	84.91	0.02
13467.60	13000.00	83.20	83.19	0.01
14859.10	13000.00	80.10	80.10	0.00
15622.10	13000.00	77.90	77.93	0.03
16250.60	13000.00	75.90	75.92	0.02
8563.21	14000.00	79.20	79.20	0.00
10069.90	14000.00	83.20	83.22	0.03
11576.80	14000.00	85.00	85.01	0.02
13083.60	14000.00	84.90	84.86	0.05
14590.30	14000.00	83.00	83.05	0.06
16097.20	14000.00	79.90	79.87	0.04

Efficiency Curve Data for Centrifugal Performance Type: Comp-solar				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
16932.10	14000.00	77.60	77.62	0.02
17604.00	14000.00	75.60	75.60	0.00
8769.64	14300.00	79.30	79.28	0.03
10310.10	14300.00	83.30	83.27	0.04
11850.60	14300.00	85.00	85.03	0.03
13391.30	14300.00	84.80	84.84	0.05
14931.80	14300.00	83.00	83.00	0.00
16472.30	14300.00	79.80	79.79	0.01
17327.10	14300.00	77.50	77.53	0.03
18013.00	14300.00	75.50	75.50	0.00

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: Comp-solar	
Coefficient	Value
A	0.000000
B	3.817087
C	-5.168837
D	1.880079

Surge and Stonewall Data for Centrifugal Performance Type: Comp-solar		
	Flow	Speed
Surge	4862.58	8000.00
Stonewall	18013.00	14300.00

Head Curve Data for Centrifugal Performance Type: COMPMHI-2				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
2750.00	4902.00	23536.00	24438.78	3.84
3400.00	4902.00	22065.00	23103.08	4.70
4000.00	4902.00	20888.20	21606.93	3.44
4600.00	4902.00	18338.40	19847.22	8.23
5000.00	4902.00	17161.60	18522.44	7.93
5400.00	4902.00	14906.10	17072.69	14.53
6000.00	4902.00	12258.30	14656.91	19.57
3100.00	5602.00	31381.30	32005.63	1.99
4000.00	5602.00	28831.60	29869.48	3.60
4600.00	5602.00	26968.30	28128.89	4.30
5400.00	5602.00	24026.30	25395.84	5.70
6000.00	5602.00	20888.20	23024.87	10.23
6600.00	5602.00	27949.00	20368.30	27.12
7000.00	5602.00	24516.60	18434.02	24.81
3440.00	6303.00	40207.30	40627.42	1.04
4000.00	6303.00	38638.20	39237.47	1.55
4600.00	6303.00	36774.90	37508.45	1.99
5400.00	6303.00	33832.90	34803.29	2.87
6000.00	6303.00	31381.30	32463.90	3.45
7000.00	6303.00	26478.00	27949.09	5.56
8000.00	6303.00	19809.40	22631.48	14.25
3900.00	7003.00	50210.00	49951.87	0.51

Head Curve Data for Centrifugal Performance Type: COMPMHI-2				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
5000.00	7003.00	46581.60	46678.93	0.21
6000.00	7003.00	42658.90	42961.77	0.71
7000.00	7003.00	38049.80	38502.73	1.19
8000.00	7003.00	31871.60	33267.54	4.38
8600.00	7003.00	27458.60	29739.62	8.31
9000.00	7003.00	24516.60	27221.93	11.03
4000.00	7353.00	55211.40	55325.79	0.21
5000.00	7353.00	52661.70	52320.41	0.65
6000.00	7353.00	48052.60	48615.58	1.17
7000.00	7353.00	44620.30	44178.68	0.99
8000.00	7353.00	38049.80	38977.04	2.44
8600.00	7353.00	34323.30	35475.41	3.36
9450.00	7353.00	26968.30	30009.64	11.28
4400.00	8048.00	66685.20	66214.63	0.71
6000.00	8048.00	63547.10	60646.79	4.56
7000.00	8048.00	57859.20	56244.93	2.79
8000.00	8048.00	52710.70	51098.08	3.06
9000.00	8048.00	44129.90	45176.40	2.37
10000.00	8048.00	37265.30	38450.08	3.18
10690.00	8048.00	32362.00	33324.18	2.97
4980.00	8942.00	83356.50	81442.28	2.30
6000.00	8942.00	81395.20	77702.60	4.54
8000.00	8942.00	73549.90	68237.64	7.22
9000.00	8942.00	66194.90	62392.13	5.74
10000.00	8942.00	58839.90	55768.82	5.22
11000.00	8942.00	51484.90	48340.85	6.11
12000.00	8942.00	39226.60	40081.39	2.18
5400.00	9389.00	92182.50	89182.07	3.25
6000.00	9389.00	91201.90	86899.20	4.72
8000.00	9389.00	83356.50	77465.61	7.07
10000.00	9389.00	71588.60	65069.06	9.11
11000.00	9389.00	62762.60	57695.76	8.07
12000.00	9389.00	52955.90	49505.02	6.52
12750.00	9389.00	43149.30	42810.14	0.79

Head Curve Fit Coefficients for Centrifugal Performance Type: COMPMHI-2	
Coefficient	Value
A	1.358969
B	-0.072508
C	-0.932110
D	-0.236316

Efficiency Curve Data for Centrifugal Performance Type: COMPMHI-2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
2750.00	4902.00	76.77	78.28	1.96
3400.00	4902.00	81.38	83.28	2.34
4000.00	4902.00	84.52	84.97	0.53
4600.00	4902.00	81.82	84.58	3.38

Efficiency Curve Data for Centrifugal Performance Type: COMPMHI-2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
5000.00	4902.00	82.74	83.52	0.94
5400.00	4902.00	78.53	82.06	4.50
6000.00	4902.00	75.79	79.60	5.03
3100.00	5602.00	77.49	77.87	0.49
4000.00	5602.00	82.67	83.74	1.29
4600.00	5602.00	82.47	84.99	3.06
5400.00	5602.00	82.59	84.30	2.08
6000.00	5602.00	80.09	82.64	3.19
6600.00	5602.00	78.97	80.53	1.97
7000.00	5602.00	75.46	79.10	4.83
3440.00	6303.00	78.64	77.45	1.51
4000.00	6303.00	81.94	81.51	0.52
4600.00	6303.00	82.52	84.04	1.84
5400.00	6303.00	83.91	85.04	1.34
6000.00	6303.00	82.13	84.44	2.82
7000.00	6303.00	81.06	81.89	1.02
8000.00	6303.00	76.85	78.73	2.45
3900.00	7003.00	79.72	78.06	2.08
5000.00	7003.00	83.48	83.74	0.31
6000.00	7003.00	84.40	85.04	0.75
7000.00	7003.00	85.27	83.83	1.69
8000.00	7003.00	82.43	81.25	1.43
8600.00	7003.00	79.46	79.52	0.08
9000.00	7003.00	76.75	78.44	2.20
4000.00	7353.00	78.31	77.35	1.22
5000.00	7353.00	83.49	82.93	0.67
6000.00	7353.00	83.40	84.97	1.88
7000.00	7353.00	86.41	84.44	2.28
8000.00	7353.00	83.65	82.33	1.58
8600.00	7353.00	82.49	80.70	2.17
9450.00	7353.00	76.40	78.44	2.67
4400.00	8048.00	77.57	77.51	0.08
6000.00	8048.00	85.94	84.30	1.91
7000.00	8048.00	85.65	85.01	0.74
8000.00	8048.00	85.89	83.91	2.30
9000.00	8048.00	81.29	81.74	0.55
10000.00	8048.00	80.15	79.24	1.14
10690.00	8048.00	78.39	77.71	0.86
4980.00	8942.00	77.46	78.06	0.78
6000.00	8942.00	83.74	82.68	1.26
8000.00	8942.00	87.84	84.91	3.33
9000.00	8942.00	85.90	83.73	2.53
10000.00	8942.00	84.84	81.74	3.66
11000.00	8942.00	84.54	79.48	5.99
12000.00	8942.00	76.68	77.50	1.08
5400.00	9389.00	78.96	78.99	0.04
6000.00	9389.00	81.21	81.67	0.57
8000.00	9389.00	86.34	85.04	1.51
10000.00	9389.00	86.93	82.75	4.81
11000.00	9389.00	84.64	80.66	4.70
12000.00	9389.00	82.28	78.57	4.51

Efficiency Curve Data for Centrifugal Performance Type: COMPMHI-2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
12750.00	9389.00	75.88	77.28	1.84

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: COMPMHI-2	
Coefficient	Value
A	0.000000
B	4.198491
C	-6.586075
D	3.181442

Surge and Stonewall Data for Centrifugal Performance Type: COMPMHI-2		
	Flow	Speed
Surge	2750.00	4902.00
Stonewall	12750.00	9389.00

Head Curve Data for Centrifugal Performance Type: COMP1-2				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
1408.80	7664.00	22781.00	23242.38	2.03
1789.50	7664.00	21933.00	22571.19	2.91
2132.60	7664.00	20687.00	21667.24	4.74
2487.10	7664.00	19015.00	20292.43	6.72
2860.00	7664.00	17235.00	18207.03	5.64
3135.00	7664.00	15942.00	16153.43	1.33
3440.30	7664.00	13823.00	13270.21	4.00
1905.20	10022.00	39222.00	39622.54	1.02
2604.90	10022.00	37683.00	37758.36	0.20
3082.40	10022.00	34988.00	35666.01	1.94
3537.70	10022.00	32025.00	32766.90	2.32
3926.40	10022.00	29061.00	29415.71	1.22
4304.00	10022.00	25445.00	25242.48	0.80
4626.10	10022.00	20529.00	20867.21	1.65
2278.40	11201.00	49593.00	49146.77	0.90
2777.10	11201.00	47678.00	47670.10	0.02
3252.60	11201.00	45568.00	45616.41	0.11
3774.50	11201.00	42036.00	42350.94	0.75
4261.60	11201.00	37831.00	38080.53	0.66
4713.90	11201.00	33106.00	32830.35	0.83
5108.20	11201.00	25916.00	27080.60	4.49
2438.50	11790.00	54736.00	54346.33	0.71
2951.50	11790.00	53242.00	52707.63	1.00
3301.30	11790.00	51825.00	51175.20	1.25
3884.30	11790.00	47769.00	47599.16	0.36
4339.00	11790.00	43912.00	43695.13	0.49
4875.30	11790.00	38454.00	37542.97	2.37
5306.70	11790.00	30714.00	31171.57	1.49
2597.60	12380.00	60763.00	59817.53	1.56
3128.40	12380.00	58809.00	57995.97	1.38
3600.90	12380.00	56115.00	55690.97	0.76

Head Curve Data for Centrifugal Performance Type: COMP1-2				
Flow	Speed	Input Head Value	Computed Head Value	Percent Error
m3/h	RPM	N.m/kg	N.m/kg	%
4085.50	12380.00	52858.00	52429.07	0.81
4594.30	12380.00	48599.00	47779.82	1.69
5188.00	12380.00	41855.00	40424.15	3.42
5563.50	12380.00	33255.00	34519.84	3.80
3002.80	13608.00	73544.00	71790.59	2.38
3602.30	13608.00	71154.00	69291.96	2.62
4085.40	13608.00	67944.00	66455.12	2.19
4626.90	13608.00	63544.00	62129.74	2.23
5190.50	13608.00	57914.00	56042.96	3.23
5600.30	13608.00	52210.00	50419.63	3.43
5871.10	13608.00	46902.00	46081.09	1.75

Head Curve Fit Coefficients for Centrifugal Performance Type: COMP1-2	
Coefficient	Value
A	0.524388
B	-0.780167
C	5.753750
D	-24.280311

Efficiency Curve Data for Centrifugal Performance Type: COMP1-2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
1408.80	7664.00	67.58	67.60	0.03
1789.50	7664.00	73.09	75.81	3.72
2132.60	7664.00	74.42	79.84	7.28
2487.10	7664.00	74.54	80.82	8.42
2860.00	7664.00	75.69	78.51	3.73
3135.00	7664.00	73.54	74.73	1.62
3440.30	7664.00	69.21	68.55	0.95
1905.20	10022.00	65.05	68.86	5.86
2604.90	10022.00	78.95	78.56	0.49
3082.40	10022.00	79.87	80.82	1.19
3537.70	10022.00	78.46	79.87	1.80
3926.40	10022.00	77.09	76.76	0.42
4304.00	10022.00	72.91	71.82	1.50
4626.10	10022.00	63.31	66.16	4.51
2278.40	11201.00	73.30	71.32	2.71
2777.10	11201.00	78.00	77.45	0.71
3252.60	11201.00	80.18	80.40	0.28
3774.50	11201.00	79.89	80.54	0.82
4261.60	11201.00	78.11	77.88	0.29
4713.90	11201.00	74.32	73.11	1.62
5108.20	11201.00	64.27	67.23	4.61
2438.50	11790.00	73.18	71.90	1.75
2951.50	11790.00	79.11	77.69	1.80
3301.30	11790.00	81.05	79.93	1.38
3884.30	11790.00	80.80	80.73	0.08
4339.00	11790.00	79.51	78.91	0.75
4875.30	11790.00	76.52	74.14	3.11

Efficiency Curve Data for Centrifugal Performance Type: COMP1-2				
Flow	Speed	Input Efficiency Value	Computed Efficiency Value	Percent Error
m3/h	RPM	percent	percent	%
5306.70	11790.00	68.16	68.33	0.26
2597.60	12380.00	73.10	72.40	0.96
3128.40	12380.00	79.17	77.92	1.58
3600.90	12380.00	80.91	80.42	0.61
4085.50	12380.00	80.92	80.72	0.24
4594.30	12380.00	80.05	78.68	1.72
5188.00	12380.00	76.45	73.37	4.03
5563.50	12380.00	66.10	68.46	3.57
3002.80	13608.00	77.09	74.07	3.92
3602.30	13608.00	80.42	78.95	1.83
4085.40	13608.00	81.44	80.70	0.91
4626.90	13608.00	81.34	80.44	1.10
5190.50	13608.00	80.02	77.79	2.78
5600.30	13608.00	77.39	74.40	3.86
5871.10	13608.00	73.61	71.51	2.86

Efficiency Curve Fit Coefficients for Centrifugal Performance Type: COMP1-2	
Coefficient	Value
A	0.000000
B	9.149392
C	-28.204988
D	12.853768

Surge and Stonewall Data for Centrifugal Performance Type: COMP1-2		
	Flow	Speed
Surge	1408.80	7664.00
Stonewall	5871.10	13608.00

Reciprocating Cylinder Type Data

Cylinder Specification Data				
Cylinder Name	Cylinder Diameter	Stroke Length	Head Rod Diameter	Crank Rod Diameter
	in	in	in	in
CYL01	8.6600	5.9100	0.0000	2.6000
CYL02	7.6800	5.9100	0.0000	2.2400
Cater_SID	8.7500	4.5000	2.0000	2.0000
CIL_BIG1	7.6770	5.9055	2.2440	2.2440

Cylinder Clearance Volume Data				
Cylinder Name	Head End Maximum	Head End Minimum	Crank End Maximum	Crank End Minimum
	cm3	cm3	cm3	cm3
CYL01	855.2400	855.2400	855.2400	855.2400
CYL02	1210.7200	1210.7200	1210.7200	1210.7200
Cater_SID	0.0002	0.0000	0.0002	0.0000

Cylinder Clearance Volume Data				
Cylinder Name	Head End Maximum	Head End Minimum	Crank End Maximum	Crank End Minimum
	cm3	cm3	cm3	cm3
CIL_BIG1	1210.7200	1210.7200	1210.7200	1210.7200

Volumetric Efficiency Coefficients			
Cylinder Name	C1	C2	XL
CYL01	0.0400	0.0100	0.0000
CYL02	0.0400	0.0100	0.0000
Cater_SID	0.4000	0.1300	0.0000
CIL_BIG1	0.0620	0.0420	0.0000

Reciprocating Performance Type Data

Cylinder Configuration Data		
Compressor Performance Type	Cylinder Name	Number of Cylinders
COMP3	CYL01	2
COMP4	CYL02	2
CIL_ARC1	CYL01	2
COMP4-2	CYL02	2
COMP4-3	CYL02	2
SID	Cater_SID	4
Cil_BIG	CIL_BIG1	2

Reciprocating Performance Data						
Compressor Performance Type	Number of Cylinders	Maximum Clearance Volume	Minimum Clearance Volume	Total Displacement Volume	Head End Area	Crank End Area
		cm3	cm3	cm3	cm2	cm2
COMP3	2	3421.0	3421.0	21789.4	760.0	691.5
COMP4	2	4842.9	4842.9	17182.4	597.7	546.9
CIL_ARC1	2	3421.0	3421.0	21789.4	760.0	691.5
COMP4-2	2	4842.9	4842.9	17182.4	597.7	546.9
COMP4-3	2	4842.9	4842.9	17182.4	597.7	546.9
SID	4	0.0	0.0	33620.6	1470.7	1470.7
Cil_BIG	2	4842.9	4842.9	16387.1	546.2	546.2

Gas Turbine Performance Type Data

Head Rate Curve Data for Turbine Performance Type: ST_28				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
72.50	95.17	105.25	105.21	0.04
80.00	86.96	105.25	105.35	0.09
90.00	84.06	105.25	105.15	0.10
100.00	85.02	105.25	105.29	0.04
62.20	88.65	112.77	112.83	0.06

Head Rate Curve Data for Turbine Performance Type: ST_28				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
70.00	76.81	112.77	112.64	0.11
80.00	70.77	112.77	112.88	0.10
90.00	69.56	112.77	112.81	0.04
100.00	70.53	112.77	112.72	0.05
57.20	84.78	117.78	117.76	0.02
60.00	78.02	117.78	117.77	0.01
70.00	67.15	117.78	117.91	0.11
80.00	64.25	117.78	117.57	0.18
90.00	63.28	117.78	117.86	0.07
100.00	64.25	117.78	117.78	0.00

Head Rate Curve Coefficients for Turbine Performance Type: ST_28	
Coefficient	Value
C1	2.618491
C2	-0.962059
C3	1.983872
C4	-0.709463
C5	-2.221992
C6	3.485606
C7	-1.542148
C8	-3.905759
C9	0.949517
C10	1.318150

Maximum Power Curve Data for Turbine Performance Type: ST_28			
% Rated Speed	Input % Rated Power Value	Computed % Rated Power Value	Percent Error
100.00	100.00	99.99	0.01
95.00	100.43	100.46	0.03
90.00	100.36	100.36	0.00
85.00	99.71	99.70	0.01
80.00	98.48	98.47	0.01
75.00	96.67	96.66	0.01
70.00	94.27	94.28	0.01
65.00	91.31	91.32	0.01
60.00	87.77	87.77	0.00
55.00	83.63	83.63	0.00

Maximum Power Curve Coefficients for Turbine Performance Type: ST_28	
Coefficient	Value
D1	-0.018369
D2	2.235882
D3	-1.267221
D4	0.049570

Head Rate Curve Data for Turbine Performance Type: ST_31				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
72.50	95.17	105.25	105.21	0.04
80.00	86.96	105.25	105.35	0.09

Head Rate Curve Data for Turbine Performance Type: ST_31				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
90.00	84.06	105.25	105.15	0.10
100.00	85.02	105.25	105.29	0.04
62.20	88.65	112.77	112.83	0.06
70.00	76.81	112.77	112.64	0.11
80.00	70.77	112.77	112.88	0.10
90.00	69.56	112.77	112.81	0.04
100.00	70.53	112.77	112.72	0.05
57.20	84.78	117.78	117.76	0.02
60.00	78.02	117.78	117.77	0.01
70.00	67.15	117.78	117.91	0.11
80.00	64.25	117.78	117.57	0.18
90.00	63.28	117.78	117.86	0.07
100.00	64.25	117.78	117.78	0.00

Head Rate Curve Coefficients for Turbine Performance Type: ST_31	
Coefficient	Value
C1	2.618491
C2	-0.962059
C3	1.983872
C4	-0.709463
C5	-2.221992
C6	3.485606
C7	-1.542148
C8	-3.905759
C9	0.949517
C10	1.318150

Maximum Power Curve Data for Turbine Performance Type: ST_31			
% Rated Speed	Input % Rated Power Value	Computed % Rated Power Value	Percent Error
100.00	100.00	99.99	0.01
95.00	100.49	100.51	0.02
90.00	100.45	100.46	0.01
85.00	99.84	99.84	0.00
80.00	98.66	98.64	0.02
75.00	96.87	96.87	0.00
70.00	94.51	94.51	0.00
65.00	91.57	91.57	0.00
60.00	88.02	88.03	0.02
55.00	83.91	83.90	0.01

Maximum Power Curve Coefficients for Turbine Performance Type: ST_31	
Coefficient	Value
D1	-0.021309
D2	2.259457
D3	-1.295604
D4	0.057347

Head Rate Curve Data for Turbine Performance Type: ST_28MARS				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
76.00	103.22	100.80	100.80	0.00
80.00	99.40	100.80	100.80	0.00
92.00	96.51	100.80	100.80	0.00
100.00	97.45	100.80	100.80	0.00
70.80	98.77	103.25	103.26	0.01
73.70	95.45	103.25	103.27	0.02
77.00	93.33	103.25	103.23	0.02
87.80	90.46	103.25	103.24	0.01
100.00	91.09	103.25	103.26	0.01
66.20	95.83	105.71	105.69	0.02
72.00	89.73	105.71	105.75	0.03
78.40	86.99	105.71	105.68	0.03
84.00	85.74	105.71	105.70	0.01
92.00	85.22	105.71	105.75	0.04
100.00	85.90	105.71	105.69	0.02

Head Rate Curve Coefficients for Turbine Performance Type: ST_28MARS	
Coefficient	Value
C1	3.284681
C2	-1.796153
C3	1.553828
C4	-0.765358
C5	-3.653976
C6	2.810008
C7	-0.363852
C8	-0.077920
C9	1.127879
C10	-1.119557

Maximum Power Curve Data for Turbine Performance Type: ST_28MARS			
% Rated Speed	Input % Rated Power Value	Computed % Rated Power Value	Percent Error
100.00	100.00	100.00	0.00
95.24	100.39	100.39	0.00
90.48	100.42	100.42	0.00
80.95	99.35	99.35	0.00
71.43	96.60	96.60	0.00
61.91	91.96	91.96	0.00

Maximum Power Curve Coefficients for Turbine Performance Type: ST_28MARS	
Coefficient	Value
D1	0.022034
D2	2.453012
D3	-1.856774
D4	0.381748

Head Rate Curve Data for Turbine Performance Type: ST_28MARS-2				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
76.00	103.22	100.80	100.80	0.00
80.00	99.40	100.80	100.80	0.00
92.00	96.51	100.80	100.80	0.00
100.00	97.45	100.80	100.80	0.00
70.80	98.77	103.25	103.26	0.01
73.70	95.45	103.25	103.27	0.02
77.00	93.33	103.25	103.23	0.02
87.80	90.46	103.25	103.24	0.01
100.00	91.09	103.25	103.26	0.01
66.20	95.83	105.71	105.69	0.02
72.00	89.73	105.71	105.75	0.03
78.40	86.99	105.71	105.68	0.03
84.00	85.74	105.71	105.70	0.01
92.00	85.22	105.71	105.75	0.04
100.00	85.90	105.71	105.69	0.02

Head Rate Curve Coefficients for Turbine Performance Type: ST_28MARS-2	
Coefficient	Value
C1	3.284765
C2	-1.796228
C3	1.553878
C4	-0.765370
C5	-3.654161
C6	2.810165
C7	-0.363900
C8	-0.077860
C9	1.127861
C10	-1.119571

Maximum Power Curve Data for Turbine Performance Type: ST_28MARS-2			
% Rated Speed	Input % Rated Power Value	Computed % Rated Power Value	Percent Error
100.00	100.00	100.00	0.00
95.24	100.39	100.39	0.00
90.48	100.42	100.42	0.00
80.95	99.35	99.35	0.00
71.43	96.60	96.60	0.00
61.91	91.96	91.96	0.00

Maximum Power Curve Coefficients for Turbine Performance Type: ST_28MARS-2	
Coefficient	Value
D1	0.022027
D2	2.453038
D3	-1.856806
D4	0.381761

Head Rate Curve Data for Turbine Performance Type: ST_28-2				
% Rated Speed	% Rated Power	Input % Heat Rate Value	Computed % Heat Rate Value	Percent Error
72.50	95.17	105.25	105.21	0.04
80.00	86.96	105.25	105.35	0.09
90.00	84.06	105.25	105.15	0.10
100.00	85.02	105.25	105.29	0.04
62.20	88.65	112.77	112.83	0.06
70.00	76.81	112.77	112.64	0.11
80.00	70.77	112.77	112.88	0.10
90.00	69.56	112.77	112.81	0.04
100.00	70.53	112.77	112.72	0.05
57.20	84.78	117.78	117.76	0.02
60.00	78.02	117.78	117.77	0.01
70.00	67.15	117.78	117.91	0.11
80.00	64.25	117.78	117.57	0.18
90.00	63.28	117.78	117.86	0.07
100.00	64.25	117.78	117.78	0.00

Head Rate Curve Coefficients for Turbine Performance Type: ST_28-2	
Coefficient	Value
C1	2.618501
C2	-0.962072
C3	1.983888
C4	-0.709467
C5	-2.222010
C6	3.485627
C7	-1.542158
C8	-3.905763
C9	0.949512
C10	1.318159

Maximum Power Curve Data for Turbine Performance Type: ST_28-2			
% Rated Speed	Input % Rated Power Value	Computed % Rated Power Value	Percent Error
100.00	100.00	99.99	0.01
95.00	100.43	100.46	0.03
90.00	100.36	100.36	0.00
85.00	99.71	99.70	0.01
80.00	98.48	98.47	0.01
75.00	96.67	96.66	0.01
70.00	94.27	94.28	0.01
65.00	91.31	91.32	0.01
60.00	87.77	87.77	0.00
55.00	83.63	83.63	0.00

Maximum Power Curve Coefficients for Turbine Performance Type: ST_28-2	
Coefficient	Value
D1	-0.018369
D2	2.235885
D3	-1.267226
D4	0.049573

Turbine Driver Data

Turbine Driver Data						
Turbine Name	Turbine Performance Type	Rated Speed	Rated Power	Rated Heat Rate	Inlet Duct Loss	Exhaust Duct Loss
		RPM	kW	MJ/MW-h	mm H2O	mm H2O
MARS100	ST_28MARS	9500.00	9700.08	11510.10	0.00	0.00
TAUR608	ST_28	14300.00	4312.39	12200.00	0.00	0.00
TAUR612	ST_28	14300.00	4312.39	12200.00	0.00	0.00

Generic Driver Performance Type Data

Volumetric Efficiency Coefficients			
Performance Type Name	A	B	C
DP1	0.8500	0.0000	0.0000
DP1-2	1.4920	-1.1200	0.6340
Motor_Big	1.8405	-1.5044	0.6575

Generic Driver Data

Generic Driver Data							
Generic Driver Name	Driver Performance Type	Ambient Rating Factor	Rated Temperature	Rated Driver Fuel Efficiency	Rated Power	Inlet Duct Loss	Exhaust Duct Loss
			Deg C	percent	kW	mm H2O	mm H2O
DRV15	DP1	0.00	15.00	25.00	919.45	0.00	0.00
DRV16	DP1	0.00	15.00	25.00	755.40	0.00	0.00
DVGR1	DP1	0.00	15.00	25.00	29828.04	0.00	0.00
DVGR3	DP1	0.00	15.00	25.00	11185.52	0.00	0.00
DVRG2	DP1	0.00	15.00	25.00	1252.78	0.00	0.00
DRVG3	DP1	0.00	15.00	25.00	1252.78	0.00	0.00
MOTOR_Cat_SID	DP1	0.00	15.00	33.40	999.24	0.00	0.00
Driver0004	Motor_Big	0.00	15.00	33.30	755.40	0.00	0.00

Network Configuration Report

Problem Size Report

Nodes	466
Pipes	309
Supplies	3
Deliveries	51
Fuel Deliveries	15
Block Valves	112
Regulators	2
Resistances	15
Coolers	15
Stations	15
Banks	15
Centrifugal Bank Compressors	29
Reciprocating Bank Compressors	11

Pipe Data

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
N01-A001	N01-A0001	N01-A0002
N01-B001	N01-B0001-PECBA	N01-B0002
N02-A001	N02-A0001	N02-A0002
N02-B001	N02-B0001	N02-B0002
N02-C001	N02-C0001	N02-C0002
N02-D001	N02-D0001	N02-D0002
N02-E001	N02-E0001	N02-E0002
N03-A001	N03-A0001	N03-A0002
N03-B001	N03-B0001	N03-B0002
N03-C001	N03-C0001	N03-C0002
N03-D001	N03-D0001	N03-D0002
N03-E001	N03-E0001	N03-E0002
N04-A001	N04-A0001	N04-A0002
N04-A002	N04-A0002	N04-A0003
N04-A003	N04-A0003	N04-A0004
N04-B001	N04-B0001	N04-B0002
N04-C001	N04-C0001	N04-C0002
N04-C002	N04-C0002	N04-C0003
N04-C003	N04-C0003	N04-C0004
N04-D001	N04-D0001	N04-D0002-PECGR
N05-A001	N05-A0001	N05-A0002
N05-B001	N05-B0001	N05-B0002
N05-B002	N05-B0002	N05-B0003
N05-B003	N05-B0003	N05-B0004
N05-B004	N05-B0004	N05-B0005
N05-C001	N05-C0001	N05-C0002
N05-D001	N05-D0001	N05-D0002
N06-A001	N06-A0001	N06-A0002
N06-A002	N06-A0002	N06-A0003
N06-B001	N06-B0001	N06-B0002
N06-B002	N06-B0002	N06-B0003
N06-C001	N06-C0001	N06-C0002
N06-D001	N06-D0001	N06-D0002

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
N06-E001	N06-E0001	N06-E0002
N07-A001	N07-A0001	N07-A0002
N07-B001	N07-B0001	N07-B0002
N07-B002	N07-B0002	N07-B0003-PEUFNTLG
N07-C001	N07-C0001-PEUTETLG	N07-C0002
N07-C002	N07-C0002	N07-C0003
N07-D001	N07-D0001	N07-D0002
N07-E001	N07-E0001	N07-E0002
N08-A001	N08-A0001	N08-A0002
N08-B001	N08-B0001-PEVPL	N08-B0002
N08-B002	N08-B0002	N08-B0003
N08-C001	N08-C0001	N08-C0002-PEBLC
N08-C002	N08-C0002-PEBLC	N08-C0003
N08-D001	N08-D0001	N08-D0002
N08-D002	N08-D0002	N08-D0003
N08-D003	N08-D0003	N08-D0004
N10-A001	N10-A0001	N10-A0002
N10-A002	N10-A0002	N10-A0003
N10-A003	N10-A0003	N10-A0004-PEIBT
N10-B001	N10-B0001	N10-B0002
N10-C001	N10-C0001	N10-C0002
N10-C002	N10-C0002	N10-C0003
N10-C003	N10-C0003	N10-C0004
N10-C004	N10-C0004	N10-C0005
N10-C005	N10-C0005	N10-C0006
N10-C006	N10-C0006	N10-C0007
N10-D001	N10-D0001-PEBSP	N10-D0002
N10-E001	N10-E0001	N10-E0002
N10-E002	N10-E0002	N10-E0003
N10-E003	N10-E0003	N10-E0004
N10-E004	N10-E0004	N10-E0005
N11-A001	N11-A0001	N11-A0002
N11-A002	N11-A0002	N11-A0003-PESCA
N11-A003	N11-A0003-PESCA	N11-A0004
N11-A004	N11-A0004	N11-A0005
N11-B001	N11-B0001	N11-B0002
N11-B002	N11-B0002	N11-B0003
N11-B003	N11-B0003	N11-B0004
N11-B004	N11-B0004	N11-B0005
N11-C001	N11-C0001	N11-C0002
N11-C002	N11-C0002	N11-C0003
N11-C003	N11-C0003	N11-C0004-PERCL
N11-C004	N11-C0004-PERCL	N11-C0005
N11-C005	N11-C0005	N11-C0006
N11-D001	N11-D0001	N11-D0002-PELMR
N11-D002	N11-D0002-PELMR	N11-D0003
N11-D003	N11-D0003	N11-D0004
N11-D004	N11-D0004	N11-D0005
N11-E001	N11-E0001	N11-E0002-PEAMR
N11-E002	N11-E0002-PEAMR	N11-E0003
N11-E003	N11-E0003	N11-E0004
N11-E004	N11-E0004	N11-E0005

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
S01-A002	S01-A0002-PEGMN	S01-A0003
S01-B001	S01-B0001	S01-B0002-PESMR
S01-B002	S01-B0002-PESMR	S01-B0003
S01-C001	S01-C0001	S01-C0002-PECMP
S01-C002	S01-C0002-PECMP	S01-C0003
S01-D001	S01-D0001	S01-D0002
S01-E002	S01-E0002-PEIND	S01-E0003-PEITU
S01-F001	S01-F0001	S01-F0002-PEPFZ
S01-G001	S01-G0001	S01-G0002
S01-G002	S01-G0002	S01-G0003-PEACB
S01-H001	S01-H0001	S01-H0002
S01-I001	S01-I0001	S01-I0002
S01-I002	S01-I0002	S01-I0003
S01-I003	S01-I0003	S01-I0004-PEITP
S01-J001	S01-J0001	S01-J0002
S01-J002	S01-J0002	S01-J0003
S01-J003	S01-J0003	S01-J0004
S01-K001	S01-L0001	S01-L0002
S01-K002	S01-L0002	S01-L0003
S02-A001	S02-A0001	S02-A0002
S02-B001	S02-B0001	S02-B0002
S02-B002	S02-B0002	S02-B0003
S02-B003	S02-B0003	S02-B0004
S02-B004	S02-B0004	S02-B0005
S02-B005	S02-B0005	S02-B0006
S02-C001	S02-C0001	S02-C0002
S02-C002	S02-C0002	S02-C0003
S02-C003	S02-C0003	S02-C0004
S02-C004	S02-C0004	S02-C0005
S02-C005	S02-C0005	S02-C0006
S02-D001	S02-D0001	S02-D0002
S02-E002	S02-E0002	S02-E0003
S02-E003	S02-E0003	S02-E0004
S02-E004	S02-E0004	S02-E0005
S02-E005	S02-E0005	S02-E0006
S02-E006	S02-E0006	S02-E0007
S02-G001	S02-G0001	S02-G0002
S02-G002	S02-G0002	S02-G0003
S02-G003	S02-G0003	S02-G0004
S02-G004	S02-G0004	S02-G0005
S02-G005	S02-G0005	S02-G0006
S02-H001	S02-H0001	S02-H0002
S02-H002	S02-H0002	S02-H0003
S02-H003	S02-H0003	S02-H0004
S02-H004	S02-H0004	S02-H0005
S02-I001	S02-I0001	S02-I0002
S02-I002	S02-I0002	S02-I0003
S02-J001	S02-J0001-PECLG	S02-J0002-PECICARC
S02-J002	S02-J0002-PECICARC	S02-J0003-PEUTEARC
S03-A001	S03-A0001	S03-A0002
S03-A002	S03-A0002	S03-A0003
S03-A003	S03-A0003	S03-A0004

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
S03-B001	S03-B0001	S03-B0002
S03-C001	S03-C0001	S03-C0002
S03-C002	S03-C0002	S03-C0003
S03-D001	S03-D0001	S03-D0002
S03-E001	S03-E0001	S03-E0002-PEJVL
S03-F001	S03-F0001	S03-F0002
S03-F002	S03-F0002	S03-F0003
S03-F003	S03-F0003	S03-F0004
S03-F004	S03-F0004	S03-F0005-PEGMM
S03-G001	S03-G0001	S03-G0002
S03-G002	S03-G0002	S03-G0003
S03-H001	S03-H0001	S03-H0002
S03-H002	S03-H0002	S03-H0003
S03-H003	S03-H0003	S03-H0004
S03-H004	S03-H0004	S03-H0005
S03-H005	S03-H0005	S03-H0006
S03-H006	S03-H0006	S03-H0007-PEGSP
S03-I001	S03-I0001	S03-I0002
S03-I002	S03-I0002	S03-I0003
S03-I003	S03-I0003	S03-I0004
S03-J001	S03-J0001	S03-J0002-PEBRQ
S03-J002	S03-J0002-PEBRQ	S03-J0003
S03-L001	S03-L0001	S03-L0002
S03-L002	S03-L0002	S03-L0003
S03-L003	S03-L0003	S03-L0004
S03-L004	S03-L0004	S03-L0005
S03-L005	S03-L0005	S03-L0006
S03-L006	S03-L0006	S03-L0007-PETJC
S03-M001	S03-M0001	S03-M0002
S03-M002	S03-M0002	S03-M0003
S03-M003	S03-M0003	S03-M0004
S04-A001	S04-A0001	S04-A0002-PESPA
S04-A002	S04-A0002-PESPA	S04-A0003
S04-A003	S04-A0003	S04-A0004
S04-A004	S04-A0004	S04-A0005
S04-A005	S04-A0005	S04-A0006
S04-B001	S04-B0001	S04-B0002
S04-B002	S04-B0002	S04-B0003
S04-B003	S04-B0003	S04-B0004
S04-B004	S04-B0004	S04-B0005
S04-B005	S04-B0005	S04-B0006
S04-B006	S04-B0006	S04-B0007
S04-B007	S04-B0007	S04-B0008
S04-B008	S04-B0008	S04-B0009
S04-B009	S04-B0009	S04-B0010
S04-B010	S04-B0010	S04-B0011
S04-C001	S04-C0001	S04-C0002
S04-C002	S04-C0002	S04-C0003
S04-C003	S04-C0003	S04-C0004
S04-C004	S04-C0004	S04-C0005
S04-C005	S04-C0005	S04-C0006
S04-D001	S04-D0001	S04-D0002

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
S04-D002	S04-D0002	S04-D0003
S04-D003	S04-D0003	S04-D0004
S04-E001	S04-E0001	S04-E0002
S04-E002	S04-E0002	S04-E0003
S04-E003	S04-E0003	S04-E0004
S04-E004	S04-E0004	S04-E0005
S04-E005	S04-E0005	S04-E0006
S04-E006	S04-E0006	S04-E0007
S04-E007	S04-E0007	S04-E0008-PETBR
S04-F001	S04-F0001	S04-F0002
S04-F002	S04-F0002	S04-F0003
S04-F003	S04-F0003	S04-F0004
S04-G001	S04-G0001	S04-G0002
S04-G002	S04-G0002	S04-G0003
S04-G003	S04-G0003	S04-G0004
S04-H001	S04-H0001	S04-H0002-PEURS
S04-H002	S04-H0002-PEURS	S04-H0003
S04-H003	S04-H0003	S04-H0004
S04-H004	S04-H0004	S04-H0005
S05-A001	S05-A0001	S05-A0002
S05-A002	S05-A0002	S05-A0003
S05-A003	S05-A0003	S05-A0004-PENVZ
S05-A004	S05-A0004-PENVZ	S05-A0005
S05-B001	S05-B0001	S05-B0002
S05-B002	S05-B0002	S05-B0003
S05-B003	S05-B0003	S05-B0004
S05-B004	S05-B0004	S05-B0005
S05-C001	S05-C0001	S05-C0002
S05-C002	S05-C0002	S05-C0003
S05-D001	S05-D0001	S05-D0002
S05-D002	S05-D0002	S05-D0003
S05-E001	S05-E0001	S05-E0002
S05-E002	S05-E0002	S05-E0003
S05-E003	S05-E0003	S05-E0004
S05-E004	S05-E0004	S05-E0005
S05-F001	S05-F0001	S05-F0002
S05-F002	S05-F0002	S05-F0003
S05-F003	S05-F0003	S05-F0004-PEVZC
S05-G001	S05-G0001	S05-G0002
S05-G002	S05-G0002	S05-G0003
S05-H001	S05-H0001	S05-H0002
S05-H002	S05-H0002	S05-H0003
S05-H003	S05-H0003	S05-H0004
S05-H004	S05-H0004	S05-H0005
S05-H005	S05-H0005	S05-H0006-PEIGR
S05-H006	S05-H0006-PEIGR	S05-H0007
S05-I001	S05-I0001	S05-I0002
S05-I002	S05-I0002	S05-I0003
S05-I003	S05-I0003	S05-I0004-PEARA
S05-I004	S05-I0004-PEARA	S05-I0005
S05-J001	S05-J0001	S05-J0002
S05-J002	S05-J0002	S05-J0003

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
S05-J003	S05-J0003	S05-J0004
S05-L001	S05-L0001	S05-L0002
S05-L002	S05-L0002	S05-L0003-PECCH
S05-L003	S05-L0003-PECCH	S05-L0004-PECAN
P01-A001	P01-A0001	P01-A0002
P01-A002	P01-A0002	P01-A0003
P01-B001	P01-B0001-PEJGN	P01-B0002
P01-B002	P01-B0002	P01-B0003
P01-B003	P01-B0003	P01-B0004
P01-C001	P01-C0001	P01-C0002
P01-C002	P01-C0002	P01-C0003
P01-D001	P01-D0001	P01-D0002-PEITA
P01-D002	P01-D0002-PEITA	P01-D0003
P01-E001	P01-E0001	P01-E0002
P01-F001	P01-F0001	P01-F0002
P01-G001	P01-G0001	P01-G0002
P01-G002	P01-G0002	P01-G0003
P01-G003	P01-G0003	P01-G0004
P01-H001	P01-H0001	P01-H0002
P01-H002	P01-H0002	P01-H0003
P01-H003	P01-H0003	P01-H0004
P01-H004	P01-H0004	P01-H0005
P01-I001	P01-I0001	P01-I0002-PEGRM
P01-I002	P01-I0002-PEGRM	P01-I0003
P01-J001	P01-J0001	P01-J0002
P01-J002	P01-J0002	P01-J0003
P01-J003	P01-J0003	P01-J0004
P01-L001	P01-L0001	P01-L0002-EMEDGRM
S01-F002	S01-F0002-PEPFZ	S01-F0003
S01-A001	S01-A0001	S01-A0002-PEGMN
N10-A004	N10-A0004-PEIBT	N10-A0005
S01-E001	S01-E0001	S01-E0002-PEIND
S02-E001	S02-E0001	S02-E0002
S02-F008	S02-F0008	S02-F0009
S02-F001	S02-F0001	S02-F0002
S02-F002	S02-F0002	S02-F0003
S02-F003	S02-F0003	S02-F0004
S02-F004	S02-F0004	S02-F0005
S02-F005	S02-F0005	S02-F0006
S02-F006	S02-F0006	S02-F0007
S02-F007	S02-F0007	S02-F0008
S02-F009	S02-F0009	S02-F0010
N09_A001	N09-A0001	N09-A0002
N09_A002	N09-A0002	N09-A0003
N09_A003	N09-A0003	N09-A0004
N09_A004	N09-A0004	N09-A0005
N09_A005	N09-A0005	N09-A0006
N09_B001	N09-B0001	N09-B0002
N09_B002	N09-B0002	N09-B0003
N09_B003	N09-B0003	N09-B0004
N09_B004	N09-B0004	N09-B0005-PEGUA
N09_B005	N09-B0005-PEGUA	N09-B0006

Pipe Connection Data		
Pipe Name	Head Node	Tail Node
N09_B006	N09-B0006	N09-B0007
N09_B007	N09-B0007	N09-B0008
N09_C001	N09-C0001	N09-C0002
N09_C002	N09-C0002	N09-C0003
N09_C003	N09-C0003	N09-C0004
N09_C004	N09-C0004	N09-C0005
N09_C005	N09-C0005	N09-C0006
N09_D001	N09-D0001	N09-D0002
N09_D002	N09-D0002	N09-D0003
N09_D003	N09-D0003	N09-D0004
N09_D004	N09-D0004	N09-D0005
N09_D005	N09-D0005	N09-D0006
N09_D006	N09-D0006	N09-D0007
N09_D007	N09-D0007	N09-D0008
N09_D008	N09-D0008	N09-D0009
N09_D009	N09-D0009	N09-D0010-PEIAC

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
N01-A001	27.70		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N01-B001	18.90		31.080	31.980	0.4500	0.0090	1.00	28.00	-22.587
N02-A001	12.90		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N02-B001	24.30		31.070	31.970	0.4500	0.0090	1.00	28.00	-22.587
N02-C001	27.10		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N02-D001	26.90		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N02-E001	30.50		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N03-A001	23.00		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N03-B001	25.30		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N03-C001	21.50		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N03-D001	27.20		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N03-E001	21.30		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N04-A001	10.64		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N04-A002	7.69		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N04-A003	1.60		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N04-B001	26.80		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N04-C001	8.50		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N04-C002	9.79		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N04-C003	12.20		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N04-D001	27.80		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N05-A001	33.30		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N05-B001	13.55		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N05-B002	7.15		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N05-B003	5.75		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N05-B004	6.60		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N05-C001	34.00		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N05-D001	28.00		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N06-A001	1.99		31.040	31.940	0.4500	0.0090	1.00	28.00	-22.587
N06-A002	26.10		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N06-B001	11.85		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N06-B002	20.90		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
N06-C001	24.20		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N06-D001	19.50		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N06-E001	24.10		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N07-A001	28.40		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N07-B001	11.58		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N07-B002	12.50		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N07-C001	12.00		31.080	31.980	0.4500	0.0090	1.00	26.00	-22.587
N07-C002	20.60		31.070	31.970	0.4500	0.0090	1.00	26.00	-22.587
N07-D001	22.10		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N07-E001	21.30		31.080	31.980	0.4500	0.0090	1.00	26.00	-22.587
N08-A001	30.20		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N08-B001	23.42		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N08-B002	7.70		31.030	31.930	0.4500	0.0090	1.00	26.00	-22.587
N08-C001	16.50		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N08-C002	9.80		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N08-D001	10.17		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N08-D002	1.06		30.920	31.820	0.4500	0.0090	1.00	26.00	-22.587
N08-D003	18.20		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N10-A001	3.89		30.940	31.840	0.4500	0.0090	1.00	26.00	-22.587
N10-A002	5.08		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N10-A003	12.40		31.070	31.970	0.4500	0.0090	1.00	26.00	-22.587
N10-B001	25.20		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N10-C001	3.89		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N10-C002	5.50		30.920	31.820	0.4500	0.0090	1.00	26.00	-22.587
N10-C003	6.14		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N10-C004	5.39		30.920	31.820	0.4500	0.0090	1.00	26.00	-22.587
N10-C005	4.29		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N10-C006	0.60		31.060	31.960	0.4500	0.0090	0.50	26.00	-22.587
N10-D001	31.00		31.050	31.950	0.4500	0.0090	1.00	26.00	-22.587
N10-E001	2.22		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N10-E002	2.70		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N10-E003	2.22		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N10-E004	7.00		30.900	31.800	0.4500	0.0090	1.00	28.00	-22.587
N11-A001	7.53		30.900	31.800	0.4500	0.0090	1.00	28.00	-22.587
N11-A002	1.90		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N11-A003	4.44		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N11-A004	13.30		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N11-B001	2.90		31.100	32.000	0.4500	0.0090	1.00	28.00	-22.587
N11-B002	4.14		30.920	31.820	0.4500	0.0090	1.00	28.00	-22.587
N11-B003	12.02		31.090	31.990	0.4500	0.0090	1.00	28.00	-22.587
N11-B004	3.90		30.950	31.850	0.4500	0.0090	1.00	28.00	-22.587
N11-C001	1.27		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N11-C002	0.24		30.920	31.820	0.4500	0.0090	0.20	26.00	-22.587
N11-C003	11.70		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N11-C004	9.66		31.050	31.950	0.4500	0.0090	1.00	26.00	-22.587
N11-C005	5.40		30.860	31.760	0.4500	0.0090	1.00	26.00	-22.587
N11-D001	3.90		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N11-D002	2.95		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N11-D003	5.51		30.910	31.810	0.4500	0.0090	1.00	26.00	-22.587
N11-D004	11.20		31.090	31.990	0.4500	0.0090	1.00	26.00	-22.587
N11-E001	2.40		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
N11-E002	4.70		31.100	32.000	0.4500	0.0090	1.00	26.00	-22.587
N11-E003	5.49		30.920	31.820	0.4500	0.0090	1.00	26.00	-22.587
N11-E004	8.30		30.700	31.600	0.4500	0.0090	1.00	26.00	-22.587
S01-A002	8.74		23.030	23.730	0.3500	0.0110	1.00	26.00	-22.587
S01-B001	5.22		23.030	23.730	0.3500	0.0110	1.00	26.00	-22.587
S01-B002	4.57		23.030	23.730	0.3500	0.0110	1.00	26.00	-22.587
S01-C001	8.12		23.030	23.730	0.3500	0.0110	1.00	26.00	-22.587
S01-C002	2.56		23.030	23.730	0.3500	0.0110	1.00	26.00	-22.587
S01-D001	13.98		23.260	23.960	0.3500	0.0110	1.00	26.00	-22.587
S01-E002	18.89		23.230	23.930	0.3500	0.0110	1.00	26.00	-22.587
S01-F001	16.24		23.200	23.900	0.3500	0.0110	1.00	26.00	-22.587
S01-G001	4.73		23.310	24.010	0.3500	0.0110	1.00	26.00	-22.587
S01-G002	14.54		23.280	23.980	0.3500	0.0110	1.00	26.00	-22.587
S01-H001	22.09		23.290	23.990	0.3500	0.0110	1.00	26.00	-22.587
S01-I001	2.70		23.300	24.000	0.3500	0.0110	1.00	26.00	-22.587
S01-I002	2.83		23.320	24.020	0.3500	0.0110	1.00	26.00	-22.587
S01-I003	17.46		23.190	23.890	0.3500	0.0110	1.00	26.00	-22.587
S01-J001	6.03		23.320	24.020	0.3500	0.0110	1.00	26.00	-22.587
S01-J002	16.14		23.320	24.020	0.3500	0.0110	1.00	26.00	-22.587
S01-J003	8.95		23.320	24.020	0.3500	0.0110	1.00	26.00	-22.587
S01-K001	9.87		23.320	24.020	0.3500	0.0110	1.00	26.00	-22.587
S01-K002	20.18		23.320	24.020	0.3500	0.0110	1.00	26.00	-22.587
S02-A001	22.30		22.305	23.005	0.3500	0.0180	1.00	24.00	-22.587
S02-B001	2.34		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-B002	2.74		23.030	23.730	0.3500	0.0180	1.00	24.00	-22.587
S02-B003	8.46		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-B004	3.86		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-B005	5.00		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-C001	7.08		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-C002	3.87		23.030	23.730	0.3500	0.0180	1.00	24.00	-22.587
S02-C003	1.01		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-C004	2.71		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-C005	5.14		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-D001	28.82		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-E002	2.99		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-E003	1.73		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-E004	8.94		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-E005	1.43		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-E006	5.44		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-G001	10.28		23.190	23.890	0.3500	0.0180	1.00	24.00	-22.587
S02-G002	9.80		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-G003	0.81		23.320	24.020	0.3500	0.0180	0.50	24.00	-22.587
S02-G004	2.02		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-G005	8.12		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-H001	3.59		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-H002	14.30		23.050	23.750	0.3500	0.0180	1.00	24.00	-22.587
S02-H003	8.64		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-H004	4.41		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-I001	11.97		23.320	24.020	0.3500	0.0180	1.00	24.00	-22.587
S02-I002	9.51		23.150	23.850	0.3500	0.0180	1.00	24.00	-22.587
S02-J001	18.80		23.180	23.880	0.3500	0.0180	1.00	24.00	-22.587

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
S02-J002	2.01		23.180	23.880	0.3500	0.0180	1.00	24.00	-22.587
S03-A001	0.75		19.380	19.880	0.2500	0.0110	0.50	21.00	-22.587
S03-A002	7.69		19.490	19.990	0.2500	0.0110	1.00	21.00	-22.587
S03-A003	3.88		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-B001	26.15		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-C001	10.04		19.490	19.990	0.2500	0.0110	1.00	21.00	-22.587
S03-C002	8.70		19.480	19.980	0.2500	0.0110	1.00	21.00	-22.587
S03-D001	24.42		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-E001	24.04		19.490	19.990	0.2500	0.0110	1.00	21.00	-22.587
S03-F001	2.74		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-F002	17.54		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-F003	8.62		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-F004	1.65		19.430	19.930	0.2500	0.0110	1.00	21.00	-22.587
S03-G001	22.77		19.380	19.880	0.2500	0.0110	0.50	21.00	-22.587
S03-G002	1.69		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-H001	0.59		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-H002	9.20		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-H003	8.73		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-H004	5.03		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-H005	1.47		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-H006	6.17		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-I001	0.90		19.380	19.880	0.2500	0.0110	0.50	21.00	-22.587
S03-I002	9.41		19.490	19.990	0.2500	0.0110	1.00	21.00	-22.587
S03-I003	7.43		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S03-J001	5.13		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-J002	7.55		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-L001	6.80		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-L002	6.04		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-L003	1.36		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-L004	1.68		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-L005	4.26		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-L006	7.67		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-M001	19.92		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-M002	6.61		19.500	20.000	0.2500	0.0110	1.00	21.00	-22.587
S03-M003	2.01		19.380	19.880	0.2500	0.0110	1.00	21.00	-22.587
S04-A001	10.98		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-A002	3.38		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-A003	8.41		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-A004	4.88		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-A005	2.88		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B001	2.79		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B002	4.64		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B003	1.70		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B004	6.25		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B005	5.83		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B006	1.47		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B007	1.89		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B008	2.75		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-B009	1.65		17.500	18.000	0.2500	0.0250	0.20	21.00	-22.587
S04-B010	0.34		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-C001	3.46		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
S04-C002	2.38		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-C003	6.49		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-C004	9.30		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-C005	9.88		17.380	17.880	0.2500	0.0250	1.00	21.00	-22.587
S04-D001	12.03		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-D002	4.47		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-D003	8.37		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-E001	1.46		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-E002	1.50		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-E003	2.78		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-E004	1.58		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-E005	7.65		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-E006	7.03		17.380	17.880	0.2500	0.0250	1.00	21.00	-22.587
S04-E007	0.19		17.500	18.000	0.2500	0.0250	0.10	21.00	-22.587
S04-F001	4.34		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-F002	2.07		17.380	17.880	0.2500	0.0250	1.00	21.00	-22.587
S04-F003	2.21		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-G001	8.86		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-G002	4.84		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-G003	4.64		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-H001	3.86		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-H002	8.51		17.380	17.880	0.2500	0.0250	1.00	21.00	-22.587
S04-H003	1.62		17.500	18.000	0.2500	0.0250	1.00	21.00	-22.587
S04-H004	1.26		17.460	17.960	0.2500	0.0250	1.00	21.00	-22.587
S05-A001	2.01		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-A002	2.46		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-A003	6.36		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-A004	15.77		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-B001	7.37		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-B002	11.03		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-B003	1.52		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-B004	2.58		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-C001	11.69		15.250	15.750	0.2500	0.0250	1.00	21.00	-22.587
S05-C002	4.65		15.250	15.750	0.2500	0.0250	1.00	21.00	-22.587
S05-D001	22.56		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-D002	5.99		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-E001	1.90		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-E002	9.74		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-E003	1.71		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-E004	4.95		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-F001	4.45		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-F002	8.48		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-F003	15.88		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-G001	16.89		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-G002	13.43		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-H001	10.75		15.550	16.050	0.2500	0.0250	1.00	21.00	-22.587
S05-H002	3.71		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-H003	2.69		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-H004	6.33		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-H005	6.65		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
S05-H006	2.46		15.520	16.020	0.2500	0.0250	1.00	21.00	-22.587

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
S05-I001	1.28		15.550	16.050	0.2500	0.0250	1.00	21.00	-22.587
S05-I002	9.98		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-I003	3.17		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-I004	6.70		15.510	16.010	0.2500	0.0250	1.00	21.00	-22.587
S05-J001	8.34		15.540	16.040	0.2500	0.0250	1.00	21.00	-22.587
S05-J002	2.65		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-J003	3.76		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-L001	0.41		15.560	16.060	0.2500	0.0250	0.20	21.00	-22.587
S05-L002	7.07		15.560	16.060	0.2500	0.0250	1.00	21.00	-22.587
S05-L003	5.45		15.440	15.940	0.2500	0.0250	1.00	21.00	-22.587
P01-A001	5.62		23.270	23.970	0.3500	0.0220	1.00	24.00	-22.587
P01-A002	3.50		23.270	23.970	0.3500	0.0220	1.00	24.00	-22.587
P01-B001	2.13		23.480	24.180	0.3500	0.0220	1.00	24.00	-22.587
P01-B002	8.48		23.280	23.980	0.3500	0.0220	1.00	24.00	-22.587
P01-B003	3.33		23.490	24.190	0.3500	0.0220	1.00	24.00	-22.587
P01-C001	1.61		23.290	23.990	0.3500	0.0220	1.00	24.00	-22.587
P01-C002	10.45		23.440	24.140	0.3500	0.0220	1.00	24.00	-22.587
P01-D001	1.02		23.440	24.140	0.3500	0.0220	1.00	24.00	-22.587
P01-D002	12.75		23.270	23.970	0.3500	0.0220	1.00	24.00	-22.587
P01-E001	20.84		23.440	24.140	0.3500	0.0220	1.00	24.00	-22.587
P01-F001	14.29		23.290	23.990	0.3500	0.0220	1.00	24.00	-22.587
P01-G001	4.32		23.460	24.160	0.3500	0.0220	1.00	24.00	-22.587
P01-G002	8.00		23.420	24.120	0.3500	0.0220	1.00	24.00	-22.587
P01-G003	1.55		23.430	24.130	0.3500	0.0220	1.00	24.00	-22.587
P01-H001	6.21		23.490	24.190	0.3500	0.0220	1.00	24.00	-22.587
P01-H002	3.75		23.390	24.090	0.3500	0.0220	1.00	24.00	-22.587
P01-H003	11.65		23.490	24.190	0.3500	0.0220	1.00	24.00	-22.587
P01-H004	1.97		23.380	24.080	0.3500	0.0220	1.00	24.00	-22.587
P01-I001	4.39		23.380	24.080	0.3500	0.0220	1.00	24.00	-22.587
P01-I002	12.99		23.350	24.050	0.3500	0.0220	1.00	24.00	-22.587
P01-J001	1.54		23.350	24.050	0.3500	0.0220	1.00	24.00	-22.587
P01-J002	7.41		23.490	24.190	0.3500	0.0220	1.00	24.00	-22.587
P01-J003	1.40		23.410	24.110	0.3500	0.0220	1.00	24.00	-22.587
P01-L001	6.17		23.450	24.150	0.3500	0.0220	1.00	24.00	-22.587
S01-F002	5.93		23.200	23.900	0.3500	0.0110	1.00	21.00	-22.587
S01-A001	2.05		23.030	23.730	0.3500	0.0110	1.00	21.00	-22.587
N10-A004	5.50		31.070	31.970	0.4500	0.0090	1.00	26.00	-22.587
S01-E001	4.60		23.230	23.930	0.3500	0.0110	1.00	21.00	-22.587
S02-E001	8.45		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F008	2.29		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F001	2.20		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F002	8.48		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F003	8.70		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F004	3.34		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F005	3.55		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F006	1.68		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F007	2.79		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
S02-F009	1.36		23.320	24.020	0.3500	0.0180	1.00	21.00	-22.587
N09_A001	2.36		31.075	31.975	0.4500	0.0090	1.00	26.00	-22.587
N09_A002	6.91		31.096	31.996	0.4500	0.0090	1.00	26.00	-22.587
N09_A003	11.88		31.096	31.996	0.4500	0.0090	1.00	26.00	-22.587

Pipe Configuration Data									
Pipe Name	Length	Pipe Type	Inside Diameter	Outside Diameter	Wall Thickness	Absolute Roughness	Distance Step	Ambient Temperature	Heat Transfer Coefficient
	km		in	in	in	mm	km	Deg C	KCAL/H*M2*DGC
N09_A004	1.58		31.098	31.998	0.4500	0.0090	1.00	26.00	-22.587
N09_A005	2.10		31.040	31.940	0.4500	0.0090	1.00	26.00	-22.587
N09_B001	2.56		31.071	31.971	0.4500	0.0090	1.00	26.00	-22.587
N09_B002	4.22		31.094	31.994	0.4500	0.0090	1.00	26.00	-22.587
N09_B003	1.95		31.093	31.993	0.4500	0.0090	1.00	26.00	-22.587
N09_B004	2.40		30.948	31.848	0.4500	0.0090	1.00	26.00	-22.587
N09_B005	3.84		30.922	31.822	0.4500	0.0090	1.00	26.00	-22.587
N09_B006	6.59		31.009	31.909	0.4500	0.0090	1.00	26.00	-22.587
N09_B007	8.60		30.926	31.826	0.4500	0.0090	1.00	26.00	-22.587
N09_C001	5.73		30.918	31.818	0.4500	0.0090	1.00	26.00	-22.587
N09_C002	9.34		30.932	31.832	0.4500	0.0090	1.00	26.00	-22.587
N09_C003	5.52		30.919	31.819	0.4500	0.0090	1.00	26.00	-22.587
N09_C004	2.59		30.918	31.818	0.4500	0.0090	1.00	26.00	-22.587
N09_C005	16.60		30.939	31.839	0.4500	0.0090	1.00	26.00	-22.587
N09_D001	2.98		30.926	31.826	0.4500	0.0090	1.00	26.00	-22.587
N09_D002	1.62		30.980	31.880	0.4500	0.0090	1.00	26.00	-22.587
N09_D003	4.93		31.059	31.959	0.4500	0.0090	1.00	26.00	-22.587
N09_D004	3.52		30.938	31.838	0.4500	0.0090	1.00	26.00	-22.587
N09_D005	1.88		30.919	31.819	0.4500	0.0090	1.00	26.00	-22.587
N09_D006	3.70		30.953	31.853	0.4500	0.0090	1.00	26.00	-22.587
N09_D007	2.91		30.918	31.818	0.4500	0.0090	1.00	26.00	-22.587
N09_D008	2.75		30.918	31.818	0.4500	0.0090	1.00	26.00	-22.587
N09_D009	2.70		30.875	31.775	0.4500	0.0090	1.00	26.00	-22.587

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
N01-A001	AGA	0.987	1.0000
N01-B001	AGA	0.987	1.0000
N02-A001	AGA	0.980	1.0000
N02-B001	AGA	0.980	1.0000
N02-C001	AGA	0.980	1.0000
N02-D001	AGA	0.980	1.0000
N02-E001	AGA	0.980	1.0000
N03-A001	AGA	0.960	1.0000
N03-B001	AGA	0.960	1.0000
N03-C001	AGA	0.960	1.0000
N03-D001	AGA	0.960	1.0000
N03-E001	AGA	0.960	1.0000
N04-A001	AGA	0.990	1.0000
N04-A002	AGA	0.990	1.0000
N04-A003	AGA	0.990	1.0000
N04-B001	AGA	0.990	1.0000
N04-C001	AGA	0.990	1.0000
N04-C002	AGA	0.990	1.0000
N04-C003	AGA	0.990	1.0000
N04-D001	AGA	0.990	1.0000
N05-A001	AGA	0.980	1.0000
N05-B001	AGA	0.980	1.0000
N05-B002	AGA	0.980	1.0000
N05-B003	AGA	0.980	1.0000

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
N05-B004	AGA	0.980	1.0000
N05-C001	AGA	0.980	1.0000
N05-D001	AGA	0.980	1.0000
N06-A001	AGA	0.980	1.0000
N06-A002	AGA	0.980	1.0000
N06-B001	AGA	0.980	1.0000
N06-B002	AGA	0.980	1.0000
N06-C001	AGA	0.980	1.0000
N06-D001	AGA	0.980	1.0000
N06-E001	AGA	0.980	1.0000
N07-A001	AGA	0.980	1.0000
N07-B001	AGA	0.980	1.0000
N07-B002	AGA	0.980	1.0000
N07-C001	AGA	0.980	1.0000
N07-C002	AGA	0.980	1.0000
N07-D001	AGA	0.980	1.0000
N07-E001	AGA	0.980	1.0000
N08-A001	AGA	0.983	1.0000
N08-B001	AGA	0.983	1.0000
N08-B002	AGA	0.983	1.0000
N08-C001	AGA	0.983	1.0000
N08-C002	AGA	0.983	1.0000
N08-D001	AGA	0.983	1.0000
N08-D002	AGA	0.983	1.0000
N08-D003	AGA	0.983	1.0000
N10-A001	AGA	0.983	1.0000
N10-A002	AGA	0.983	1.0000
N10-A003	AGA	0.983	1.0000
N10-B001	AGA	0.983	1.0000
N10-C001	AGA	0.983	1.0000
N10-C002	AGA	0.983	1.0000
N10-C003	AGA	0.983	1.0000
N10-C004	AGA	0.983	1.0000
N10-C005	AGA	0.983	1.0000
N10-C006	AGA	0.983	1.0000
N10-D001	AGA	0.983	1.0000
N10-E001	AGA	0.983	1.0000
N10-E002	AGA	0.983	1.0000
N10-E003	AGA	0.983	1.0000
N10-E004	AGA	0.983	1.0000
N11-A001	AGA	0.985	1.0000
N11-A002	AGA	0.985	1.0000
N11-A003	AGA	0.985	1.0000
N11-A004	AGA	0.985	1.0000
N11-B001	AGA	0.985	1.0000
N11-B002	AGA	0.985	1.0000
N11-B003	AGA	0.985	1.0000
N11-B004	AGA	0.985	1.0000
N11-C001	AGA	0.985	1.0000
N11-C002	AGA	0.985	1.0000
N11-C003	AGA	0.985	1.0000
N11-C004	AGA	0.985	1.0000

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
N11-C005	AGA	0.985	1.0000
N11-D001	AGA	0.985	1.0000
N11-D002	AGA	0.985	1.0000
N11-D003	AGA	0.985	1.0000
N11-D004	AGA	0.985	1.0000
N11-E001	AGA	0.985	1.0000
N11-E002	AGA	0.985	1.0000
N11-E003	AGA	0.985	1.0000
N11-E004	AGA	0.985	1.0000
S01-A002	AGA	0.960	1.0000
S01-B001	AGA	0.960	1.0000
S01-B002	AGA	0.960	1.0000
S01-C001	AGA	0.960	1.0000
S01-C002	AGA	0.960	1.0000
S01-D001	AGA	0.960	1.0000
S01-E002	AGA	0.960	1.0000
S01-F001	AGA	0.960	1.0000
S01-G001	AGA	0.960	1.0000
S01-G002	AGA	0.960	1.0000
S01-H001	AGA	0.960	1.0000
S01-I001	AGA	0.960	1.0000
S01-I002	AGA	0.960	1.0000
S01-I003	AGA	0.960	1.0000
S01-J001	AGA	0.960	1.0000
S01-J002	AGA	0.960	1.0000
S01-J003	AGA	0.960	1.0000
S01-K001	AGA	0.960	1.0000
S01-K002	AGA	0.960	1.0000
S02-A001	AGA	0.955	1.0000
S02-B001	AGA	0.955	1.0000
S02-B002	AGA	0.955	1.0000
S02-B003	AGA	0.955	1.0000
S02-B004	AGA	0.955	1.0000
S02-B005	AGA	0.955	1.0000
S02-C001	AGA	0.955	1.0000
S02-C002	AGA	0.955	1.0000
S02-C003	AGA	0.955	1.0000
S02-C004	AGA	0.955	1.0000
S02-C005	AGA	0.955	1.0000
S02-D001	AGA	0.955	1.0000
S02-E002	AGA	0.955	1.0000
S02-E003	AGA	0.955	1.0000
S02-E004	AGA	0.955	1.0000
S02-E005	AGA	0.955	1.0000
S02-E006	AGA	0.955	1.0000
S02-G001	AGA	0.955	1.0000
S02-G002	AGA	0.955	1.0000
S02-G003	AGA	0.955	1.0000
S02-G004	AGA	0.955	1.0000
S02-G005	AGA	0.955	1.0000
S02-H001	AGA	0.955	1.0000
S02-H002	AGA	0.955	1.0000

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
S02-H003	AGA	0.955	1.0000
S02-H004	AGA	0.955	1.0000
S02-I001	AGA	0.955	1.0000
S02-I002	AGA	0.955	1.0000
S02-J001	AGA	0.955	1.0000
S02-J002	AGA	0.955	1.0000
S03-A001	AGA	0.980	1.0000
S03-A002	AGA	0.980	1.0000
S03-A003	AGA	0.980	1.0000
S03-B001	AGA	0.980	1.0000
S03-C001	AGA	0.980	1.0000
S03-C002	AGA	0.980	1.0000
S03-D001	AGA	0.980	1.0000
S03-E001	AGA	0.980	1.0000
S03-F001	AGA	0.980	1.0000
S03-F002	AGA	0.980	1.0000
S03-F003	AGA	0.980	1.0000
S03-F004	AGA	0.980	1.0000
S03-G001	AGA	0.980	1.0000
S03-G002	AGA	0.980	1.0000
S03-H001	AGA	0.980	1.0000
S03-H002	AGA	0.980	1.0000
S03-H003	AGA	0.980	1.0000
S03-H004	AGA	0.980	1.0000
S03-H005	AGA	0.980	1.0000
S03-H006	AGA	0.980	1.0000
S03-I001	AGA	0.980	1.0000
S03-I002	AGA	0.980	1.0000
S03-I003	AGA	0.980	1.0000
S03-J001	AGA	0.980	1.0000
S03-J002	AGA	0.980	1.0000
S03-L001	AGA	0.980	1.0000
S03-L002	AGA	0.980	1.0000
S03-L003	AGA	0.980	1.0000
S03-L004	AGA	0.980	1.0000
S03-L005	AGA	0.980	1.0000
S03-L006	AGA	0.980	1.0000
S03-M001	AGA	0.980	1.0000
S03-M002	AGA	0.980	1.0000
S03-M003	AGA	0.980	1.0000
S04-A001	AGA	0.960	1.0000
S04-A002	AGA	0.960	1.0000
S04-A003	AGA	0.960	1.0000
S04-A004	AGA	0.960	1.0000
S04-A005	AGA	0.960	1.0000
S04-B001	AGA	0.960	1.0000
S04-B002	AGA	0.960	1.0000
S04-B003	AGA	0.960	1.0000
S04-B004	AGA	0.960	1.0000
S04-B005	AGA	0.960	1.0000
S04-B006	AGA	0.960	1.0000
S04-B007	AGA	0.960	1.0000

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
S04-B008	AGA	0.960	1.0000
S04-B009	AGA	0.960	1.0000
S04-B010	AGA	0.960	1.0000
S04-C001	AGA	0.960	1.0000
S04-C002	AGA	0.960	1.0000
S04-C003	AGA	0.960	1.0000
S04-C004	AGA	0.960	1.0000
S04-C005	AGA	0.960	1.0000
S04-D001	AGA	0.960	1.0000
S04-D002	AGA	0.960	1.0000
S04-D003	AGA	0.960	1.0000
S04-E001	AGA	0.960	1.0000
S04-E002	AGA	0.960	1.0000
S04-E003	AGA	0.960	1.0000
S04-E004	AGA	0.960	1.0000
S04-E005	AGA	0.960	1.0000
S04-E006	AGA	0.960	1.0000
S04-E007	AGA	0.960	1.0000
S04-F001	AGA	0.960	1.0000
S04-F002	AGA	0.960	1.0000
S04-F003	AGA	0.960	1.0000
S04-G001	AGA	0.960	1.0000
S04-G002	AGA	0.960	1.0000
S04-G003	AGA	0.960	1.0000
S04-H001	AGA	0.960	1.0000
S04-H002	AGA	0.960	1.0000
S04-H003	AGA	0.960	1.0000
S04-H004	AGA	0.960	1.0000
S05-A001	AGA	0.960	1.0000
S05-A002	AGA	0.960	1.0000
S05-A003	AGA	0.960	1.0000
S05-A004	AGA	0.960	1.0000
S05-B001	AGA	0.960	1.0000
S05-B002	AGA	0.960	1.0000
S05-B003	AGA	0.960	1.0000
S05-B004	AGA	0.960	1.0000
S05-C001	AGA	0.960	1.0000
S05-C002	AGA	0.960	1.0000
S05-D001	AGA	0.960	1.0000
S05-D002	AGA	0.960	1.0000
S05-E001	AGA	0.960	1.0000
S05-E002	AGA	0.960	1.0000
S05-E003	AGA	0.960	1.0000
S05-E004	AGA	0.960	1.0000
S05-F001	AGA	0.960	1.0000
S05-F002	AGA	0.960	1.0000
S05-F003	AGA	0.960	1.0000
S05-G001	AGA	0.960	1.0000
S05-G002	AGA	0.960	1.0000
S05-H001	AGA	0.960	1.0000
S05-H002	AGA	0.960	1.0000
S05-H003	AGA	0.960	1.0000

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
S05-H004	AGA	0.960	1.0000
S05-H005	AGA	0.960	1.0000
S05-H006	AGA	0.960	1.0000
S05-I001	AGA	0.960	1.0000
S05-I002	AGA	0.960	1.0000
S05-I003	AGA	0.960	1.0000
S05-I004	AGA	0.960	1.0000
S05-J001	AGA	0.960	1.0000
S05-J002	AGA	0.960	1.0000
S05-J003	AGA	0.960	1.0000
S05-L001	AGA	0.960	1.0000
S05-L002	AGA	0.960	1.0000
S05-L003	AGA	0.960	1.0000
P01-A001	AGA	0.960	1.0000
P01-A002	AGA	0.960	1.0000
P01-B001	AGA	0.960	1.0000
P01-B002	AGA	0.960	1.0000
P01-B003	AGA	0.960	1.0000
P01-C001	AGA	0.960	1.0000
P01-C002	AGA	0.960	1.0000
P01-D001	AGA	0.960	1.0000
P01-D002	AGA	0.960	1.0000
P01-E001	AGA	0.960	1.0000
P01-F001	AGA	0.960	1.0000
P01-G001	AGA	0.960	1.0000
P01-G002	AGA	0.960	1.0000
P01-G003	AGA	0.960	1.0000
P01-H001	AGA	0.960	1.0000
P01-H002	AGA	0.960	1.0000
P01-H003	AGA	0.960	1.0000
P01-H004	AGA	0.960	1.0000
P01-I001	AGA	0.960	1.0000
P01-I002	AGA	0.960	1.0000
P01-J001	AGA	0.960	1.0000
P01-J002	AGA	0.960	1.0000
P01-J003	AGA	0.960	1.0000
P01-L001	AGA	0.960	1.0000
S01-F002	AGA	0.960	1.0000
S01-A001	AGA	0.960	1.0000
N10-A004	AGA	0.983	1.0000
S01-E001	AGA	0.960	1.0000
S02-E001	AGA	0.955	1.0000
S02-F008	AGA	0.955	1.0000
S02-F001	AGA	0.955	1.0000
S02-F002	AGA	0.955	1.0000
S02-F003	AGA	0.955	1.0000
S02-F004	AGA	0.955	1.0000
S02-F005	AGA	0.955	1.0000
S02-F006	AGA	0.955	1.0000
S02-F007	AGA	0.955	1.0000
S02-F009	AGA	0.955	1.0000
N09_A001	AGA	0.960	1.0000

Pipe Friction Factor Data			
Pipe Name	Friction Formula	FF Drag Coefficient	Efficiency FF
N09_A002	AGA	0.960	1.0000
N09_A003	AGA	0.960	1.0000
N09_A004	AGA	0.960	1.0000
N09_A005	AGA	0.960	1.0000
N09_B001	AGA	0.960	1.0000
N09_B002	AGA	0.960	1.0000
N09_B003	AGA	0.960	1.0000
N09_B004	AGA	0.960	1.0000
N09_B005	AGA	0.960	1.0000
N09_B006	AGA	0.960	1.0000
N09_B007	AGA	0.960	1.0000
N09_C001	AGA	0.960	1.0000
N09_C002	AGA	0.960	1.0000
N09_C003	AGA	0.960	1.0000
N09_C004	AGA	0.960	1.0000
N09_C005	AGA	0.960	1.0000
N09_D001	AGA	0.960	1.0000
N09_D002	AGA	0.960	1.0000
N09_D003	AGA	0.960	1.0000
N09_D004	AGA	0.960	1.0000
N09_D005	AGA	0.960	1.0000
N09_D006	AGA	0.960	1.0000
N09_D007	AGA	0.960	1.0000
N09_D008	AGA	0.960	1.0000
N09_D009	AGA	0.960	1.0000

Equipment Data

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
10_VES_060	N02-A0002	N02-B0001	Block Valve	PercentOpen
10_VES_070	N02-B0002	N02-C0001	Block Valve	PercentOpen
10_VES_080	N02-C0002	N02-D0001	Block Valve	PercentOpen
10_VES_090	N02-D0002	N02-E0001	Block Valve	PercentOpen
10_VES_140	N03-A0002	N03-B0001	Block Valve	PercentOpen
10_VES_150	N03-B0002	N03-C0001	Block Valve	PercentOpen
10_VES_160	N03-C0002	N03-D0001	Block Valve	PercentOpen
10_VES_170	N03-D0002	N03-E0001	Block Valve	PercentOpen
10_VES_190	N04-A0004	N04-B0001	Block Valve	PercentOpen
10_VES_200	N04-B0002	N04-C0001	Block Valve	PercentOpen
10_VES_280	N05-A0002	N05-B0001	Block Valve	PercentOpen
10_VES_290	N05-B0005	N05-C0001	Block Valve	PercentOpen
10_VES_300	N05-C0002	N05-D0001	Block Valve	PercentOpen
10_VES_320	N06-A0003	N06-B0001	Block Valve	PercentOpen
10_VES_330	N06-B0003	N06-C0001	Block Valve	PercentOpen
10_VES_340	N06-C0002	N06-D0001	Block Valve	PercentOpen
10_VES_350	N06-D0002	N06-E0001	Block Valve	PercentOpen
10_VES_400	N07-A0002	N07-B0001	Block Valve	PercentOpen

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
10_VES_420	N07-C0003	N07-D0001	Block Valve	PercentOpen
10_VES_430	N07-D0002	N07-E0001	Block Valve	PercentOpen
10_VES_450	N08-A0002	N08-B0001-PEVPL	Block Valve	PercentOpen
10_VES_460	N08-B0003	N08-C0001	Block Valve	PercentOpen
10_VES_470	N08-C0003	N08-D0001	Block Valve	PercentOpen
10_VES_540	N09-A0006	N09-B0001	Block Valve	PercentOpen
10_VES_550	N09-B0008	N09-C0001	Block Valve	PercentOpen
10_VES_560	N09-C0006	N09-D0001	Block Valve	PercentOpen
10_VES_580	N10-A0005	N10-B0001	Block Valve	PercentOpen
10_VES_590	N10-B0002	N10-C0001	Block Valve	PercentOpen
10_VES_610	N10-D0002	N10-E0001	Block Valve	PercentOpen
10_VES_660	N11-A0005	N11-B0001	Block Valve	PercentOpen
10_VES_670	N11-B0005	N11-C0001	Block Valve	PercentOpen
10_VES_680	N11-C0006	N11-D0001	Block Valve	PercentOpen
10_VES_690	N11-D0005	N11-E0001	Block Valve	PercentOpen
40_VES_040	S01-A0003	S01-B0001	Block Valve	PercentOpen
40_VES_050	S01-B0003	S01-C0001	Block Valve	PercentOpen
40_VES_060	S01-C0003	S01-D0001	Block Valve	PercentOpen
40_VES_070	S01-D0002	S01-E0001	Block Valve	PercentOpen
40_VES_080	S01-E0003-PEITU	S01-F0001	Block Valve	PercentOpen
40_VES_090	S01-F0003	S01-G0001	Block Valve	PercentOpen
40_VES_100	S01-G0003-PEACB	S01-H0001	Block Valve	PercentOpen
40_VES_110	S01-H0002	S01-I0001	Block Valve	PercentOpen
40_VES_120	S01-I0004-PEITP	S01-J0001	Block Valve	PercentOpen
40_VES_130	S01-J0004	S01-L0001	Block Valve	PercentOpen
40_VES_160	S01-L0003	S01-L0003-CBO1	Block Valve	PercentOpen
40_VES_140	S02-A0002	S02-B0001	Block Valve	PercentOpen
40_VES_150	S02-B0006	S02-C0001	Block Valve	PercentOpen
40_VES_200	S02-C0006	S02-D0001	Block Valve	PercentOpen
40_VES_210	S02-D0002	S02-E0001	Block Valve	PercentOpen
40_VES_220	S02-E0007	S02-F0001	Block Valve	PercentOpen
40_VES_230	S02-F0010	S02-G0001	Block Valve	PercentOpen
40_VES_240	S02-G0006	S02-H0001	Block Valve	PercentOpen
40_VES_250	S02-H0005	S02-I0001	Block Valve	PercentOpen
40_VES_260	S02-I0003	S02-J0001-PECLG	Block Valve	PercentOpen
40_VES_270	S02-J0003-PEUTEARC	S02-J0003-ARC1	Block Valve	PercentOpen
60_VES_040	S03-A0004	S03-B0001	Block Valve	PercentOpen
60_VES_050	S03-B0002	S03-C0001	Block Valve	PercentOpen
60_VES_060	S03-C0003	S03-D0001	Block Valve	PercentOpen
60_VES_070	S03-D0002	S03-E0001	Block Valve	PercentOpen
60_VES_080	S03-E0002-PEJVL	S03-F0001	Block Valve	PercentOpen
60_VES_090	S03-F0005-PEGMM	S03-G0001	Block Valve	PercentOpen
60_VES_100	S03-G0003	S03-H0001	Block Valve	PercentOpen
60_VES_110	S03-H0007-PEGSP	S03-I0001	Block Valve	PercentOpen
60_VES_120	S03-I0004	S03-J0001	Block Valve	PercentOpen
60_VES_270	S03-J0003	S03-L0001	Block Valve	PercentOpen

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
60_VES_320	S03-L0007-PETJC	S03-M0001	Block Valve	PercentOpen
60_VES_190	S04-A0006	S04-B0001	Block Valve	PercentOpen
60_VES_200	S04-B0011	S04-C0001	Block Valve	PercentOpen
60_VES_210	S04-C0006	S04-D0001	Block Valve	PercentOpen
60_VES_220	S04-D0004	S04-E0001	Block Valve	PercentOpen
60_VES_230	S04-E0008-PETBR	S04-F0001	Block Valve	PercentOpen
60_VES_240	S04-F0004	S04-G0001	Block Valve	PercentOpen
60_VES_250	S04-G0004	S04-H0001	Block Valve	PercentOpen
60_VES_290	S04-H0005-SID2	S05-A0001	Block Valve	PercentOpen
80_VES_020	S05-A0005	S05-B0001	Block Valve	PercentOpen
80_VES_030	S05-B0005	S05-C0001	Block Valve	PercentOpen
80_VES_040	S05-C0003	S05-D0001	Block Valve	PercentOpen
80_VES_050	S05-D0003	S05-E0001	Block Valve	PercentOpen
80_VES_060	S05-E0005	S05-F0001	Block Valve	PercentOpen
80_VES_070	S05-F0004-PEVZC	S05-G0001	Block Valve	PercentOpen
80_VES_080	S05-G0003	S05-H0001	Block Valve	PercentOpen
80_VES_090	S05-H0007	S05-I0001	Block Valve	PercentOpen
80_VES_100	S05-I0005	S05-J0001	Block Valve	PercentOpen
80_VES_110	S05-J0004	S05-L0001	Block Valve	PercentOpen
10_VES_050	P01-B0004	P01-C0001	Block Valve	PercentOpen
90_VES_060	P01-C0003	P01-D0001	Block Valve	PercentOpen
90_VES_070	P01-D0003	P01-E0001	Block Valve	PercentOpen
90_VES_080	P01-E0002	P01-F0001	Block Valve	PercentOpen
90_VES_090	P01-F0002	P01-G0001	Block Valve	PercentOpen
90_VES_100	P01-G0004	P01-H0001	Block Valve	PercentOpen
90_VES_110	P01-H0005	P01-I0001	Block Valve	PercentOpen
90_VES_120	P01-I0003	P01-J0001	Block Valve	PercentOpen
90_VES_130	P01-J0004	P01-L0001	Block Valve	PercentOpen
MTN	B05-C0002	N01-A0001	Block Valve	PercentOpen
10_VES_040	N01-A0002	N01-B0001-PECBA	Block Valve	PercentOpen
10_VES_210	N04-C0004	N04-D0001	Block Valve	PercentOpen
10_VES_410	N07-B0003-PEUFNTLG	N07-C0001-PEUTETLG	Block Valve	PercentOpen
10_VES_600	N10-C0007	N10-D0001-PEBSP	Block Valve	PercentOpen
90_VES_040	P01-A0003	P01-B0001-PEJGN	Block Valve	PercentOpen
60_VES_140	S03-M0004-BIG3	S04-A0001	Block Valve	PercentOpen
HUB7	N11-E0005-HUB2	N11-E0005-HUB3-PERPL	Block Valve	PercentOpen
HUB8	N11-E0005-HUB2	N11-E0005-HUB5	Block Valve	PercentOpen
ARA1	S02-J0003-PEUTEARC	S02-J0004-PERPR	Block Valve	PercentOpen
CAN1	S05-L0004-PECAN	S05-L0005-PERFP	Block Valve	PercentOpen
CAN2	S05-L0004-PECAN	S05-L0005-PEUTECAN	Block Valve	PercentOpen
HUB1	N11-E0005	N11-E0005-HUB1	Block Valve	PercentOpen
HUB2	N11-E0005	N11-E0005-HUB2	Block Valve	PercentOpen

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
HUB3	N11-E0005-HUB2	Node0784	Block Valve	PercentOpen
HUB4	N11-E0005-HUBERPLN	N11-E0005-HUB5	Block Valve	PercentOpen
HUB5	N11-E0005-HUB1	N11-E0005-HUBERPLN	Block Valve	PercentOpen
HUB6	N11-E0005-HUB3-PERPL	N11-E0005-HUB4-PEJCT	Block Valve	PercentOpen
HUB9	N11-E0005-HUB1	N11-E0005-HUB3-PERPL	Block Valve	PercentOpen
HUB10	N11-E0005	Node0784	Block Valve	PercentOpen
RES_CBA	N01-B0002	N01-B0002-CBA1	Resistance	Resistance
RES_MRD	N02-E0002	N02-E0002-MRD1	Resistance	Resistance
RES_ANT	N03-E0002	N03-E0002-ANT1	Resistance	Resistance
RES_CGR	N04-D0002-PECGR	N04-D0002-CGR1	Resistance	Resistance
RES_RRP	N05-D0002	N05-D0002-RRP1	Resistance	Resistance
RES_TLG	N06-E0002	N06-E0002-TLG1	Resistance	Resistance
RES_MIR	N07-E0002	N07-E0002-MIR1	Resistance	Resistance
RES_PEN	N08-D0004	N08-D0004-PEN1	Resistance	Resistance
RES_IAC	N09-D0010-PEIAC	N09-D0010-IAC1	Resistance	Resistance
RES_SCA	N10-E0005	N10-E0005-SCA1	Resistance	Resistance
RES_BIG	S03-M0004	S03-M0004-BIG1	Resistance	Resistance
RES_SID	S04-H0005	S04-H0005-SID1	Resistance	Resistance
RES_ARC	S02-J0003-ARC1	S02-J0003-ARC2	Resistance	Resistance
RES_PLN	Node0784	N11-E0005PLN1	Resistance	Resistance
RES_CBO	S01-L0003-CBO1	S01-L0003-CBO2	Resistance	Resistance
ERP ARC	S02-J0003-ARC4	S03-A0001	Regulator	CheckValve
				Bypass
		*		MaximumDownstreamPressure
ERP PLN	N11-E0005-HUBERPLN	P01-A0001	Regulator	CheckValve
				Bypass
		*		MaximumDownstreamPressure
COOL_CBA	N01-B0002-CBA2	N02-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_MRD	N02-E0002-MRD2	N03-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_ANT	N03-E0002-ANT2	N04-A0001	Cooler	Bypass

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_CGR	N04-D0002-CGR2	N05-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_RRP	N05-D0002-RRP2	N06-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_TLG	N06-E0002-TLG2	N07-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_MIR	N07-E0002-MIR2	N08-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_PEN	N08-D0004-PEN2	N09-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_IAC	N09-D0010-IAC2	N10-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_SCA	N10-E0005-SCA2	N11-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_BIG	S03-M0004-BIG2	S03-M0004-BIG3	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_ARC	S02-J0003-ARC3	S02-J0003-ARC4	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_PLN	N11-E0005PLN2	S01-A0001	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
COOL_CBO	S01-L0003-CBO3	S02-A0001	Cooler	Bypass
				Resistance

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
				MaximumDownstreamTemperature
				Status
COOL_SID	S03-M0004-BIG2-2	S04-H0005-SID2	Cooler	Bypass
				Resistance
				MaximumDownstreamTemperature
				Status
CBA-A	N01-B0002-CBA1	N01-B0002-CBA2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CBA-B	N01-B0002-CBA1	N01-B0002-CBA2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
MRD-A	N02-E0002-MRD1	N02-E0002-MRD2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
MRD-B	N02-E0002-MRD1	N02-E0002-MRD2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
ANT-A	N03-E0002-ANT1	N03-E0002-ANT2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
ANT-B	N03-E0002-ANT1	N03-E0002-ANT2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
CGR-A	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CGR-B	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CGR-C	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CGR-D	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
RRP-A	N05-D0002-RRP1	N05-D0002-RRP2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
RRP-B	N05-D0002-RRP1	N05-D0002-RRP2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
TLG-A	N06-E0002-TLG1	N06-E0002-TLG2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
				Status
TLG-B	N06-E0002-TLG1	N06-E0002-TLG2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
MIR-A	N07-E0002-MIR1	N07-E0002-MIR2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
MIR-B	N07-E0002-MIR1	N07-E0002-MIR2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
PEN-A	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
PEN-B	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
PEN-C	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
PEN-D	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
				AmbientTemperature
				Status
IAC-A	N09-D0010-IAC1	N09-D0010-IAC2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
IAC-B	N09-D0010-IAC1	N09-D0010-IAC2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
SCA-A	N10-E0005-SCA1	N10-E0005-SCA2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
SCA-B	N10-E0005-SCA1	N10-E0005-SCA2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
PLN-A	N11-E0005PLN1	N11-E0005PLN2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
PLN-B	N11-E0005PLN1	N11-E0005PLN2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CBO-A	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
				BankControl
				AmbientTemperature
				Status
CBO-B	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CBO-C	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
ARC_MCA	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
ARC_MCB	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
ARC_MCC	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
SID_MCA	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
SID_MCB	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
SID_MCC	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
SID_MCD	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
BIG_MCA	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
BIG_MCB	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
BIG_MCC	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status
BIG_MCD	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				BankControl
				AmbientTemperature
				Status

Valve Characteristic Data				
Valve Name	Valve Type	Fully Open CV	Valve Size	Valve CV Characteristic
			in	
10_VES_060	Block Valve	177800.0	32.000	None
10_VES_070	Block Valve	177800.0	32.000	None
10_VES_080	Block Valve	177800.0	32.000	None
10_VES_090	Block Valve	177800.0	32.000	None

Valve Characteristic Data				
Valve Name	Valve Type	Fully Open CV	Valve Size	Valve CV Characteristic
			in	
10_VES_140	Block Valve	177800.0	32.000	None
10_VES_150	Block Valve	177800.0	32.000	None
10_VES_160	Block Valve	177800.0	32.000	None
10_VES_170	Block Valve	177800.0	32.000	None
10_VES_190	Block Valve	177800.0	32.000	None
10_VES_200	Block Valve	177800.0	32.000	None
10_VES_280	Block Valve	177800.0	32.000	None
10_VES_290	Block Valve	177800.0	32.000	None
10_VES_300	Block Valve	177800.0	32.000	None
10_VES_320	Block Valve	177800.0	32.000	None
10_VES_330	Block Valve	177800.0	32.000	None
10_VES_340	Block Valve	177800.0	32.000	None
10_VES_350	Block Valve	177800.0	32.000	None
10_VES_400	Block Valve	177800.0	32.000	None
10_VES_420	Block Valve	177800.0	32.000	None
10_VES_430	Block Valve	177800.0	32.000	None
10_VES_450	Block Valve	177800.0	32.000	None
10_VES_460	Block Valve	177800.0	32.000	None
10_VES_470	Block Valve	177800.0	32.000	None
10_VES_540	Block Valve	177800.0	32.000	None
10_VES_550	Block Valve	177800.0	32.000	None
10_VES_560	Block Valve	177800.0	32.000	None
10_VES_580	Block Valve	177800.0	32.000	None
10_VES_590	Block Valve	177800.0	32.000	None
10_VES_610	Block Valve	177800.0	32.000	None
10_VES_660	Block Valve	177800.0	32.000	None
10_VES_670	Block Valve	177800.0	32.000	None
10_VES_680	Block Valve	177800.0	32.000	None
10_VES_690	Block Valve	177800.0	32.000	None
40_VES_040	Block Valve	97400.0	24.000	None
40_VES_050	Block Valve	97400.0	24.000	None
40_VES_060	Block Valve	97400.0	24.000	None

Valve Characteristic Data				
Valve Name	Valve Type	Fully Open CV	Valve Size	Valve CV Characteristic
			in	
40_VES_070	Block Valve	97400.0	24.000	None
40_VES_080	Block Valve	97400.0	24.000	None
40_VES_090	Block Valve	97400.0	24.000	None
40_VES_100	Block Valve	97400.0	24.000	None
40_VES_110	Block Valve	97400.0	24.000	None
40_VES_120	Block Valve	97400.0	24.000	None
40_VES_130	Block Valve	97400.0	24.000	None
40_VES_160	Block Valve	97400.0	24.000	None
40_VES_140	Block Valve	97400.0	24.000	None
40_VES_150	Block Valve	97400.0	24.000	None
40_VES_200	Block Valve	97400.0	24.000	None
40_VES_210	Block Valve	97400.0	24.000	None
40_VES_220	Block Valve	97400.0	24.000	None
40_VES_230	Block Valve	97400.0	24.000	None
40_VES_240	Block Valve	97400.0	24.000	None
40_VES_250	Block Valve	97400.0	24.000	None
40_VES_260	Block Valve	97400.0	24.000	None
40_VES_270	Block Valve	97400.0	24.000	None
60_VES_040	Block Valve	65250.0	20.000	None
60_VES_050	Block Valve	65250.0	20.000	None
60_VES_060	Block Valve	65250.0	20.000	None
60_VES_070	Block Valve	65250.0	20.000	None
60_VES_080	Block Valve	65250.0	20.000	None
60_VES_090	Block Valve	65250.0	20.000	None
60_VES_100	Block Valve	65250.0	20.000	None
60_VES_110	Block Valve	65250.0	20.000	None
60_VES_120	Block Valve	65250.0	20.000	None
60_VES_270	Block Valve	65250.0	20.000	None
60_VES_320	Block Valve	65250.0	20.000	None
60_VES_190	Block Valve	51350.0	18.000	None
60_VES_200	Block Valve	51350.0	18.000	None
60_VES_210	Block Valve	51350.0	18.000	None

Valve Characteristic Data				
Valve Name	Valve Type	Fully Open CV	Valve Size	Valve CV Characteristic
			in	
60_VES_220	Block Valve	51350.0	18.000	None
60_VES_230	Block Valve	51350.0	18.000	None
60_VES_240	Block Valve	51350.0	18.000	None
60_VES_250	Block Valve	51350.0	18.000	None
60_VES_290	Block Valve	51350.0	18.000	None
80_VES_020	Block Valve	39310.0	16.000	None
80_VES_030	Block Valve	39310.0	16.000	None
80_VES_040	Block Valve	39310.0	16.000	None
80_VES_050	Block Valve	39310.0	16.000	None
80_VES_060	Block Valve	39310.0	16.000	None
80_VES_070	Block Valve	39310.0	16.000	None
80_VES_080	Block Valve	39310.0	16.000	None
80_VES_090	Block Valve	39310.0	16.000	None
80_VES_100	Block Valve	39310.0	16.000	None
80_VES_110	Block Valve	39310.0	16.000	None
10_VES_050	Block Valve	97400.0	24.000	None
90_VES_060	Block Valve	97400.0	24.000	None
90_VES_070	Block Valve	97400.0	24.000	None
90_VES_080	Block Valve	97400.0	24.000	None
90_VES_090	Block Valve	97400.0	24.000	None
90_VES_100	Block Valve	97400.0	24.000	None
90_VES_110	Block Valve	97400.0	24.000	None
90_VES_120	Block Valve	97400.0	24.000	None
90_VES_130	Block Valve	97400.0	24.000	None
MTN	Block Valve	177800.0	32.000	None
10_VES_040	Block Valve	177800.0	32.000	None
10_VES_210	Block Valve	177800.0	32.000	None
10_VES_410	Block Valve	177800.0	32.000	None
10_VES_600	Block Valve	177800.0	32.000	None
90_VES_040	Block Valve	97400.0	24.000	None
60_VES_140	Block Valve	51350.0	18.000	None
HUB7	Block Valve	97400.0	24.000	None

Valve Characteristic Data				
Valve Name	Valve Type	Fully Open CV	Valve Size	Valve CV Characteristic
			in	
HUB8	Block Valve	97400.0	24.000	None
ARA1	Block Valve	97400.0	24.000	None
CAN1	Block Valve	39310.0	16.000	None
CAN2	Block Valve	39310.0	16.000	None
HUB1	Block Valve	97400.0	24.000	None
HUB2	Block Valve	97400.0	24.000	None
HUB3	Block Valve	97400.0	24.000	None
HUB4	Block Valve	97400.0	24.000	None
HUB5	Block Valve	97400.0	24.000	None
HUB6	Block Valve	97400.0	24.000	None
HUB9	Block Valve	50000.0	24.000	None
HUB10	Block Valve	50000.0	24.000	None
ERP ARC	Regulator	50000.0	24.000	None
ERP PLN	Regulator	50000.0	24.000	None

Station Data

Station/Bank Configuration Data				
Station Name	Bank Name	Up Node	Down Node	Setpoints and Constraints
C5	CBA	N01-B0002-CBA1	N01-B0002-CBA2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C6	MRD	N02-E0002-MRD1	N02-E0002-MRD2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C7	ANT	N03-E0002-ANT1	N03-E0002-ANT2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio

Station/Bank Configuration Data				
Station Name	Bank Name	Up Node	Down Node	Setpoints and Constraints
C8	CGR	N04-D0002-CGR1	N04-D0002-CGR2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C9	RRP	N05-D0002-RRP1	N05-D0002-RRP2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C10	TLG	N06-E0002-TLG1	N06-E0002-TLG2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C11	MIR	N07-E0002-MIR1	N07-E0002-MIR2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
ECOMP_PEN	PEN	N08-D0004-PEN1	N08-D0004-PEN2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C13	IAC	N09-D0010-IAC1	N09-D0010-IAC2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C14	SCA	N10-E0005-SCA1	N10-E0005-SCA2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
				Ratio
C15	ARC	S02-J0003-ARC2	S02-J0003-ARC3	CheckValve
				Bypass
				UnitControl

Station/Bank Configuration Data				
Station Name	Bank Name	Up Node	Down Node	Setpoints and Constraints
				MaximumDownstreamPressure
C-17	PLN	N11-E0005PLN1	N11-E0005PLN2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
C18	CBO	S01-L0003-CBO2	S01-L0003-CBO3	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
Station0032	SID_mod	S04-H0005-SID1	S03-M0004-BIG2-2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure
Station0033	BIG	S03-M0004-BIG1	S03-M0004-BIG2	CheckValve
				Bypass
				UnitControl
				MaximumDownstreamPressure
				MinimumUpstreamPressure

Compressor Data for Bank CBA in Station C5

Equipment Configuration Data				
Equipment Name	Up Node	Down Node	Equipment Type	Setpoints and Constraints
CBA-B	N01-B0002-CBA1	N01-B0002-CBA2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status
CBA-A	N01-B0002-CBA1	N01-B0002-CBA2	Bank Compressor	CheckValve
				Bypass
				MaximumSpeed
				MinimumSpeed
				BankControl
				AmbientTemperature
				Status

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
CBA-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_CBA	0
CBA-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_CBA	0
MRD-B	N02-E0002-MRD1	N02-E0002-MRD2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
MRD-A	N02-E0002-MRD1	N02-E0002-MRD2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
CBA-B	Centrifugal	See Curve		98.00	149.14	Disabled
CBA-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank MRD in Station C6

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
CBA-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_CBA	0
CBA-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_CBA	0
MRD-B	N02-E0002-MRD1	N02-E0002-MRD2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
MRD-A	N02-E0002-MRD1	N02-E0002-MRD2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
CBA-B	Centrifugal	See Curve		98.00	149.14	Disabled
CBA-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
MRD-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_MRD	0
MRD-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_MRD	1
ANT-B	N03-E0002-ANT1	N03-E0002-ANT2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
ANT-A	N03-E0002-ANT1	N03-E0002-ANT2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
MRD-B	Centrifugal	See Curve		98.00	149.14	Disabled
MRD-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank ANT in Station C7

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
MRD-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_MRD	0
MRD-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COM_MRD	1
ANT-B	N03-E0002-ANT1	N03-E0002-ANT2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
ANT-A	N03-E0002-ANT1	N03-E0002-ANT2	Bank Compressor	CheckValve			
				Bypass			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
MRD-B	Centrifugal	See Curve		98.00	149.14	Disabled
MRD-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
ANT-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_ANT	0
ANT-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_ANT	0
CGR-D	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CGR-C	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CGR-B	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CGR-A	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
ANT-B	Centrifugal	See Curve		98.00	149.14	Disabled
ANT-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank CGR in Station C8

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
ANT-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_ANT	0
ANT-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_ANT	0
CGR-D	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CGR-C	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CGR-B	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CGR-A	N04-D0002-CGR1	N04-D0002-CGR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
ANT-B	Centrifugal	See Curve		98.00	149.14	Disabled
ANT-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
CGR-D	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
CGR-C	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
CGR-B	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
CGR-A	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
RRP-B	N05-D0002-RRP1	N05-D0002-RRP2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
RRP-A	N05-D0002-RRP1	N05-D0002-RRP2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
CGR-D	Centrifugal	See Curve		98.00	0.00	Disabled
CGR-C	Centrifugal	See Curve		98.00	0.00	Disabled
CGR-B	Centrifugal	See Curve		98.00	0.00	Disabled
CGR-A	Centrifugal	See Curve		98.00	0.00	Disabled

Compressor Data for Bank RRP in Station C9

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
CGR-D	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
CGR-C	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
CGR-B	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
CGR-A	Centrifugal	COMP1	Linear	Linear	TAUR608	COMB_CGR	0
RRP-B	N05-D0002-RRP1	N05-D0002-RRP2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
RRP-A	N05-D0002-RRP1	N05-D0002-RRP2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
CGR-D	Centrifugal	See Curve		98.00	0.00	Disabled
CGR-C	Centrifugal	See Curve		98.00	0.00	Disabled
CGR-B	Centrifugal	See Curve		98.00	0.00	Disabled
CGR-A	Centrifugal	See Curve		98.00	0.00	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
RRP-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_RRP	0
RRP-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_RRP	0
TLG-A	N06-E0002-TLG1	N06-E0002-TLG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
TLG-B	N06-E0002-TLG1	N06-E0002-TLG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
RRP-B	Centrifugal	See Curve		98.00	149.14	Disabled
RRP-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank TLG in Station C10

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
RRP-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_RRP	0
RRP-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_RRP	0

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
TLG-A	N06-E0002-TLG1	N06-E0002-TLG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
TLG-B	N06-E0002-TLG1	N06-E0002-TLG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
RRP-B	Centrifugal	See Curve		98.00	149.14	Disabled
RRP-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
TLG-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_TLG	0
TLG-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_TLG	1
MIR-B	N07-E0002-MIR1	N07-E0002-MIR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
MIR-A	N07-E0002-MIR1	N07-E0002-MIR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
TLG-A	Centrifugal	See Curve		98.00	149.14	Disabled
TLG-B	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank MIR in Station C11

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
TLG-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_TLG	0
TLG-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_TLG	1
MIR-B	N07-E0002-MIR1	N07-E0002-MIR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
MIR-A	N07-E0002-MIR1	N07-E0002-MIR2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
TLG-A	Centrifugal	See Curve		98.00	149.14	Disabled
TLG-B	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
MIR-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_MIR	0
MIR-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_MIR	0
PEN-D	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
PEN-C	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
PEN-B	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
PEN-A	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
MIR-B	Centrifugal	See Curve		98.00	149.14	Disabled
MIR-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank PEN in Station ECOMP_PEN

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
MIR-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_MIR	0
MIR-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_MIR	0
PEN-D	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
PEN-C	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
PEN-B	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				BankControl			
				AmbientTemperature			
				Status			
PEN-A	N08-D0004-PEN1	N08-D0004-PEN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
MIR-B	Centrifugal	See Curve		98.00	149.14	Disabled
MIR-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
PEN-D	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
PEN-C	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
PEN-B	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
PEN-A	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
IAC-B	N09-D0010-IAC1	N09-D0010-IAC2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
IAC-A	N09-D0010-IAC1	N09-D0010-IAC2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
PEN-D	Centrifugal	See Curve		98.00	0.00	Disabled
PEN-C	Centrifugal	See Curve		98.00	0.00	Disabled
PEN-B	Centrifugal	See Curve		98.00	0.00	Disabled
PEN-A	Centrifugal	See Curve		98.00	0.00	Disabled

Compressor Data for Bank IAC in Station C13

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
PEN-D	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
PEN-C	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
PEN-B	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
PEN-A	Centrifugal	COMP1	Linear	Linear	TAUR612	COMB_PEN	0
IAC-B	N09-D0010-IAC1	N09-D0010-IAC2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
IAC-A	N09-D0010-IAC1	N09-D0010-IAC2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
PEN-D	Centrifugal	See Curve		98.00	0.00	Disabled
PEN-C	Centrifugal	See Curve		98.00	0.00	Disabled
PEN-B	Centrifugal	See Curve		98.00	0.00	Disabled
PEN-A	Centrifugal	See Curve		98.00	0.00	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
IAC-B	Centrifugal	COMP1	Linear	Linear	MARS100	COMB_IAC	0
IAC-A	Centrifugal	COMP1	Linear	Linear	MARS100	COMB_IAC	0
SCA-B	N10-E0005-SCA1	N10-E0005-SCA2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SCA-A	N10-E0005-SCA1	N10-E0005-SCA2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
IAC-B	Centrifugal	See Curve		98.00	149.14	Disabled
IAC-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank SCA in Station C14

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
IAC-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_IAC	0
IAC-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_IAC	0
SCA-B	N10-E0005-SCA1	N10-E0005-SCA2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SCA-A	N10-E0005-SCA1	N10-E0005-SCA2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
IAC-B	Centrifugal	See Curve		98.00	149.14	Disabled
IAC-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
SCA-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_SCA	0
SCA-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_SCA	0
ARC_MCC	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				BankControl			
				AmbientTemperature			
				Status			
ARC_MCB	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
ARC_MCA	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
SCA-B	Centrifugal	See Curve		98.00	149.14	Disabled
SCA-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank ARC in Station C15

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
SCA-B	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_SCA	0
SCA-A	Centrifugal	COMPMHI	Linear	Linear	MARS100	COMB_SCA	0
ARC_MCC	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
ARC_MCB	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
ARC_MCA	S02-J0003-ARC2	S02-J0003-ARC3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
SCA-B	Centrifugal	See Curve		98.00	149.14	Disabled
SCA-A	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
ARC_MCC	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_ARC	0
ARC_MCB	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_ARC	0
ARC_MCA	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_ARC	0
PLN-A	N11-E0005PLN1	N11-E0005PLN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
PLN-B	N11-E0005PLN1	N11-E0005PLN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
ARC_MCC	Reciprocating	80.00	0.00	98.00	0.00	Disabled
ARC_MCB	Reciprocating	80.00	0.00	98.00	0.00	Disabled
ARC_MCA	Reciprocating	80.00	0.00	98.00	0.00	Disabled

Compressor Data for Bank PLN in Station C-17

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
ARC_MCC	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_ARC	0
ARC_MCB	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_ARC	0
ARC_MCA	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_ARC	0
PLN-A	N11-E0005PLN1	N11-E0005PLN2	Bank Compressor	CheckValve			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
PLN-B	N11-E0005PLN1	N11-E0005PLN2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
ARC_MCC	Reciprocating	80.00	0.00	98.00	0.00	Disabled
ARC_MCB	Reciprocating	80.00	0.00	98.00	0.00	Disabled
ARC_MCA	Reciprocating	80.00	0.00	98.00	0.00	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
PLN-A	Centrifugal	COMPMHI-2	Linear	Linear	MARS100	COMB_PLN	0
PLN-B	Centrifugal	COMPMHI-2	Linear	Linear	MARS100	COMB_PLN	1
CBO-C	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CBO-B	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CBO-A	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
PLN-A	Centrifugal	See Curve		98.00	149.14	Disabled
PLN-B	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Data for Bank CBO in Station C18

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
PLN-A	Centrifugal	COMP1-2	Linear	Linear	MARS100	COMB_PLN	0
PLN-B	Centrifugal	COMP1-2	Linear	Linear	MARS100	COMB_PLN	1
CBO-C	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CBO-B	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
CBO-A	S01-L0003-CBO2	S01-L0003-CBO3	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				MinimumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
PLN-A	Centrifugal	See Curve		98.00	149.14	Disabled
PLN-B	Centrifugal	See Curve		98.00	149.14	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
CBO-C	Centrifugal	COMP1-2	Linear	Linear	TAUR612	COMB_CBO	0
CBO-B	Centrifugal	COMP1-2	Linear	Linear	TAUR612	COMB_CBO	0
CBO-A	Centrifugal	COMP1-2	Linear	Linear	TAUR612	COMB_CBO	0

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
SID_MCC	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SID_MCB	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SID_MCA	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SID_MCD	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
CBO-C	Centrifugal	See Curve		98.00	0.00	Disabled
CBO-B	Centrifugal	See Curve		98.00	0.00	Disabled
CBO-A	Centrifugal	See Curve		98.00	0.00	Disabled

Compressor Data for Bank SID_mod in Station Station0032

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
CBO-C	Centrifugal	COMP1-2	Linear	Linear	TAUR612	COMB_CBO	0
CBO-B	Centrifugal	COMP1-2	Linear	Linear	TAUR612	COMB_CBO	0
CBO-A	Centrifugal	COMP1-2	Linear	Linear	TAUR612	COMB_CBO	0
SID_MCC	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
SID_MCB	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SID_MCA	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
SID_MCD	S04-H0005-SID1	S03-M0004-BIG2-2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
CBO-C	Centrifugal	See Curve		98.00	0.00	Disabled
CBO-B	Centrifugal	See Curve		98.00	0.00	Disabled
CBO-A	Centrifugal	See Curve		98.00	0.00	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
SID_MCC	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	0
SID_MCB	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	0
SID_MCA	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	0
SID_MCD	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	1
BIG_MCB	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
BIG_MCA	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
BIG_MCD	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
BIG_MCC	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
SID_MCC	Reciprocating	80.00	0.00	95.00	0.00	Disabled
SID_MCB	Reciprocating	80.00	0.00	95.00	0.00	Disabled
SID_MCA	Reciprocating	80.00	0.00	95.00	0.00	Disabled
SID_MCD	Reciprocating	80.00	0.00	95.00	0.00	Disabled

Compressor Data for Bank BIG in Station Station0033

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
SID_MCC	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	0
SID_MCB	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	0
SID_MCA	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	0
SID_MCD	Reciprocating	SID	Linear	Linear	MOTOR_Cat_SID	COMB_SID	1
BIG_MCB	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
BIG_MCA	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			
BIG_MCD	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
				Status			
BIG_MCC	S03-M0004-BIG1	S03-M0004-BIG2	Bank Compressor	CheckValve			
				Bypass			
				MaximumSpeed			
				BankControl			
				AmbientTemperature			
				Status			

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
SID_MCC	Reciprocating	80.00	0.00	95.00	0.00	Disabled
SID_MCB	Reciprocating	80.00	0.00	95.00	0.00	Disabled
SID_MCA	Reciprocating	80.00	0.00	95.00	0.00	Disabled
SID_MCD	Reciprocating	80.00	0.00	95.00	0.00	Disabled

Compressor Definition Data							
Compressor Name	Compressor Type	Compressor Performance Type	Compressor Startup Curve	Compressor Shutdown Curve	Driver Name	Fuel Xreg Name	Priority Index
BIG_MCB	Reciprocating	Cil_BIG	Linear	Linear	Driver0004	COMB_BIG	0
BIG_MCA	Reciprocating	Cil_BIG	Linear	Linear	Driver0004	COMB_BIG	0
BIG_MCD	Reciprocating	CIL_ARC1	Linear	Linear	DRV15	COMB_BIG	1
BIG_MCC	Reciprocating	Cil_BIG	Linear	Linear	Driver0004	COMB_BIG	1

Compressor Configuration Data						
Compressor Name	Compressor Type	Adiabatic Efficiency	Valve Loss	Mechanical Efficiency	Auxiliary Load	Recycling
		percent	N.m/kg	percent	kW	
BIG_MCB	Reciprocating	80.00	0.00	95.00	0.00	Disabled
BIG_MCA	Reciprocating	80.00	0.00	95.00	0.00	Disabled
BIG_MCD	Reciprocating	80.00	0.00	98.00	0.00	Disabled
BIG_MCC	Reciprocating	80.00	0.00	95.00	0.00	Disabled

External Regulator Data

External Regulator Configuration Data			
Xreg Name	Node	Xreg Type	Setpoints and Constraints
RGD	B05-C0002	Supply	CheckValve
			MaximumPressure
			MaximumFlow
EMED GASCAR_E	N11-E0005-HUB5	Supply	FlowReversal
			MaximumFlow
			FlowReversal
TGS	S03-D0002	Supply	MaximumPressure

External Regulator Configuration Data			
Xreg Name	Node	Xreg Type	Setpoints and Constraints
			MaximumFlow
PE CBA	N01-B0001-PECBA	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE CGR	N04-D0002-PECGR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
UTE TLG	N07-C0001-PEUTETLG	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE BLC	N08-C0002-PEBLC	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE BSP	N10-D0001-PEBSP	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE SCA	N11-A0003-PESCA	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE RCL	N11-C0004-PERCL	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE LMR	N11-D0002-PELMR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE AMR	N11-E0002-PEAMR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE RPL	N11-E0005-HUB3-PERPL	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE SMR	S01-B0002-PESMR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE CMP	S01-C0002-PECMP	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE ITU	S01-E0003-PEITU	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE ACB	S01-G0003-PEACB	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE CIC ARC	S02-J0002-PECICARC	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE RPR	S02-J0004-PERPR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE JVL	S03-E0002-PEJVL	Delivery	CheckValve

External Regulator Configuration Data			
Xreg Name	Node	Xreg Type	Setpoints and Constraints
			MinimumPressure
			MaximumFlow
PE GMM	S03-F0005-PEGMM	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE GSP	S03-H0007-PEGSP	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE BRQ	S03-J0002-PEBRQ	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE TJC	S03-L0007-PETJC	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE SPA	S04-A0002-PESPA	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE TBR	S04-E0008-PETBR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE URS	S04-H0002-PEURS	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE NVZ	S05-A0004-PENVZ	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE VZC	S05-F0004-PEVZC	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE ARA	S05-I0004-PEARA	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE CCH	S05-L0003-PECCH	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE RFP	S05-L0005-PERFP	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE CAN	S05-L0004-PECAN	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE JGN	P01-B0001-PEJGN	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE ITA	P01-D0003	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE GRM	P01-I0003	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
EMED GRM	P01-L0002-EMEDGRM	Delivery	CheckValve

External Regulator Configuration Data			
Xreg Name	Node	Xreg Type	Setpoints and Constraints
			MinimumPressure
			MaximumFlow
PE IND	S01-E0002-PEIND	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
UTE ARC	S02-J0003-PEUTEARC	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
UTE CAN	S05-L0005-PEUTECAN	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE PFZ	S01-F0002-PEPFZ	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE CLG	S02-J0001-PECLG	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE GMN	S01-A0002-PEGMN	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
EMED GASCAR_S	N11-E0005-HUB2	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE IGR	S05-H0006-PEIGR	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
EMED JCT	N11-E0005-HUB4-PEJCT	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE GUA	N09-B0005-PEGUA	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE VLP	N08-B0001-PEVPL	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE IAC	N09-D0010-PEIAC	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE IBT	N10-A0004-PEIBT	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
UFN TLG	N07-B0003-PEUFNTLG	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE ITP	S01-I0004-PEITP	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
PE ITR	N11-B0001	Delivery	CheckValve
			MinimumPressure

External Regulator Configuration Data			
Xreg Name	Node	Xreg Type	Setpoints and Constraints
			MaximumFlow
PE_SID	S04-H0005-SID1	Delivery	CheckValve
			MinimumPressure
			MaximumFlow
COM_CBA	N01-B0002-CBA1	Fuel Delivery	MaximumFlow
COM_MRD	N02-E0002-MRD1	Fuel Delivery	MaximumFlow
COMB_ANT	N03-E0002-ANT1	Fuel Delivery	MaximumFlow
COMB_CGR	N04-D0002-CGR1	Fuel Delivery	MaximumFlow
COMB_RRP	N05-D0002-RRP1	Fuel Delivery	MaximumFlow
COMB_TLG	N06-E0002-TLG1	Fuel Delivery	MaximumFlow
COMB_MIR	N07-E0002-MIR1	Fuel Delivery	MaximumFlow
COMB_PEN	N08-D0004-PEN1	Fuel Delivery	MaximumFlow
COMB_IAC	N09-D0010-IAC1	Fuel Delivery	MaximumFlow
COMB_SCA	N10-E0005-SCA1	Fuel Delivery	MaximumFlow
COMB_ARC	S02-J0003-ARC2	Fuel Delivery	MaximumFlow
COMB_PLN	N11-E0005PLN1	Fuel Delivery	MaximumFlow
COMB_CBO	S01-L0003-CBO2	Fuel Delivery	MaximumFlow
COMB_SID	S04-H0005-SID1	Fuel Delivery	MaximumFlow
COMB_BIG	S03-M0004-BIG1	Fuel Delivery	MaximumFlow

Node Data

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
N01-A0001	151.60	Pipes: N01-A001
		Equips: MTN
N01-B0001-PECBA	115.80	Pipes: N01-B001
		Equips: 10_VES_040
		Xregs: PE CBA
N01-B0002	126.20	Pipes: N01-B001
		Equips: RES_CBA
N02-A0001	126.20	Pipes: N02-A001
		Equips: COOL_CBA
N02-A0002	86.80	Pipes: N02-A001
		Equips: 10_VES_060
N02-B0001	86.80	Pipes: N02-B001
		Equips: 10_VES_060
N02-B0002	91.90	Pipes: N02-B001

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Equips: 10_VES_070
N02-C0001	91.90	Pipes: N02-C001
		Equips: 10_VES_070
N02-C0002	94.60	Pipes: N02-C001
		Equips: 10_VES_080
N02-D0001	94.60	Pipes: N02-D001
		Equips: 10_VES_080
N02-D0002	109.80	Pipes: N02-D001
		Equips: 10_VES_090
N02-E0001	109.80	Pipes: N02-E001
		Equips: 10_VES_090
N02-E0002	110.10	Pipes: N02-E001
		Equips: RES_MRD
N03-A0001	110.10	Pipes: N03-A001
		Equips: COOL_MRD
N03-A0002	119.70	Pipes: N03-A001
		Equips: 10_VES_140
N03-B0001	119.70	Pipes: N03-B001
		Equips: 10_VES_140
N03-B0002	159.20	Pipes: N03-B001
		Equips: 10_VES_150
N03-C0001	159.20	Pipes: N03-C001
		Equips: 10_VES_150
N03-C0002	252.80	Pipes: N03-C001
		Equips: 10_VES_160
N03-D0001	252.80	Pipes: N03-D001
		Equips: 10_VES_160
N03-D0002	181.50	Pipes: N03-D001
		Equips: 10_VES_170
N03-E0001	181.50	Pipes: N03-E001
		Equips: 10_VES_170
N03-E0002	175.00	Pipes: N03-E001
		Equips: RES_ANT
N04-A0001	175.00	Pipes: N04-A001
		Equips: COOL_ANT
N04-A0002	260.00	Pipes: N04-A001 N04-A002
N04-A0003	170.00	Pipes: N04-A002 N04-A003
N04-A0004	218.80	Pipes: N04-A003
		Equips: 10_VES_190
N04-B0001	218.80	Pipes: N04-B001
		Equips: 10_VES_190
N04-B0002	293.30	Pipes: N04-B001
		Equips: 10_VES_200
N04-C0001	293.30	Pipes: N04-C001
		Equips: 10_VES_200
N04-C0002	197.00	Pipes: N04-C001 N04-C002
N04-C0003	312.10	Pipes: N04-C002 N04-C003
N04-C0004	246.70	Pipes: N04-C003
		Equips: 10_VES_210
N04-D0002-PECGR	497.20	Pipes: N04-D001
		Equips: RES_CGR

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Xregs: PE CGR
N05-A0001	497.20	Pipes: N05-A001
		Equips: COOL_CGR
N05-A0002	586.50	Pipes: N05-A001
		Equips: 10_VES_280
N05-B0001	586.50	Pipes: N05-B001
		Equips: 10_VES_280
N05-B0002	493.80	Pipes: N05-B001 N05-B002
N05-B0003	603.30	Pipes: N05-B002 N05-B003
N05-B0004	470.70	Pipes: N05-B003 N05-B004
N05-B0005	595.60	Pipes: N05-B004
		Equips: 10_VES_290
N05-C0001	595.60	Pipes: N05-C001
		Equips: 10_VES_290
N05-C0002	489.60	Pipes: N05-C001
		Equips: 10_VES_300
N05-D0001	489.60	Pipes: N05-D001
		Equips: 10_VES_300
N05-D0002	383.10	Pipes: N05-D001
		Equips: RES_RRP
N06-A0001	383.10	Pipes: N06-A001
		Equips: COOL_RRP
N06-A0002	302.30	Pipes: N06-A001 N06-A002
N06-A0003	484.50	Pipes: N06-A002
		Equips: 10_VES_320
N06-B0001	484.50	Pipes: N06-B001
		Equips: 10_VES_320
N06-B0002	344.20	Pipes: N06-B001 N06-B002
N06-B0003	396.60	Pipes: N06-B002
		Equips: 10_VES_330
N06-C0001	396.60	Pipes: N06-C001
		Equips: 10_VES_330
N06-C0002	325.30	Pipes: N06-C001
		Equips: 10_VES_340
N06-D0001	325.30	Pipes: N06-D001
		Equips: 10_VES_340
N06-D0002	389.50	Pipes: N06-D001
		Equips: 10_VES_350
N06-E0001	389.50	Pipes: N06-E001
		Equips: 10_VES_350
N06-E0002	321.80	Pipes: N06-E001
		Equips: RES_TLG
N07-A0001	321.80	Pipes: N07-A001
		Equips: COOL_TLG
N07-A0002	298.10	Pipes: N07-A001
		Equips: 10_VES_400
N07-B0001	298.10	Pipes: N07-B001
		Equips: 10_VES_400
N07-B0002	382.90	Pipes: N07-B001 N07-B002
N07-C0001-PEUTETLG	344.30	Pipes: N07-C001
		Equips: 10_VES_410

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Xregs: UTE TLG
N07-C0002	256.80	Pipes: N07-C001 N07-C002
N07-C0003	314.20	Pipes: N07-C002
		Equips: 10_VES_420
N07-D0001	314.20	Pipes: N07-D001
		Equips: 10_VES_420
N07-D0002	392.90	Pipes: N07-D001
		Equips: 10_VES_430
N07-E0001	392.90	Pipes: N07-E001
		Equips: 10_VES_430
N07-E0002	419.20	Pipes: N07-E001
		Equips: RES_MIR
N08-A0001	419.20	Pipes: N08-A001
		Equips: COOL_MIR
N08-A0002	390.20	Pipes: N08-A001
		Equips: 10_VES_450
N08-B0001-PEVPL	390.20	Pipes: N08-B001
		Equips: 10_VES_450
		Xregs: PE VLP
N08-B0002	382.20	Pipes: N08-B001 N08-B002
N08-B0003	475.60	Pipes: N08-B002
		Equips: 10_VES_460
N08-C0001	475.60	Pipes: N08-C001
		Equips: 10_VES_460
N08-C0002-PEBLC	383.70	Pipes: N08-C001 N08-C002
		Xregs: PE BLC
N08-C0003	465.70	Pipes: N08-C002
		Equips: 10_VES_470
N08-D0001	465.70	Pipes: N08-D001
		Equips: 10_VES_470
N08-D0002	390.90	Pipes: N08-D001 N08-D002
N08-D0003	428.70	Pipes: N08-D002 N08-D003
N08-D0004	453.70	Pipes: N08-D003
		Equips: RES_PEN
N09-A0001	453.70	Pipes: N09_A001
		Equips: COOL_PEN
N09-A0006	412.10	Pipes: N09_A005
		Equips: 10_VES_540
N09-C0001	449.50	Pipes: N09_C001
		Equips: 10_VES_550
N09-C0006	442.20	Pipes: N09_C005
		Equips: 10_VES_560
N09-D0001	442.20	Pipes: N09_D001
		Equips: 10_VES_560
N09-D0010-PEIAC	444.80	Pipes: N09_D009
		Equips: RES_IAC
		Xregs: PE IAC
N10-A0001	444.80	Pipes: N10-A001
		Equips: COOL_IAC
N10-A0002	378.50	Pipes: N10-A001 N10-A002
N10-A0003	496.00	Pipes: N10-A002 N10-A003

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
N10-A0005	457.90	Pipes: N10-A004
		Equips: 10_VES_580
N10-B0001	457.90	Pipes: N10-B001
		Equips: 10_VES_580
N10-B0002	443.50	Pipes: N10-B001
		Equips: 10_VES_590
N10-C0001	443.50	Pipes: N10-C001
		Equips: 10_VES_590
N10-C0002	418.10	Pipes: N10-C001 N10-C002
N10-C0003	576.30	Pipes: N10-C002 N10-C003
N10-C0004	588.80	Pipes: N10-C003 N10-C004
N10-C0005	620.50	Pipes: N10-C004 N10-C005
N10-C0006	490.90	Pipes: N10-C005 N10-C006
N10-D0001-PEBSP	525.40	Pipes: N10-D001
		Equips: 10_VES_600
		Xregs: PE BSP
N10-D0002	752.60	Pipes: N10-D001
		Equips: 10_VES_610
N10-E0001	752.60	Pipes: N10-E001
		Equips: 10_VES_610
N10-E0002	653.00	Pipes: N10-E001 N10-E002
N10-E0003	766.30	Pipes: N10-E002 N10-E003
N10-E0004	591.10	Pipes: N10-E003 N10-E004
N10-E0005	769.50	Pipes: N10-E004
		Equips: RES_SCA
N11-A0001	769.50	Pipes: N11-A001
		Equips: COOL_SCA
N11-A0002	855.50	Pipes: N11-A001 N11-A002
N11-A0003-PESCA	835.50	Pipes: N11-A002 N11-A003
		Xregs: PE SCA
N11-A0004	699.00	Pipes: N11-A003 N11-A004
N11-A0005	813.80	Pipes: N11-A004
		Equips: 10_VES_660
N11-B0001	813.80	Pipes: N11-B001
		Equips: 10_VES_660
		Xregs: PE ITR
N11-B0002	884.90	Pipes: N11-B001 N11-B002
N11-B0003	616.30	Pipes: N11-B002 N11-B003
N11-B0004	582.30	Pipes: N11-B003 N11-B004
N11-B0005	626.10	Pipes: N11-B004
		Equips: 10_VES_670
N11-C0001	626.10	Pipes: N11-C001
		Equips: 10_VES_670
N11-C0002	581.80	Pipes: N11-C001 N11-C002
N11-C0003	613.40	Pipes: N11-C002 N11-C003
N11-C0004-PERCL	547.90	Pipes: N11-C003 N11-C004
		Xregs: PE RCL
N11-C0005	758.20	Pipes: N11-C004 N11-C005
N11-C0006	634.50	Pipes: N11-C005
		Equips: 10_VES_680
N11-D0001	634.50	Pipes: N11-D001

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Equips: 10_VES_680
N11-D0002-PELMR	602.80	Pipes: N11-D001 N11-D002
		Xregs: PE LMR
N11-D0003	524.40	Pipes: N11-D002 N11-D003
N11-D0004	639.40	Pipes: N11-D003 N11-D004
N11-D0005	593.30	Pipes: N11-D004
		Equips: 10_VES_690
N11-E0001	593.30	Pipes: N11-E001
		Equips: 10_VES_690
N11-E0002-PEAMR	562.40	Pipes: N11-E001 N11-E002
		Xregs: PE AMR
N11-E0003	502.20	Pipes: N11-E002 N11-E003
N11-E0004	599.10	Pipes: N11-E003 N11-E004
N11-E0005	596.90	Pipes: N11-E004
		Equips: HUB1 HUB2 HUB10
S01-A0003	585.80	Pipes: S01-A002
		Equips: 40_VES_040
S01-B0001	585.80	Pipes: S01-B001
		Equips: 40_VES_040
S01-B0002-PESMR	587.40	Pipes: S01-B001 S01-B002
		Xregs: PE SMR
S01-B0003	628.10	Pipes: S01-B002
		Equips: 40_VES_050
S01-C0001	628.10	Pipes: S01-C001
		Equips: 40_VES_050
S01-C0002-PECMP	610.10	Pipes: S01-C001 S01-C002
		Xregs: PE CMP
S01-C0003	560.70	Pipes: S01-C002
		Equips: 40_VES_060
S01-D0001	560.70	Pipes: S01-D001
		Equips: 40_VES_060
S01-D0002	637.70	Pipes: S01-D001
		Equips: 40_VES_070
S01-E0002-PEIND	613.00	Pipes: S01-E002 S01-E001
		Xregs: PE IND
S01-E0003-PEITU	539.80	Pipes: S01-E002
		Equips: 40_VES_080
		Xregs: PE ITU
S01-F0001	539.80	Pipes: S01-F001
		Equips: 40_VES_080
S01-F0003	611.90	Pipes: S01-F002
		Equips: 40_VES_090
S01-G0001	611.90	Pipes: S01-G001
		Equips: 40_VES_090
S01-G0002	550.40	Pipes: S01-G001 S01-G002
S01-G0003-PEACB	636.60	Pipes: S01-G002
		Equips: 40_VES_100
		Xregs: PE ACB
S01-H0001	636.60	Pipes: S01-H001
		Equips: 40_VES_100
S01-H0002	580.20	Pipes: S01-H001

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Equips: 40_VES_110
S01-I0001	580.20	Pipes: S01-I001
		Equips: 40_VES_110
S01-I0002	571.40	Pipes: S01-I001 S01-I002
S01-I0003	703.10	Pipes: S01-I002 S01-I003
S01-I0004-PEITP	634.80	Pipes: S01-I003
		Equips: 40_VES_120
		Xregs: PE ITP
S01-J0001	634.80	Pipes: S01-J001
		Equips: 40_VES_120
S01-J0002	619.60	Pipes: S01-J001 S01-J002
S01-J0003	769.70	Pipes: S01-J002 S01-J003
S01-J0004	703.10	Pipes: S01-J003
		Equips: 40_VES_130
S01-L0001	703.10	Pipes: S01-K001
		Equips: 40_VES_130
S01-L0002	587.60	Pipes: S01-K001 S01-K002
S01-L0003	673.30	Pipes: S01-K002
		Equips: 40_VES_160
S01-L0003-CBO1	673.30	Equips: 40_VES_160 RES_CBO
S02-A0002	853.80	Pipes: S02-A001
		Equips: 40_VES_140
S02-B0001	853.80	Pipes: S02-B001
		Equips: 40_VES_140
S02-B0002	774.10	Pipes: S02-B001 S02-B002
S02-B0003	914.10	Pipes: S02-B002 S02-B003
S02-B0004	737.00	Pipes: S02-B003 S02-B004
S02-B0005	938.10	Pipes: S02-B004 S02-B005
S02-B0006	892.70	Pipes: S02-B005
		Equips: 40_VES_150
S02-C0001	892.70	Pipes: S02-C001
		Equips: 40_VES_150
S02-C0002	772.30	Pipes: S02-C001 S02-C002
S02-C0003	970.60	Pipes: S02-C002 S02-C003
S02-C0004	892.10	Pipes: S02-C003 S02-C004
S02-C0005	1039.60	Pipes: S02-C004 S02-C005
S02-C0006	963.30	Pipes: S02-C005
		Equips: 40_VES_200
S02-D0001	963.30	Pipes: S02-D001
		Equips: 40_VES_200
S02-D0002	842.30	Pipes: S02-D001
		Equips: 40_VES_210
S02-E0002	459.20	Pipes: S02-E002 S02-E001
S02-E0003	664.10	Pipes: S02-E002 S02-E003
S02-E0004	571.40	Pipes: S02-E003 S02-E004
S02-E0005	825.00	Pipes: S02-E004 S02-E005
S02-E0006	591.00	Pipes: S02-E005 S02-E006
S02-E0007	696.90	Pipes: S02-E006
		Equips: 40_VES_220
S02-F0001	696.90	Pipes: S02-F001
		Equips: 40_VES_220

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
S02-F0010	600.40	Pipes: S02-F009
		Equips: 40_VES_230
S02-G0001	600.40	Pipes: S02-G001
		Equips: 40_VES_230
S02-G0002	332.90	Pipes: S02-G001 S02-G002
S02-G0003	669.20	Pipes: S02-G002 S02-G003
S02-G0004	486.60	Pipes: S02-G003 S02-G004
S02-G0005	667.10	Pipes: S02-G004 S02-G005
S02-G0006	831.00	Pipes: S02-G005
		Equips: 40_VES_240
S02-H0001	831.00	Pipes: S02-H001
		Equips: 40_VES_240
S02-H0002	569.80	Pipes: S02-H001 S02-H002
S02-H0003	906.50	Pipes: S02-H002 S02-H003
S02-H0004	749.00	Pipes: S02-H003 S02-H004
S02-H0005	868.70	Pipes: S02-H004
		Equips: 40_VES_250
S02-I0001	868.70	Pipes: S02-I001
		Equips: 40_VES_250
S02-I0002	1016.40	Pipes: S02-I001 S02-I002
S02-I0003	967.40	Pipes: S02-I002
		Equips: 40_VES_260
S02-J0001-PECLG	967.40	Pipes: S02-J001
		Equips: 40_VES_260
		Xregs: PE CLG
S02-J0002-PECICARC	916.10	Pipes: S02-J001 S02-J002
		Xregs: PE CIC ARC
S02-J0003-PEUTEARC	907.20	Pipes: S02-J002
		Equips: 40_VES_270 ARA1
		Xregs: UTE ARC
S03-A0001	907.20	Pipes: S03-A001
		Equips: ERP ARC
S03-A0002	916.80	Pipes: S03-A001 S03-A002
S03-A0003	863.10	Pipes: S03-A002 S03-A003
S03-A0004	893.80	Pipes: S03-A003
		Equips: 60_VES_040
S03-B0001	893.80	Pipes: S03-B001
		Equips: 60_VES_040
S03-B0002	905.70	Pipes: S03-B001
		Equips: 60_VES_050
S03-C0001	905.70	Pipes: S03-C001
		Equips: 60_VES_050
S03-C0002	904.30	Pipes: S03-C001 S03-C002
S03-C0003	809.50	Pipes: S03-C002
		Equips: 60_VES_060
S03-D0001	809.50	Pipes: S03-D001
		Equips: 60_VES_060
S03-D0002	16.60	Pipes: S03-D001
		Equips: 60_VES_070
		Xregs: TGS
S03-E0001	16.60	Pipes: S03-E001

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Equips: 60_VES_070
S03-E0002-PEJVL	10.40	Pipes: S03-E001
		Equips: 60_VES_080
		Xregs: PE JVL
S03-F0001	10.40	Pipes: S03-F001
		Equips: 60_VES_080
S03-F0002	66.90	Pipes: S03-F001 S03-F002
S03-F0003	0.90	Pipes: S03-F002 S03-F003
S03-F0004	39.80	Pipes: S03-F003 S03-F004
S03-F0005-PEGMM	11.20	Pipes: S03-F004
		Equips: 60_VES_090
		Xregs: PE GMM
S03-G0001	11.20	Pipes: S03-G001
		Equips: 60_VES_090
S03-G0002	325.60	Pipes: S03-G001 S03-G002
S03-G0003	173.00	Pipes: S03-G002
		Equips: 60_VES_100
S03-H0001	173.00	Pipes: S03-H001
		Equips: 60_VES_100
S03-H0002	269.10	Pipes: S03-H001 S03-H002
S03-H0003	69.10	Pipes: S03-H002 S03-H003
S03-H0004	451.10	Pipes: S03-H003 S03-H004
S03-H0005	182.10	Pipes: S03-H004 S03-H005
S03-H0006	385.00	Pipes: S03-H005 S03-H006
S03-H0007-PEGSP	7.20	Pipes: S03-H006
		Equips: 60_VES_110
		Xregs: PE GSP
S03-I0001	7.20	Pipes: S03-I001
		Equips: 60_VES_110
S03-I0002	0.00	Pipes: S03-I001 S03-I002
S03-I0003	207.30	Pipes: S03-I002 S03-I003
S03-I0004	46.40	Pipes: S03-I003
		Equips: 60_VES_120
S03-J0001	46.40	Pipes: S03-J001
		Equips: 60_VES_120
S03-J0002-PEBRQ	9.90	Pipes: S03-J001 S03-J002
		Xregs: PE BRQ
S03-J0003	32.20	Pipes: S03-J002
		Equips: 60_VES_270
S03-L0001	32.20	Pipes: S03-L001
		Equips: 60_VES_270
S03-L0002	443.60	Pipes: S03-L001 S03-L002
S03-L0003	50.60	Pipes: S03-L002 S03-L003
S03-L0004	333.20	Pipes: S03-L003 S03-L004
S03-L0005	59.10	Pipes: S03-L004 S03-L005
S03-L0006	156.50	Pipes: S03-L005 S03-L006
S03-L0007-PETJC	0.50	Pipes: S03-L006
		Equips: 60_VES_320
		Xregs: PE TJC
S03-M0001	0.50	Pipes: S03-M001
		Equips: 60_VES_320

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
S03-M0002	174.20	Pipes: S03-M001 S03-M002
S03-M0003	1.60	Pipes: S03-M002 S03-M003
S04-A0001	14.70	Pipes: S04-A001
		Equips: 60_VES_140
S04-A0002-PESPA	208.20	Pipes: S04-A001 S04-A002
		Xregs: PE SPA
S04-A0003	320.00	Pipes: S04-A002 S04-A003
S04-A0004	13.10	Pipes: S04-A003 S04-A004
S04-A0005	473.40	Pipes: S04-A004 S04-A005
S04-A0006	133.60	Pipes: S04-A005
		Equips: 60_VES_190
S04-B0001	133.60	Pipes: S04-B001
		Equips: 60_VES_190
S04-B0002	578.20	Pipes: S04-B001 S04-B002
S04-B0003	476.60	Pipes: S04-B002 S04-B003
S04-B0004	723.90	Pipes: S04-B003 S04-B004
S04-B0005	299.30	Pipes: S04-B004 S04-B005
S04-B0006	646.30	Pipes: S04-B005 S04-B006
S04-B0007	428.90	Pipes: S04-B006 S04-B007
S04-B0008	666.70	Pipes: S04-B007 S04-B008
S04-B0009	472.50	Pipes: S04-B008 S04-B009
S04-B0010	765.60	Pipes: S04-B009 S04-B010
S04-B0011	677.90	Pipes: S04-B010
		Equips: 60_VES_200
S04-C0001	677.90	Pipes: S04-C001
		Equips: 60_VES_200
S04-C0002	481.30	Pipes: S04-C001 S04-C002
S04-C0003	635.60	Pipes: S04-C002 S04-C003
S04-C0004	390.80	Pipes: S04-C003 S04-C004
S04-C0005	546.10	Pipes: S04-C004 S04-C005
S04-C0006	222.40	Pipes: S04-C005
		Equips: 60_VES_210
S04-D0001	222.40	Pipes: S04-D001
		Equips: 60_VES_210
S04-D0002	75.90	Pipes: S04-D001 S04-D002
S04-D0003	253.30	Pipes: S04-D002 S04-D003
S04-D0004	37.60	Pipes: S04-D003
		Equips: 60_VES_220
S04-E0001	37.60	Pipes: S04-E001
		Equips: 60_VES_220
S04-E0002	224.80	Pipes: S04-E001 S04-E002
S04-E0003	15.40	Pipes: S04-E002 S04-E003
S04-E0004	195.70	Pipes: S04-E003 S04-E004
S04-E0005	3.40	Pipes: S04-E004 S04-E005
S04-E0006	217.40	Pipes: S04-E005 S04-E006
S04-E0007	7.90	Pipes: S04-E006 S04-E007
S04-E0008-PETBR	14.60	Pipes: S04-E007
		Equips: 60_VES_230
		Xregs: PE TBR
S04-F0001	14.60	Pipes: S04-F001
		Equips: 60_VES_230

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
S04-F0002	417.40	Pipes: S04-F001 S04-F002
S04-F0003	274.30	Pipes: S04-F002 S04-F003
S04-F0004	433.50	Pipes: S04-F003
		Equips: 60_VES_240
S04-G0001	433.50	Pipes: S04-G001
		Equips: 60_VES_240
S04-G0002	217.20	Pipes: S04-G001 S04-G002
S04-G0003	466.00	Pipes: S04-G002 S04-G003
S04-G0004	33.00	Pipes: S04-G003
		Equips: 60_VES_250
S04-H0001	33.00	Pipes: S04-H001
		Equips: 60_VES_250
S04-H0002-PEURS	120.20	Pipes: S04-H001 S04-H002
		Xregs: PE URS
S04-H0003	307.80	Pipes: S04-H002 S04-H003
S04-H0004	166.00	Pipes: S04-H003 S04-H004
S04-H0005	256.80	Pipes: S04-H004
		Equips: RES_SID
S05-A0002	178.60	Pipes: S05-A001 S05-A002
S05-A0003	306.70	Pipes: S05-A002 S05-A003
S05-A0004-PENVZ	51.90	Pipes: S05-A003 S05-A004
		Xregs: PE NVZ
S05-A0005	25.80	Pipes: S05-A004
		Equips: 80_VES_020
S05-B0001	25.80	Pipes: S05-B001
		Equips: 80_VES_020
S05-B0002	211.10	Pipes: S05-B001 S05-B002
S05-B0003	91.80	Pipes: S05-B002 S05-B003
S05-B0004	335.00	Pipes: S05-B003 S05-B004
S05-B0005	122.60	Pipes: S05-B004
		Equips: 80_VES_030
S05-C0001	122.60	Pipes: S05-C001
		Equips: 80_VES_030
S05-C0002	232.90	Pipes: S05-C001 S05-C002
S05-C0003	1226.40	Pipes: S05-C002
		Equips: 80_VES_040
S05-D0001	1226.40	Pipes: S05-D001
		Equips: 80_VES_040
S05-D0002	911.70	Pipes: S05-D001 S05-D002
S05-D0003	1068.10	Pipes: S05-D002
		Equips: 80_VES_050
S05-E0001	1068.10	Pipes: S05-E001
		Equips: 80_VES_050
S05-E0002	984.50	Pipes: S05-E001 S05-E002
S05-E0003	1025.50	Pipes: S05-E002 S05-E003
S05-E0004	877.50	Pipes: S05-E003 S05-E004
S05-E0005	1004.70	Pipes: S05-E004
		Equips: 80_VES_060
S05-F0001	1004.70	Pipes: S05-F001
		Equips: 80_VES_060
S05-F0002	969.70	Pipes: S05-F001 S05-F002

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
S05-F0003	825.90	Pipes: S05-F002 S05-F003
S05-F0004-PEVZC	967.90	Pipes: S05-F003
		Equips: 80_VES_070
		Xregs: PE VZC
S05-G0001	967.90	Pipes: S05-G001
		Equips: 80_VES_070
S05-G0002	796.60	Pipes: S05-G001 S05-G002
S05-G0003	893.00	Pipes: S05-G002
		Equips: 80_VES_080
S05-H0001	893.00	Pipes: S05-H001
		Equips: 80_VES_080
S05-H0002	145.60	Pipes: S05-H001 S05-H002
S05-H0003	472.80	Pipes: S05-H002 S05-H003
S05-H0004	126.60	Pipes: S05-H003 S05-H004
S05-H0005	454.80	Pipes: S05-H004 S05-H005
S05-H0006-PEIGR	31.40	Pipes: S05-H005 S05-H006
		Xregs: PE IGR
S05-H0007	35.30	Pipes: S05-H006
		Equips: 80_VES_090
S05-I0001	35.30	Pipes: S05-I001
		Equips: 80_VES_090
S05-I0002	121.40	Pipes: S05-I001 S05-I002
S05-I0003	5.20	Pipes: S05-I002 S05-I003
S05-I0004-PEARA	25.80	Pipes: S05-I003 S05-I004
		Xregs: PE ARA
S05-I0005	13.50	Pipes: S05-I004
		Equips: 80_VES_100
S05-J0001	13.50	Pipes: S05-J001
		Equips: 80_VES_100
S05-J0002	172.30	Pipes: S05-J001 S05-J002
S05-J0003	40.30	Pipes: S05-J002 S05-J003
S05-J0004	174.30	Pipes: S05-J003
		Equips: 80_VES_110
S05-L0001	174.30	Pipes: S05-L001
		Equips: 80_VES_110
S05-L0002	206.80	Pipes: S05-L001 S05-L002
S05-L0003-PECCH	20.80	Pipes: S05-L002 S05-L003
		Xregs: PE CCH
S05-L0004-PECAN	22.40	Pipes: S05-L003
		Equips: CAN1 CAN2
		Xregs: PE CAN
P01-A0001	596.90	Pipes: P01-A001
		Equips: ERP PLN
P01-A0002	551.10	Pipes: P01-A001 P01-A002
P01-B0001-PEJGN	617.60	Pipes: P01-B001
		Equips: 90_VES_040
		Xregs: PE JGN
P01-B0002	578.10	Pipes: P01-B001 P01-B002
P01-B0003	676.90	Pipes: P01-B002 P01-B003
P01-B0004	732.80	Pipes: P01-B003
		Equips: 10_VES_050

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
P01-C0001	732.80	Pipes: P01-C001
		Equips: 10_VES_050
P01-C0002	632.40	Pipes: P01-C001 P01-C002
P01-C0003	719.90	Pipes: P01-C002
		Equips: 90_VES_060
P01-D0001	719.90	Pipes: P01-D001
		Equips: 90_VES_060
P01-D0002-PEITA	699.70	Pipes: P01-D001 P01-D002
P01-D0003	823.80	Pipes: P01-D002
		Equips: 90_VES_070
		Xregs: PE ITA
P01-E0001	823.80	Pipes: P01-E001
		Equips: 90_VES_070
P01-E0002	790.10	Pipes: P01-E001
		Equips: 90_VES_080
P01-F0002	765.80	Pipes: P01-F001
		Equips: 90_VES_090
P01-G0001	765.80	Pipes: P01-G001
		Equips: 90_VES_090
P01-G0002	765.50	Pipes: P01-G001 P01-G002
P01-G0003	1007.00	Pipes: P01-G002 P01-G003
P01-G0004	876.20	Pipes: P01-G003
		Equips: 90_VES_100
P01-H0001	876.20	Pipes: P01-H001
		Equips: 90_VES_100
P01-H0002	816.60	Pipes: P01-H001 P01-H002
P01-H0003	993.40	Pipes: P01-H002 P01-H003
P01-H0004	647.80	Pipes: P01-H003 P01-H004
P01-H0005	782.00	Pipes: P01-H004
		Equips: 90_VES_110
P01-I0001	782.00	Pipes: P01-I001
		Equips: 90_VES_110
P01-I0002-PEGRM	796.40	Pipes: P01-I001 P01-I002
P01-I0003	681.10	Pipes: P01-I002
		Equips: 90_VES_120
		Xregs: PE GRM
P01-J0002	716.30	Pipes: P01-J001 P01-J002
P01-J0003	578.60	Pipes: P01-J002 P01-J003
P01-J0004	604.60	Pipes: P01-J003
		Equips: 90_VES_130
P01-L0001	604.60	Pipes: P01-L001
		Equips: 90_VES_130
P01-L0002-EMEDGRM	679.50	Pipes: P01-L001
		Xregs: EMED GRM
N01-B0002-CBA1	126.20	Equips: RES_CBA
		Xregs: COM_CBA
		Stations: C5
		Banks: CBA
N02-E0002-MRD1	110.10	Equips: RES_MRD
		Xregs: COM_MRD
		Stations: C6

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Banks: MRD
N03-E0002-ANT1	175.00	Equips: RES_ANT
		Xregs: COMB_ANT
		Stations: C7
		Banks: ANT
N04-D0002-CGR1	497.20	Equips: RES_CGR
		Xregs: COMB_CGR
		Stations: C8
		Banks: CGR
N05-D0002-RRP1	383.10	Equips: RES_RRP
		Xregs: COMB_RRP
		Stations: C9
		Banks: RRP
N06-E0002-TLG1	321.80	Equips: RES_TLG
		Xregs: COMB_TLG
		Stations: C10
		Banks: TLG
N07-E0002-MIR1	419.20	Equips: RES_MIR
		Xregs: COMB_MIR
		Stations: C11
		Banks: MIR
N08-D0004-PEN1	453.70	Equips: RES_PEN
		Xregs: COMB_PEN
		Stations: ECOMP_PEN
		Banks: PEN
N09-D0010-IAC1	444.80	Equips: RES_IAC
		Xregs: COMB_IAC
		Stations: C13
		Banks: IAC
N10-E0005-SCA1	769.50	Equips: RES_SCA
		Xregs: COMB_SCA
		Stations: C14
		Banks: SCA
N01-B0002-CBA2	126.20	Equips: COOL_CBA
		Stations: C5
		Banks: CBA
N02-E0002-MRD2	110.10	Equips: COOL_MRD
		Stations: C6
		Banks: MRD
N03-E0002-ANT2	175.00	Equips: COOL_ANT
		Stations: C7
		Banks: ANT
N04-D0002-CGR2	497.20	Equips: COOL_CGR
		Stations: C8
		Banks: CGR
N05-D0002-RRP2	383.10	Equips: COOL_RRP
		Stations: C9
		Banks: RRP
N06-E0002-TLG2	321.80	Equips: COOL_TLG
		Stations: C10
		Banks: TLG

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
N07-E0002-MIR2	419.20	Equips: COOL_MIR
		Stations: C11
		Banks: MIR
N08-D0004-PEN2	453.70	Equips: COOL_PEN
		Stations: ECOMP_PEN
		Banks: PEN
N09-D0010-IAC2	444.80	Equips: COOL_IAC
		Stations: C13
		Banks: IAC
N10-E0005-SCA2	769.50	Equips: COOL_SCA
		Stations: C14
		Banks: SCA
S02-J0003-ARC1	907.20	Equips: 40_VES_270 RES_ARC
S02-J0003-ARC4	907.20	Equips: ERP ARC COOL_ARC
B05-C0002	151.60	Equips: MTN
		Xregs: RGD
N01-A0002	115.80	Pipes: N01-A001
		Equips: 10_VES_040
N04-D0001	246.70	Pipes: N04-D001
		Equips: 10_VES_210
N07-B0003-PEUFNTLG	344.30	Pipes: N07-B002
		Equips: 10_VES_410
		Xregs: UFN TLG
N10-C0007	525.40	Pipes: N10-C006
		Equips: 10_VES_600
P01-A0003	617.60	Pipes: P01-A002
		Equips: 90_VES_040
S01-F0002-PEPFZ	571.80	Pipes: S01-F001 S01-F002
		Xregs: PE PFZ
P01-F0001	790.10	Pipes: P01-F001
		Equips: 90_VES_080
S05-A0001	256.80	Pipes: S05-A001
		Equips: 60_VES_290
S01-A0002-PEGMN	590.20	Pipes: S01-A002 S01-A001
		Xregs: PE GMN
S03-M0004	14.70	Pipes: S03-M003
		Equips: RES_BIG
S03-M0004-BIG3	14.70	Equips: 60_VES_140 COOL_BIG
S04-H0005-SID1	256.80	Equips: RES_SID
		Xregs: PE SID COMB_SID
		Stations: Station0032
		Banks: SID_mod
S04-H0005-SID2	256.80	Equips: 60_VES_290 COOL_SID
S02-J0003-ARC2	907.20	Equips: RES_ARC
		Xregs: COMB_ARC
		Stations: C15
		Banks: ARC
S02-J0003-ARC3	907.20	Equips: COOL_ARC
		Stations: C15
		Banks: ARC
S03-M0004-BIG1	14.70	Equips: RES_BIG

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
		Xregs: COMB_BIG
		Stations: Station0033
		Banks: BIG
S03-M0004-BIG2	14.70	Equips: COOL_BIG
		Stations: Station0033
		Banks: BIG
P01-J0001	681.10	Pipes: P01-J001
		Equips: 90_VES_120
S01-A0001	596.90	Pipes: S01-A001
		Equips: COOL_PLN
N11-E0005PLN1	596.90	Equips: RES_PLN
		Xregs: COMB_PLN
		Stations: C-17
		Banks: PLN
S02-A0001	673.30	Pipes: S02-A001
		Equips: COOL_CBO
S01-L0003-CBO2	673.30	Equips: RES_CBO
		Xregs: COMB_CBO
		Stations: C18
		Banks: CBO
S01-L0003-CBO3	673.30	Equips: COOL_CBO
		Stations: C18
		Banks: CBO
S02-J0004-PERPR	907.20	Equips: ARA1
		Xregs: PE RPR
S05-L0005-PERFP	22.40	Equips: CAN1
		Xregs: PE RFP
S05-L0005-PEUTECAN	22.40	Equips: CAN2
		Xregs: UTE CAN
N11-E0005-HUB1	596.90	Equips: HUB1 HUB5 HUB9
N11-E0005PLN2	596.90	Equips: COOL_PLN
		Stations: C-17
		Banks: PLN
N11-E0005-HUB5	596.90	Equips: HUB8 HUB4
		Xregs: EMED GASCAR_E
N11-E0005-HUB3-PERPL	596.90	Equips: HUB7 HUB6 HUB9
		Xregs: PE RPL
N11-E0005-HUB2	596.90	Equips: HUB7 HUB8 HUB2 HUB3
		Xregs: EMED GASCAR_S
N11-E0005-HUBERPLN	596.90	Equips: HUB4 HUB5 ERP PLN
N09-B0005-PEGUA	446.20	Pipes: N09_B004 N09_B005
		Xregs: PE GUA
N10-A0004-PEIBT	428.70	Pipes: N10-A003 N10-A004
		Xregs: PE IBT
N11-E0005-HUB4-PEJCT	596.90	Equips: HUB6
		Xregs: EMED JCT
S01-E0001	637.70	Pipes: S01-E001
		Equips: 40_VES_070
S02-E0001	842.30	Pipes: S02-E001
		Equips: 40_VES_210
S02-F0002	555.10	Pipes: S02-F001 S02-F002

Node Configuration Data		
Node Name	Elevation	Connected Devices
	m	
S02-F0003	911.20	Pipes: S02-F002 S02-F003
S02-F0004	574.20	Pipes: S02-F003 S02-F004
S02-F0005	723.40	Pipes: S02-F004 S02-F005
S02-F0006	541.30	Pipes: S02-F005 S02-F006
S02-F0007	726.60	Pipes: S02-F006 S02-F007
S02-F0008	642.10	Pipes: S02-F008 S02-F007
S02-F0009	388.50	Pipes: S02-F008 S02-F009
N09-A0002	394.00	Pipes: N09_A001 N09_A002
N09-A0003	511.70	Pipes: N09_A002 N09_A003
N09-A0004	393.50	Pipes: N09_A003 N09_A004
N09-A0005	439.10	Pipes: N09_A004 N09_A005
N09-B0001	412.10	Pipes: N09_B001
		Equips: 10_VES_540
N09-B0002	387.00	Pipes: N09_B001 N09_B002
N09-B0003	464.10	Pipes: N09_B002 N09_B003
N09-B0004	391.50	Pipes: N09_B003 N09_B004
N09-B0006	394.60	Pipes: N09_B005 N09_B006
N09-B0007	489.50	Pipes: N09_B006 N09_B007
N09-B0008	449.50	Pipes: N09_B007
		Equips: 10_VES_550
N09-C0002	380.80	Pipes: N09_C001 N09_C002
N09-C0003	520.00	Pipes: N09_C002 N09_C003
N09-C0004	426.50	Pipes: N09_C003 N09_C004
N09-C0005	518.40	Pipes: N09_C004 N09_C005
N09-D0002	402.80	Pipes: N09_D001 N09_D002
N09-D0003	480.70	Pipes: N09_D002 N09_D003
N09-D0004	376.90	Pipes: N09_D003 N09_D004
N09-D0005	462.00	Pipes: N09_D004 N09_D005
N09-D0006	393.50	Pipes: N09_D005 N09_D006
N09-D0007	490.30	Pipes: N09_D006 N09_D007
N09-D0008	391.30	Pipes: N09_D007 N09_D008
N09-D0009	481.40	Pipes: N09_D008 N09_D009
S03-M0004-BIG2-2	256.80	Equips: COOL_SID
		Stations: Station0032
		Banks: SID_mod
Node0784	596.90	Equips: HUB3 HUB10 RES_PLN

Surveys Report

Survey Report

Surveys

0

PIG Paths Report

PIG Path Report

PIG Paths 0

Alarm Report

System Default Alarm Value Data

Alarm	Value
HIHI Pressure Limit	Disabled
HIGH Pressure Limit	Disabled
LOW Pressure Limit	Disabled
LOLO Pressure Limit	Disabled
Rate of Change Pressure Limit	Disabled
Pressure Deadband	Disabled
HIHI Flow Limit	Disabled
HIGH Flow Limit	Disabled
LOW Flow Limit	Disabled
LOLO Flow Limit	Disabled
Rate of Change Flow Limit	Disabled
HIHI Energy Flow Limit	Disabled
HIGH Energy Flow Limit	Disabled
LOW Energy Flow Limit	Disabled
LOLO Energy Flow Limit	Disabled
Rate of Change Energy Flow Limit	Disabled
HIHI Inventory Limit	Disabled
HIGH Inventory Limit	Disabled
LOW Inventory Limit	Disabled
LOLO Inventory Limit	Disabled
Rate of Change Inventory Limit	Disabled
HIHI Velocity Limit	Disabled
HIGH Velocity Limit	Disabled
LOW Velocity Limit	Disabled
LOLO Velocity Limit	Disabled
Rate of Change Velocity Limit	Disabled

Totalized Flow Report

External Regulator Totalized Flow Report

Xreg Name	Period	Offset
	hours	hours
RGD	24.000	0.000
EMED GASCAR_E	24.000	0.000
TGS	24.000	0.000
PE CBA	24.000	0.000
PE CGR	24.000	0.000
UTE TLG	24.000	0.000

External Regulator Totalized Flow Report		
Xreg Name	Period	Offset
	hours	hours
PE BLC	24.000	0.000
PE BSP	24.000	0.000
PE SCA	24.000	0.000
PE RCL	24.000	0.000
PE LMR	24.000	0.000
PE AMR	24.000	0.000
PE RPL	24.000	0.000
PE SMR	24.000	0.000
PE CMP	24.000	0.000
PE ITU	24.000	0.000
PE ACB	24.000	0.000
PE CIC ARC	24.000	0.000
PE RPR	24.000	0.000
PE JVL	24.000	0.000
PE GMM	24.000	0.000
PE GSP	24.000	0.000
PE BRQ	24.000	0.000
PE TJC	24.000	0.000
PE SPA	24.000	0.000
PE TBR	24.000	0.000
PE URS	24.000	0.000
PE NVZ	24.000	0.000
PE VZC	24.000	0.000
PE ARA	24.000	0.000
PE CCH	24.000	0.000
PE RFP	24.000	0.000
PE CAN	24.000	0.000
PE JGN	24.000	0.000
PE ITA	24.000	0.000
PE GRM	24.000	0.000
EMED GRM	24.000	0.000
PE IND	24.000	0.000
UTE ARC	24.000	0.000
UTE CAN	24.000	0.000
PE PFZ	24.000	0.000
PE CLG	24.000	0.000
PE GMN	24.000	0.000
EMED GASCAR_S	24.000	0.000
PE IGR	24.000	0.000
EMED JCT	24.000	0.000
PE GUA	24.000	0.000
PE VLP	24.000	0.000
PE IAC	24.000	0.000
PE IBT	24.000	0.000
UFN TLG	24.000	0.000
PE ITP	24.000	0.000
PE ITR	24.000	0.000
PE SID	24.000	0.000
COM_CBA	24.000	0.000
COM_MRD	24.000	0.000
COMB_ANT	24.000	0.000

External Regulator Totalized Flow Report		
Xreg Name	Period	Offset
	hours	hours
COMB_CGR	24.000	0.000
COMB_RRP	24.000	0.000
COMB_TLG	24.000	0.000
COMB_MIR	24.000	0.000
COMB_PEN	24.000	0.000
COMB_IAC	24.000	0.000
COMB_SCA	24.000	0.000
COMB_ARC	24.000	0.000
COMB_PLN	24.000	0.000
COMB_CBO	24.000	0.000
COMB_SID	24.000	0.000
COMB_BIG	24.000	0.000

Equipment Totalized Flow Report		
Equipment Name	Period	Offset
	hours	hours
10_VES_060	24.000	0.000
10_VES_070	24.000	0.000
10_VES_080	24.000	0.000
10_VES_090	24.000	0.000
10_VES_140	24.000	0.000
10_VES_150	24.000	0.000
10_VES_160	24.000	0.000
10_VES_170	24.000	0.000
10_VES_190	24.000	0.000
10_VES_200	24.000	0.000
10_VES_280	24.000	0.000
10_VES_290	24.000	0.000
10_VES_300	24.000	0.000
10_VES_320	24.000	0.000
10_VES_330	24.000	0.000
10_VES_340	24.000	0.000
10_VES_350	24.000	0.000
10_VES_400	24.000	0.000
10_VES_420	24.000	0.000
10_VES_430	24.000	0.000
10_VES_450	24.000	0.000
10_VES_460	24.000	0.000
10_VES_470	24.000	0.000
10_VES_540	24.000	0.000
10_VES_550	24.000	0.000
10_VES_560	24.000	0.000
10_VES_580	24.000	0.000
10_VES_590	24.000	0.000
10_VES_610	24.000	0.000
10_VES_660	24.000	0.000
10_VES_670	24.000	0.000
10_VES_680	24.000	0.000
10_VES_690	24.000	0.000
40_VES_040	24.000	0.000
40_VES_050	24.000	0.000

Equipment Totalized Flow Report		
Equipment Name	Period	Offset
	hours	hours
40_VES_060	24.000	0.000
40_VES_070	24.000	0.000
40_VES_080	24.000	0.000
40_VES_090	24.000	0.000
40_VES_100	24.000	0.000
40_VES_110	24.000	0.000
40_VES_120	24.000	0.000
40_VES_130	24.000	0.000
40_VES_160	24.000	0.000
40_VES_140	24.000	0.000
40_VES_150	24.000	0.000
40_VES_200	24.000	0.000
40_VES_210	24.000	0.000
40_VES_220	24.000	0.000
40_VES_230	24.000	0.000
40_VES_240	24.000	0.000
40_VES_250	24.000	0.000
40_VES_260	24.000	0.000
40_VES_270	24.000	0.000
60_VES_040	24.000	0.000
60_VES_050	24.000	0.000
60_VES_060	24.000	0.000
60_VES_070	24.000	0.000
60_VES_080	24.000	0.000
60_VES_090	24.000	0.000
60_VES_100	24.000	0.000
60_VES_110	24.000	0.000
60_VES_120	24.000	0.000
60_VES_270	24.000	0.000
60_VES_320	24.000	0.000
60_VES_190	24.000	0.000
60_VES_200	24.000	0.000
60_VES_210	24.000	0.000
60_VES_220	24.000	0.000
60_VES_230	24.000	0.000
60_VES_240	24.000	0.000
60_VES_250	24.000	0.000
60_VES_290	24.000	0.000
80_VES_020	24.000	0.000
80_VES_030	24.000	0.000
80_VES_040	24.000	0.000
80_VES_050	24.000	0.000
80_VES_060	24.000	0.000
80_VES_070	24.000	0.000
80_VES_080	24.000	0.000
80_VES_090	24.000	0.000
80_VES_100	24.000	0.000
80_VES_110	24.000	0.000
10_VES_050	24.000	0.000
90_VES_060	24.000	0.000
90_VES_070	24.000	0.000

Equipment Totalized Flow Report		
Equipment Name	Period	Offset
	hours	hours
90_VES_080	24.000	0.000
90_VES_090	24.000	0.000
90_VES_100	24.000	0.000
90_VES_110	24.000	0.000
90_VES_120	24.000	0.000
90_VES_130	24.000	0.000
MTN	24.000	0.000
10_VES_040	24.000	0.000
10_VES_210	24.000	0.000
10_VES_410	24.000	0.000
10_VES_600	24.000	0.000
90_VES_040	24.000	0.000
60_VES_140	24.000	0.000
HUB7	24.000	0.000
HUB8	24.000	0.000
ARA1	24.000	0.000
CAN1	24.000	0.000
CAN2	24.000	0.000
HUB1	24.000	0.000
HUB2	24.000	0.000
HUB3	24.000	0.000
HUB4	24.000	0.000
HUB5	24.000	0.000
HUB6	24.000	0.000
HUB9	24.000	0.000
HUB10	24.000	0.000
RES_CBA	24.000	0.000
RES_MRD	24.000	0.000
RES_ANT	24.000	0.000
RES_CGR	24.000	0.000
RES_RRP	24.000	0.000
RES_TLG	24.000	0.000
RES_MIR	24.000	0.000
RES_PEN	24.000	0.000
RES_IAC	24.000	0.000
RES_SCA	24.000	0.000
RES_BIG	24.000	0.000
RES_SID	24.000	0.000
RES_ARC	24.000	0.000
RES_PLN	24.000	0.000
RES_CBO	24.000	0.000
ERP ARC	24.000	0.000
ERP PLN	24.000	0.000
COOL_CBA	24.000	0.000
COOL_MRD	24.000	0.000
COOL_ANT	24.000	0.000
COOL_CGR	24.000	0.000
COOL_RRP	24.000	0.000
COOL_TLG	24.000	0.000
COOL_MIR	24.000	0.000
COOL_PEN	24.000	0.000

Equipment Totalized Flow Report		
Equipment Name	Period	Offset
	hours	hours
COOL_IAC	24.000	0.000
COOL_SCA	24.000	0.000
COOL_BIG	24.000	0.000
COOL_ARC	24.000	0.000
COOL_PLN	24.000	0.000
COOL_CBO	24.000	0.000
COOL_SID	24.000	0.000
CBA-A	24.000	0.000
CBA-B	24.000	0.000
MRD-A	24.000	0.000
MRD-B	24.000	0.000
ANT-A	24.000	0.000
ANT-B	24.000	0.000
CGR-A	24.000	0.000
CGR-B	24.000	0.000
CGR-C	24.000	0.000
CGR-D	24.000	0.000
RRP-A	24.000	0.000
RRP-B	24.000	0.000
TLG-A	24.000	0.000
TLG-B	24.000	0.000
MIR-A	24.000	0.000
MIR-B	24.000	0.000
PEN-A	24.000	0.000
PEN-B	24.000	0.000
PEN-C	24.000	0.000
PEN-D	24.000	0.000
IAC-A	24.000	0.000
IAC-B	24.000	0.000
SCA-A	24.000	0.000
SCA-B	24.000	0.000
PLN-A	24.000	0.000
PLN-B	24.000	0.000
CBO-A	24.000	0.000
CBO-B	24.000	0.000
CBO-C	24.000	0.000
ARC_MCA	24.000	0.000
ARC_MCB	24.000	0.000
ARC_MCC	24.000	0.000
SID_MCA	24.000	0.000
SID_MCB	24.000	0.000
SID_MCC	24.000	0.000
SID_MCD	24.000	0.000
BIG_MCA	24.000	0.000
BIG_MCB	24.000	0.000
BIG_MCC	24.000	0.000
BIG_MCD	24.000	0.000

Bank Totalized Flow Report		
Bank Name	Period	Offset
	hours	hours
CBA	24.000	0.000
MRD	24.000	0.000
ANT	24.000	0.000
CGR	24.000	0.000
RRP	24.000	0.000
TLG	24.000	0.000
MIR	24.000	0.000
PEN	24.000	0.000
IAC	24.000	0.000
SCA	24.000	0.000
ARC	24.000	0.000
PLN	24.000	0.000
CBO	24.000	0.000
SID_mod	24.000	0.000
BIG	24.000	0.000

Initial Modes/Setpoints/Constraints Report

External Regulator Data					
Xreg Name	Xreg Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
RGD	Supply	MaximumPressure	MaximumPressure	85.0000	kg/cm2g
			MaximumFlow	-40000.0000	kSm3/d
EMED GASCAR_E	Supply	MaximumFlow	MaximumFlow	-3000.0000	kSm3/d
TGS	Supply	MaximumFlow	MaximumPressure	72.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE CBA	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE CGR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
UTE TLG	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	3905.0000	kSm3/d
PE BLC	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE BSP	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	510.0000	kSm3/d
PE SCA	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	990.0000	kSm3/d
PE RCL	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE LMR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	221.5000	kSm3/d
PE AMR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	1800.0000	kSm3/d
PE RPL	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	3000.0000	kSm3/d
PE SMR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g

External Regulator Data					
Xreg Name	Xreg Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
			MaximumFlow	0.0000	kSm3/d
PE CMP	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	917.5000	kSm3/d
PE ITU	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE ACB	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE CIC ARC	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE RPR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	2570.5000	kSm3/d
PE JVL	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE GMM	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE GSP	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	655.5000	kSm3/d
PE BRQ	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	255.0000	kSm3/d
PE TJC	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	432.5000	kSm3/d
PE SPA	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE TBR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE URS	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE NVZ	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	432.5000	kSm3/d
PE VZC	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE ARA	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE CCH	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE RFP	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE CAN	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g
			MaximumFlow	2409.0000	kSm3/d
PE JGN	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	92.0000	kSm3/d
PE ITA	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	1800.0000	kSm3/d
PE GRM	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	1800.0000	kSm3/d
EMED GRM	Delivery	MaximumFlow	MinimumPressure	45.0000	kg/cm2g
			MaximumFlow	5500.0000	kSm3/d
PE IND	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	432.5000	kSm3/d
UTE ARC	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	2500.0000	kSm3/d
UTE CAN	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g

External Regulator Data					
Xreg Name	Xreg Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
			MaximumFlow	0.0000	kSm3/d
PE PFZ	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE CLG	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE GMN	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
EMED GASCAR_S	Delivery	MaximumFlow	MinimumPressure	55.0000	kg/cm2g
			MaximumFlow	500.0000	kSm3/d
PE IGR	Delivery	MaximumFlow	MinimumPressure	24.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
EMED JCT	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	500.0000	kSm3/d
PE GUA	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE VLP	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE IAC	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE IBT	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
UFN TLG	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE ITP	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	557.0000	kSm3/d
PE ITR	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	0.0000	kSm3/d
PE SID	Delivery	MaximumFlow	MinimumPressure	35.0000	kg/cm2g
			MaximumFlow	1036.5000	kSm3/d
COM_CBA	Fuel Delivery	MaximumFlow			
COM_MRD	Fuel Delivery	MaximumFlow			
COMB_ANT	Fuel Delivery	MaximumFlow			
COMB_CGR	Fuel Delivery	MaximumFlow			
COMB_RRP	Fuel Delivery	MaximumFlow			
COMB_TLG	Fuel Delivery	MaximumFlow			
COMB_MIR	Fuel Delivery	MaximumFlow			
COMB_PEN	Fuel Delivery	MaximumFlow			
COMB_IAC	Fuel Delivery	MaximumFlow			
COMB_SCA	Fuel Delivery	MaximumFlow			
COMB_ARC	Fuel Delivery	MaximumFlow			
COMB_PLN	Fuel Delivery	MaximumFlow			
COMB_CBO	Fuel Delivery	MaximumFlow			
COMB_SID	Fuel Delivery	MaximumFlow			

External Regulator Data					
Xreg Name	Xreg Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
COMB_BIG	Fuel Delivery	MaximumFlow			

Equipment Data					
Equipment Name	Equipment Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
10_VES_060	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_070	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_080	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_090	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_140	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_150	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_160	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_170	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_190	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_200	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_280	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_290	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_300	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_320	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_330	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_340	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_350	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_400	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_420	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_430	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_450	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_460	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_470	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_540	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_550	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_560	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_580	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_590	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_610	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_660	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_670	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_680	Block Valve	PercentOpen	PercentOpen	100.0000	
10_VES_690	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_040	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_050	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_060	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_070	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_080	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_090	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_100	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_110	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_120	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_130	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_160	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_140	Block Valve	PercentOpen	PercentOpen	100.0000	
40_VES_150	Block Valve	PercentOpen	PercentOpen	100.0000	

Equipment Data					
Equipment Name	Equipment Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
60_VES_140	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB7	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB8	Block Valve	PercentOpen	PercentOpen	100.0000	
ARA1	Block Valve	PercentOpen	PercentOpen	100.0000	
CAN1	Block Valve	PercentOpen	PercentOpen	100.0000	
CAN2	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB1	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB2	Block Valve	PercentOpen	PercentOpen	0.0000	
HUB3	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB4	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB5	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB6	Block Valve	PercentOpen	PercentOpen	100.0000	
HUB9	Block Valve	PercentOpen	PercentOpen	0.0000	
HUB10	Block Valve	PercentOpen	PercentOpen	100.0000	
RES_CBA	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_MRD	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_ANT	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_CGR	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_RRP	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_TLG	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_MIR	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_PEN	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_IAC	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_SCA	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_BIG	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_SID	Resistance	Resistance	Resistance	0.0000	bar2/(kM3/h)2
RES_ARC	Resistance	Resistance	Resistance	0.0015	bar2/(kM3/h)2
RES_PLN	Resistance	Resistance	Resistance	0.0003	bar2/(kM3/h)2
RES_CBO	Resistance	Resistance	Resistance	0.0002	bar2/(kM3/h)2
ERP ARC	Regulator	MaximumDownstreamPressure	MaximumDownstreamPressure	74.0000	kg/cm2g
ERP PLN	Regulator	MaximumDownstreamPressure	MaximumDownstreamPressure	75.0000	kg/cm2g
COOL_CBA	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_MRD	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_ANT	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_CGR	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_RRP	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_TLG	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_MIR	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	

Equipment Data					
Equipment Name	Equipment Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
COOL_PEN	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_IAC	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_SCA	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_BIG	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_ARC	Cooler	Resistance	Resistance	0.0015	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_PLN	Cooler	Resistance	Resistance	0.0002	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_CBO	Cooler	Resistance	Resistance	0.0002	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
COOL_SID	Cooler	Resistance	Resistance	0.0000	bar2/(kM3/h)2
			MaximumDownstreamTemperature	48.0000	Deg C
			Status	On	
CBA-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	27.0000	Deg C
			Status	LockedOn	
CBA-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	27.0000	Deg C
			Status	AutoOn	
MRD-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	27.0000	Deg C
			Status	LockedOn	
MRD-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	27.0000	Deg C
			Status	AutoOn	
ANT-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
ANT-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	

Equipment Data					
Equipment Name	Equipment Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
CGR-A	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
CGR-B	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
CGR-C	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
CGR-D	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
RRP-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
RRP-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
TLG-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
TLG-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
MIR-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
MIR-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
PEN-A	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
PEN-B	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM

Equipment Data					
Equipment Name	Equipment Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
PEN-C	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
PEN-D	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
IAC-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
IAC-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
SCA-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	LockedOn	
SCA-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	24.0000	Deg C
			Status	AutoOn	
PLN-A	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	21.0000	Deg C
			Status	LockedOn	
PLN-B	Bank Compressor	BankControl	MaximumSpeed	9250.0000	RPM
			MinimumSpeed	4900.0000	RPM
			AmbientTemperature	21.0000	Deg C
			Status	LockedOn	
CBO-A	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	18.0000	Deg C
			Status	LockedOn	
CBO-B	Bank Compressor	BankControl	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM
			AmbientTemperature	18.0000	Deg C
			Status	LockedOn	
CBO-C	Bank Compressor	Bypass	MaximumSpeed	13608.0000	RPM
			MinimumSpeed	7500.0000	RPM

Equipment Data					
Equipment Name	Equipment Type	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
			AmbientTemperature	18.0000	Deg C
			Status	Unavailable	
ARC_MCA	Bank Compressor	BankControl	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	18.0000	Deg C
			Status	LockedOn	
ARC_MCB	Bank Compressor	BankControl	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	18.0000	Deg C
			Status	LockedOn	
ARC_MCC	Bank Compressor	BankControl	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	18.0000	Deg C
			Status	LockedOn	
SID_MCA	Bank Compressor	BankControl	MaximumSpeed	1200.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	LockedOn	
SID_MCB	Bank Compressor	BankControl	MaximumSpeed	1200.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	LockedOn	
SID_MCC	Bank Compressor	BankControl	MaximumSpeed	1200.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	AutoOn	
SID_MCD	Bank Compressor	Bypass	MaximumSpeed	1200.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	Unavailable	
BIG_MCA	Bank Compressor	Bypass	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	Unavailable	
BIG_MCB	Bank Compressor	BankControl	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	LockedOn	
BIG_MCC	Bank Compressor	BankControl	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	LockedOn	
BIG_MCD	Bank Compressor	BankControl	MaximumSpeed	1000.0000	RPM
			AmbientTemperature	15.0000	Deg C
			Status	LockedOn	

Bank Data					
Bank Name	Station Name	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
CBA	C5	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
MRD	C6	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	

Bank Data					
Bank Name	Station Name	Initial Mode	Setpoint/Constraint Type	Setpoint/Constraint Value	Unit
ANT	C7	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
CGR	C8	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
RRP	C9	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
TLG	C10	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
MIR	C11	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
PEN	ECOMP_PEN	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
IAC	C13	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
SCA	C14	MaximumDownstreamPressure	MaximumDownstreamPressure	100.0000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
			Ratio	1.8000	
ARC	C15	MaximumDownstreamPressure	MaximumDownstreamPressure	75.0000	kg/cm2g
PLN	C-17	MaximumDownstreamPressure	MaximumDownstreamPressure	99.8000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
CBO	C18	MaximumDownstreamPressure	MaximumDownstreamPressure	99.8000	kg/cm2g
			MinimumUpstreamPressure	55.0000	kg/cm2g
SID_mod	Station0032	MaximumDownstreamPressure	MaximumDownstreamPressure	74.5000	kg/cm2g
			MinimumUpstreamPressure	45.0000	kg/cm2g
BIG	Station0033	MaximumDownstreamPressure	MaximumDownstreamPressure	74.5000	kg/cm2g
			MinimumUpstreamPressure	45.0000	kg/cm2g

Initial Inlet Fluid Conditions Report

Inlet Fluid Conditions Data		
Inlet Name	Source Fluid	Temperature
		Deg C
RGD	TBG_Media_2012	51.70
EMED GASCAR_E	TBG_Media_2012	25.00
TGS	TBG_Media_2012	20.00

Transient Simulation Scenario Report

Timestep Options	
Minimum Timestep	0.1000 hours
Maximum Timestep	0.1000 hours
Relative Accuracy	10

Transient Simulation Trend Report

Trend Options	
Trend Frequency Type	Minimum
Trend Frequency	0.1000 hours

Trend Data	
Device Name	Trend Item
N01-A0001	Pressure
N01-A001	Down Pressure
	Up Flow
	Inventory
N01-B001	Down Pressure
	Up Flow
	Inventory
N02-A001	Down Pressure
	Up Flow
	Inventory
N02-B001	Down Pressure
	Up Flow
	Inventory
N02-C001	Down Pressure
	Up Flow
	Inventory
N02-D001	Down Pressure
	Up Flow
	Inventory
N02-E001	Down Pressure
	Up Flow
	Inventory
N03-A001	Down Pressure
	Up Flow
	Inventory
N03-B001	Down Pressure
	Up Flow
	Inventory
N03-C001	Down Pressure
	Up Flow
	Inventory
N03-D001	Down Pressure
	Up Flow
	Inventory
N03-E001	Down Pressure
	Up Flow
	Inventory
N04-A001	Down Pressure

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
N04-A002	Down Pressure
	Up Flow
	Inventory
N04-A003	Down Pressure
	Up Flow
	Inventory
N04-B001	Down Pressure
	Up Flow
	Inventory
N04-C001	Down Pressure
	Up Flow
	Inventory
N04-C002	Down Pressure
	Up Flow
	Inventory
N04-C003	Down Pressure
	Up Flow
	Inventory
N04-D001	Down Pressure
	Up Flow
	Inventory
N05-A001	Down Pressure
	Up Flow
	Inventory
N05-B001	Down Pressure
	Up Flow
	Inventory
N05-B002	Down Pressure
	Up Flow
	Inventory
N05-B003	Down Pressure
	Up Flow
	Inventory
N05-B004	Down Pressure
	Up Flow
	Inventory
N05-C001	Down Pressure
	Up Flow
	Inventory
N05-D001	Down Pressure
	Up Flow
	Inventory
N06-A001	Down Pressure
	Up Flow
	Inventory
N06-A002	Down Pressure
	Up Flow
	Inventory
N06-B001	Down Pressure
	Up Flow

Trend Data	
Device Name	Trend Item
	Inventory
N06-B002	Down Pressure
	Up Flow
	Inventory
N06-C001	Down Pressure
	Up Flow
	Inventory
N06-D001	Down Pressure
	Up Flow
	Inventory
N06-E001	Down Pressure
	Up Flow
	Inventory
N07-A001	Down Pressure
	Up Flow
	Inventory
N07-B001	Down Pressure
	Up Flow
	Inventory
N07-B002	Down Pressure
	Up Flow
	Inventory
N07-C001	Down Pressure
	Up Flow
	Inventory
N07-C002	Down Pressure
	Up Flow
	Inventory
N07-D001	Down Pressure
	Up Flow
	Inventory
N07-E001	Down Pressure
	Up Flow
	Inventory
N08-A001	Down Pressure
	Up Flow
	Inventory
N08-B001	Down Pressure
	Up Flow
	Inventory
N08-B002	Down Pressure
	Up Flow
	Inventory
N08-C001	Down Pressure
	Up Flow
	Inventory
N08-C002	Down Pressure
	Up Flow
	Inventory
N08-D001	Down Pressure
	Up Flow
	Inventory

Trend Data	
Device Name	Trend Item
N08-D002	Down Pressure
	Up Flow
	Inventory
N08-D003	Down Pressure
	Up Flow
	Inventory
N10-A001	Down Pressure
	Up Flow
	Inventory
N10-A002	Down Pressure
	Up Flow
	Inventory
N10-A003	Down Pressure
	Up Flow
	Inventory
N10-B001	Down Pressure
	Up Flow
	Inventory
N10-C001	Down Pressure
	Up Flow
	Inventory
N10-C002	Down Pressure
	Up Flow
	Inventory
N10-C003	Down Pressure
	Up Flow
	Inventory
N10-C004	Down Pressure
	Up Flow
	Inventory
N10-C005	Down Pressure
	Up Flow
	Inventory
N10-C006	Down Pressure
	Up Flow
	Inventory
N10-D001	Down Pressure
	Up Flow
	Inventory
N10-E001	Down Pressure
	Up Flow
	Inventory
N10-E002	Down Pressure
	Up Flow
	Inventory
N10-E003	Down Pressure
	Up Flow
	Inventory
N10-E004	Down Pressure
	Up Flow
	Inventory
N11-A001	Down Pressure

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
N11-A002	Down Pressure
	Up Flow
	Inventory
N11-A003	Down Pressure
	Up Flow
	Inventory
N11-A004	Down Pressure
	Up Flow
	Inventory
N11-B001	Down Pressure
	Up Flow
	Inventory
N11-B002	Down Pressure
	Up Flow
	Inventory
N11-B003	Down Pressure
	Up Flow
	Inventory
N11-B004	Down Pressure
	Up Flow
	Inventory
N11-C001	Down Pressure
	Up Flow
	Inventory
N11-C002	Down Pressure
	Up Flow
	Inventory
N11-C003	Down Pressure
	Up Flow
	Inventory
N11-C004	Down Pressure
	Up Flow
	Inventory
N11-C005	Down Pressure
	Up Flow
	Inventory
N11-D001	Down Pressure
	Up Flow
	Inventory
N11-D002	Down Pressure
	Up Flow
	Inventory
N11-D003	Down Pressure
	Up Flow
	Inventory
N11-D004	Down Pressure
	Up Flow
	Inventory
N11-E001	Down Pressure
	Up Flow

Trend Data	
Device Name	Trend Item
	Inventory
N11-E002	Down Pressure
	Up Flow
	Inventory
N11-E003	Down Pressure
	Up Flow
	Inventory
N11-E004	Down Pressure
	Up Flow
	Inventory
S01-A002	Down Pressure
	Up Flow
	Inventory
S01-B001	Down Pressure
	Up Flow
	Inventory
S01-B002	Down Pressure
	Up Flow
	Inventory
S01-C001	Down Pressure
	Up Flow
	Inventory
S01-C002	Down Pressure
	Up Flow
	Inventory
S01-D001	Down Pressure
	Up Flow
	Inventory
S01-E002	Down Pressure
	Up Flow
	Inventory
S01-F001	Down Pressure
	Up Flow
	Inventory
S01-G001	Down Pressure
	Up Flow
	Inventory
S01-G002	Down Pressure
	Up Flow
	Inventory
S01-H001	Down Pressure
	Up Flow
	Inventory
S01-I001	Down Pressure
	Up Flow
	Inventory
S01-I002	Down Pressure
	Up Flow
	Inventory
S01-I003	Down Pressure
	Up Flow
	Inventory

Trend Data	
Device Name	Trend Item
S01-J001	Down Pressure
	Up Flow
	Inventory
S01-J002	Down Pressure
	Up Flow
	Inventory
S01-J003	Down Pressure
	Up Flow
	Inventory
S01-K001	Down Pressure
	Up Flow
	Inventory
S01-K002	Down Pressure
	Up Flow
	Inventory
S02-A001	Down Pressure
	Up Flow
	Inventory
S02-B001	Down Pressure
	Up Flow
	Inventory
S02-B002	Down Pressure
	Up Flow
	Inventory
S02-B003	Down Pressure
	Up Flow
	Inventory
S02-B004	Down Pressure
	Up Flow
	Inventory
S02-B005	Down Pressure
	Up Flow
	Inventory
S02-C001	Down Pressure
	Up Flow
	Inventory
S02-C002	Down Pressure
	Up Flow
	Inventory
S02-C003	Down Pressure
	Up Flow
	Inventory
S02-C004	Down Pressure
	Up Flow
	Inventory
S02-C005	Down Pressure
	Up Flow
	Inventory
S02-D001	Down Pressure
	Up Flow
	Inventory
S02-E002	Down Pressure

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
S02-E003	Down Pressure
	Up Flow
	Inventory
S02-E004	Down Pressure
	Up Flow
	Inventory
S02-E005	Down Pressure
	Up Flow
	Inventory
S02-E006	Down Pressure
	Up Flow
	Inventory
S02-G001	Down Pressure
	Up Flow
	Inventory
S02-G002	Down Pressure
	Up Flow
	Inventory
S02-G003	Down Pressure
	Up Flow
	Inventory
S02-G004	Down Pressure
	Up Flow
	Inventory
S02-G005	Down Pressure
	Up Flow
	Inventory
S02-H001	Down Pressure
	Up Flow
	Inventory
S02-H002	Down Pressure
	Up Flow
	Inventory
S02-H003	Down Pressure
	Up Flow
	Inventory
S02-H004	Down Pressure
	Up Flow
	Inventory
S02-I001	Down Pressure
	Up Flow
	Inventory
S02-I002	Down Pressure
	Up Flow
	Inventory
S02-J001	Down Pressure
	Up Flow
	Inventory
S02-J002	Down Pressure
	Up Flow

Trend Data	
Device Name	Trend Item
	Inventory
S03-A001	Down Pressure
	Up Flow
	Inventory
S03-A002	Down Pressure
	Up Flow
	Inventory
S03-A003	Down Pressure
	Up Flow
	Inventory
S03-B001	Down Pressure
	Up Flow
	Inventory
S03-C001	Down Pressure
	Up Flow
	Inventory
S03-C002	Down Pressure
	Up Flow
	Inventory
S03-D001	Down Pressure
	Up Flow
	Inventory
S03-E001	Down Pressure
	Up Flow
	Inventory
S03-F001	Down Pressure
	Up Flow
	Inventory
S03-F002	Down Pressure
	Up Flow
	Inventory
S03-F003	Down Pressure
	Up Flow
	Inventory
S03-F004	Down Pressure
	Up Flow
	Inventory
S03-G001	Down Pressure
	Up Flow
	Inventory
S03-G002	Down Pressure
	Up Flow
	Inventory
S03-H001	Down Pressure
	Up Flow
	Inventory
S03-H002	Down Pressure
	Up Flow
	Inventory
S03-H003	Down Pressure
	Up Flow
	Inventory

Trend Data	
Device Name	Trend Item
S03-H004	Down Pressure
	Up Flow
	Inventory
S03-H005	Down Pressure
	Up Flow
	Inventory
S03-H006	Down Pressure
	Up Flow
	Inventory
S03-I001	Down Pressure
	Up Flow
	Inventory
S03-I002	Down Pressure
	Up Flow
	Inventory
S03-I003	Down Pressure
	Up Flow
	Inventory
S03-J001	Down Pressure
	Up Flow
	Inventory
S03-J002	Down Pressure
	Up Flow
	Inventory
S03-L001	Down Pressure
	Up Flow
	Inventory
S03-L002	Down Pressure
	Up Flow
	Inventory
S03-L003	Down Pressure
	Up Flow
	Inventory
S03-L004	Down Pressure
	Up Flow
	Inventory
S03-L005	Down Pressure
	Up Flow
	Inventory
S03-L006	Down Pressure
	Up Flow
	Inventory
S03-M001	Down Pressure
	Up Flow
	Inventory
S03-M002	Down Pressure
	Up Flow
	Inventory
S03-M003	Down Pressure
	Up Flow
	Inventory
S04-A001	Down Pressure

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
S04-A002	Down Pressure
	Up Flow
	Inventory
S04-A003	Down Pressure
	Up Flow
	Inventory
S04-A004	Down Pressure
	Up Flow
	Inventory
S04-A005	Down Pressure
	Up Flow
	Inventory
S04-B001	Down Pressure
	Up Flow
	Inventory
S04-B002	Down Pressure
	Up Flow
	Inventory
S04-B003	Down Pressure
	Up Flow
	Inventory
S04-B004	Down Pressure
	Up Flow
	Inventory
S04-B005	Down Pressure
	Up Flow
	Inventory
S04-B006	Down Pressure
	Up Flow
	Inventory
S04-B007	Down Pressure
	Up Flow
	Inventory
S04-B008	Down Pressure
	Up Flow
	Inventory
S04-B009	Down Pressure
	Up Flow
	Inventory
S04-B010	Down Pressure
	Up Flow
	Inventory
S04-C001	Down Pressure
	Up Flow
	Inventory
S04-C002	Down Pressure
	Up Flow
	Inventory
S04-C003	Down Pressure
	Up Flow

Trend Data	
Device Name	Trend Item
	Inventory
S04-C004	Down Pressure
	Up Flow
	Inventory
S04-C005	Down Pressure
	Up Flow
	Inventory
S04-D001	Down Pressure
	Up Flow
	Inventory
S04-D002	Down Pressure
	Up Flow
	Inventory
S04-D003	Down Pressure
	Up Flow
	Inventory
S04-E001	Down Pressure
	Up Flow
	Inventory
S04-E002	Down Pressure
	Up Flow
	Inventory
S04-E003	Down Pressure
	Up Flow
	Inventory
S04-E004	Down Pressure
	Up Flow
	Inventory
S04-E005	Down Pressure
	Up Flow
	Inventory
S04-E006	Down Pressure
	Up Flow
	Inventory
S04-E007	Down Pressure
	Up Flow
	Inventory
S04-F001	Down Pressure
	Up Flow
	Inventory
S04-F002	Down Pressure
	Up Flow
	Inventory
S04-F003	Down Pressure
	Up Flow
	Inventory
S04-G001	Down Pressure
	Up Flow
	Inventory
S04-G002	Down Pressure
	Up Flow
	Inventory

Trend Data	
Device Name	Trend Item
S04-G003	Down Pressure
	Up Flow
	Inventory
S04-H001	Down Pressure
	Up Flow
	Inventory
S04-H002	Down Pressure
	Up Flow
	Inventory
S04-H003	Down Pressure
	Up Flow
	Inventory
S04-H004	Down Pressure
	Up Flow
	Inventory
S05-A001	Down Pressure
	Up Flow
	Inventory
S05-A002	Down Pressure
	Up Flow
	Inventory
S05-A003	Down Pressure
	Up Flow
	Inventory
S05-A004	Down Pressure
	Up Flow
	Inventory
S05-B001	Down Pressure
	Up Flow
	Inventory
S05-B002	Down Pressure
	Up Flow
	Inventory
S05-B003	Down Pressure
	Up Flow
	Inventory
S05-B004	Down Pressure
	Up Flow
	Inventory
S05-C001	Down Pressure
	Up Flow
	Inventory
S05-C002	Down Pressure
	Up Flow
	Inventory
S05-D001	Down Pressure
	Up Flow
	Inventory
S05-D002	Down Pressure
	Up Flow
	Inventory
S05-E001	Down Pressure

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
S05-E002	Down Pressure
	Up Flow
	Inventory
S05-E003	Down Pressure
	Up Flow
	Inventory
S05-E004	Down Pressure
	Up Flow
	Inventory
S05-F001	Down Pressure
	Up Flow
	Inventory
S05-F002	Down Pressure
	Up Flow
	Inventory
S05-F003	Down Pressure
	Up Flow
	Inventory
S05-G001	Down Pressure
	Up Flow
	Inventory
S05-G002	Down Pressure
	Up Flow
	Inventory
S05-H001	Down Pressure
	Up Flow
	Inventory
S05-H002	Down Pressure
	Up Flow
	Inventory
S05-H003	Down Pressure
	Up Flow
	Inventory
S05-H004	Down Pressure
	Up Flow
	Inventory
S05-H005	Down Pressure
	Up Flow
	Inventory
S05-H006	Down Pressure
	Up Flow
	Up Velocity
	Inventory
S05-I001	Down Pressure
	Up Flow
	Inventory
S05-I002	Down Pressure
	Up Flow
	Inventory
S05-I003	Down Pressure

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
S05-I004	Down Pressure
	Up Flow
	Inventory
S05-J001	Down Pressure
	Up Flow
	Inventory
S05-J002	Down Pressure
	Up Flow
	Inventory
S05-J003	Down Pressure
	Up Flow
	Inventory
S05-L001	Down Pressure
	Up Flow
	Inventory
S05-L002	Down Pressure
	Up Flow
	Inventory
S05-L003	Down Pressure
	Up Flow
	Inventory
P01-A001	Down Pressure
	Up Flow
	Inventory
P01-A002	Down Pressure
	Up Flow
	Inventory
P01-B001	Down Pressure
	Up Flow
	Inventory
P01-B002	Down Pressure
	Up Flow
	Inventory
P01-B003	Down Pressure
	Up Flow
	Inventory
P01-C001	Down Pressure
	Up Flow
	Inventory
P01-C002	Down Pressure
	Up Flow
	Inventory
P01-D001	Down Pressure
	Up Flow
	Inventory
P01-D002	Down Pressure
	Up Flow
	Inventory
P01-E001	Down Pressure
	Up Flow

Trend Data	
Device Name	Trend Item
	Inventory
P01-F001	Down Pressure
	Up Flow
	Inventory
P01-G001	Down Pressure
	Up Flow
	Inventory
P01-G002	Down Pressure
	Up Flow
	Inventory
P01-G003	Down Pressure
	Up Flow
	Inventory
P01-H001	Down Pressure
	Up Flow
	Inventory
P01-H002	Down Pressure
	Up Flow
	Inventory
P01-H003	Down Pressure
	Up Flow
	Inventory
P01-H004	Down Pressure
	Up Flow
	Inventory
P01-I001	Down Pressure
	Up Flow
	Inventory
P01-I002	Down Pressure
	Up Flow
	Inventory
P01-J001	Down Pressure
	Up Flow
	Inventory
P01-J002	Down Pressure
	Up Flow
	Inventory
P01-J003	Down Pressure
	Up Flow
	Inventory
P01-L001	Down Pressure
	Up Flow
	Inventory
S01-F002	Down Pressure
	Up Flow
	Inventory
N10-A004	Down Pressure
	Up Flow
	Inventory
S01-E001	Down Pressure
	Up Flow
	Inventory

Trend Data	
Device Name	Trend Item
S02-E001	Down Pressure
	Up Flow
	Inventory
S02-F008	Down Pressure
	Up Flow
	Inventory
S02-F001	Down Pressure
	Up Flow
	Inventory
S02-F002	Down Pressure
	Up Flow
	Inventory
S02-F003	Down Pressure
	Up Flow
	Inventory
S02-F004	Down Pressure
	Up Flow
	Inventory
S02-F005	Down Pressure
	Up Flow
	Inventory
S02-F006	Down Pressure
	Up Flow
	Inventory
S02-F007	Down Pressure
	Up Flow
	Inventory
S02-F009	Down Pressure
	Up Flow
	Inventory
N09_A001	Down Pressure
	Up Flow
	Inventory
N09_A002	Down Pressure
	Up Flow
	Inventory
N09_A003	Down Pressure
	Up Flow
	Inventory
N09_A004	Down Pressure
	Up Flow
	Inventory
N09_A005	Down Pressure
	Up Flow
	Inventory
N09_B001	Down Pressure
	Up Flow
	Inventory
N09_B002	Down Pressure
	Up Flow
	Inventory
N09_B003	Down Pressure
	Up Flow
	Inventory

Trend Data	
Device Name	Trend Item
	Up Flow
	Inventory
N09_B004	Down Pressure
	Up Flow
	Inventory
N09_B005	Down Pressure
	Up Flow
	Inventory
N09_B006	Down Pressure
	Up Flow
	Inventory
N09_B007	Down Pressure
	Up Flow
	Inventory
N09_C001	Down Pressure
	Up Flow
	Inventory
N09_C002	Down Pressure
	Up Flow
	Inventory
N09_C003	Down Pressure
	Up Flow
	Inventory
N09_C004	Down Pressure
	Up Flow
	Inventory
N09_C005	Down Pressure
	Up Flow
	Inventory
N09_D001	Down Pressure
	Up Flow
	Inventory
N09_D002	Down Pressure
	Up Flow
	Inventory
N09_D003	Down Pressure
	Up Flow
	Inventory
N09_D004	Down Pressure
	Up Flow
	Inventory
N09_D005	Down Pressure
	Up Flow
	Inventory
N09_D006	Down Pressure
	Up Flow
	Inventory
N09_D007	Down Pressure
	Up Flow
	Inventory
N09_D008	Down Pressure
	Up Flow

Trend Data	
Device Name	Trend Item
	Inventory
N09_D009	Down Pressure
	Up Flow
	Inventory
RGD	Flow
	Pressure
PE CBA	Pressure
	Flow
PE CGR	Pressure
	Flow
UTE TLG	Pressure
	Flow
PE BLC	Pressure
	Flow
PE BSP	Pressure
	Flow
PE SCA	Pressure
	Flow
PE RCL	Pressure
	Flow
PE LMR	Pressure
	Flow
PE AMR	Pressure
	Flow
PE RPL	Pressure
	Flow
PE SMR	Pressure
	Flow
PE CMP	Pressure
	Flow
PE ITU	Pressure
	Flow
PE ACB	Pressure
	Flow
PE CIC ARC	Pressure
	Flow
PE RPR	Pressure
	Flow
PE JVL	Pressure
	Flow
PE GMM	Pressure
	Flow
PE GSP	Pressure
	Flow
PE BRQ	Pressure
	Flow
PE TJC	Pressure
	Flow
PE SPA	Pressure
	Flow
PE TBR	Pressure
	Flow

Trend Data	
Device Name	Trend Item
PE URS	Pressure
	Flow
PE NVZ	Pressure
	Flow
PE VZC	Pressure
	Flow
PE ARA	Pressure
	Flow
PE CCH	Pressure
	Flow
PE RFP	Pressure
	Flow
PE CAN	Pressure
	Flow
PE JGN	Pressure
	Flow
PE ITA	Pressure
	Flow
PE GRM	Pressure
	Flow
EMED GRM	Pressure
	Flow
PE IND	Pressure
	Flow
UTE ARC	Pressure
	Flow
UTE CAN	Pressure
	Flow
PE PFZ	Pressure
	Flow
PE CLG	Pressure
	Flow
PE GMN	Pressure
	Flow
EMED GASCAR_S	Pressure
	Flow
PE IGR	Pressure
	Flow
EMED JCT	Pressure
	Flow
PE VLP	Pressure
	Flow
PE IAC	Pressure
	Flow
UFN TLG	Pressure
	Flow
PE ITP	Pressure
	Flow
PE ITR	Pressure
	Flow
COM_CBA	Flow
COM_MRD	Flow

Trend Data	
Device Name	Trend Item
COMB_ANT	Flow
COMB_CGR	Flow
COMB_RRP	Flow
COMB_TLG	Flow
COMB_MIR	Flow
COMB_PEN	Flow
COMB_IAC	Flow
COMB_SCA	Flow
COMB_ARC	Flow
COMB_PLN	Flow
COMB_CBO	Flow
COMB_SID	Flow
COMB_BIG	Flow
MTN	Down Pressure
	Flow
	Accumulated Volume
HUB1	Down Pressure
	Up Pressure
	Flow
HUB2	Down Pressure
	Up Pressure
	Flow
HUB3	Down Pressure
	Up Pressure
	Flow
HUB4	Down Pressure
	Up Pressure
	Flow
HUB5	Down Pressure
	Up Pressure
	Flow
CBA-A	Flow
	Power
	Speed
	Head
CBA-B	Flow
	Power
	Speed
	Head
MRD-A	Flow
	Power
	Speed
	Head
MRD-B	Flow
	Power
	Speed
	Head
ANT-A	Flow
	Power
	Speed
	Head
ANT-B	Flow

Trend Data	
Device Name	Trend Item
	Power
	Speed
	Head
CGR-A	Flow
	Power
	Speed
	Head
CGR-B	Flow
	Power
	Speed
	Head
CGR-C	Flow
	Power
	Speed
	Head
CGR-D	Flow
	Power
	Speed
	Head
RRP-A	Flow
	Power
	Speed
	Head
RRP-B	Flow
	Power
	Speed
	Head
TLG-A	Flow
	Power
	Speed
	Head
TLG-B	Flow
	Power
	Speed
	Head
MIR-A	Flow
	Power
	Speed
	Head
MIR-B	Flow
	Power
	Speed
	Head
PEN-A	Flow
	Power
	Speed
	Head
PEN-B	Flow
	Power
	Speed
	Head
PEN-C	Flow

Trend Data	
Device Name	Trend Item
	Power
	Speed
	Head
PEN-D	Flow
	Power
	Speed
	Head
IAC-A	Flow
	Power
	Speed
	Head
IAC-B	Flow
	Power
	Speed
	Head
SCA-A	Flow
	Power
	Speed
	Head
SCA-B	Flow
	Power
	Speed
	Head
PLN-A	Flow
	Power
	Speed
	Head
PLN-B	Flow
	Power
	Speed
	Head
CBO-A	Flow
	Power
	Speed
	Head
CBO-B	Flow
	Power
	Speed
	Head
CBO-C	Flow
	Power
	Speed
	Head
ARC_MCA	Power
	Actual Flow
	Head
	Speed
	Up Pressure
	Down Pressure
	Up Temperature
	Down Temperature
SID_MCA	Power

Trend Data	
Device Name	Trend Item
	Actual Flow
	Head
	Speed
	Up Pressure
	Down Pressure
	Up Temperature
	Down Temperature
BIG_MCA	Power
	Actual Flow
	Head
	Speed
	Up Pressure
	Down Pressure
	Up Temperature
	Down Temperature
CBA	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
MRD	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
ANT	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
CGR	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
RRP	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
TLG	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
MIR	Down Pressure
	Up Pressure
	Down Temperature
	Up Temperature
	Flow
PEN	Down Pressure
	Up Pressure

Supply Report Options	
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Hydraulic	Summary
Quality	Summary
Selected	All

Delivery Report Options	
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Hydraulic	Summary
Quality	Summary
Selected	All

Energy Delivery Report Options	
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Hydraulic	Summary
Quality	Summary
Selected	All

Fuel Delivery Report Options	
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Hydraulic	Summary
Quality	Summary
Selected	All

Leak Delivery Report Options	
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Hydraulic	Summary
Quality	Summary
Selected	All

Storage Report Options	
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Hydraulic	None
Quality	None
Selected	All

Equipment Report Options	
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Hydraulic	Summary
Quality	None
Selected	All

Block Valve Report Options	
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Hydraulic	None
Quality	None
Selected	All

Check Valve Report Options	
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Hydraulic	None
Quality	None
Selected	All

Compressor Report Options	
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Hydraulic	None
Quality	None
Selected	All

Resistance Report Options

Hydraulic	None
Quality	None
Selected	All

Regulator Report Options

Hydraulic	None
Quality	None
Selected	All

Relief Valve Report Options

Hydraulic	Summary
Quality	None
Selected	All

Cooler Report Options

Hydraulic	None
Quality	None
Selected	All

Heater Report Options

Hydraulic	None
Quality	None
Selected	All

Station Report Options

Hydraulic	Summary
Quality	None
Selected	All

Pipe Report Options

Hydraulic	Summary
Quality	Summary
Wall Temperature	Summary
Selected	All

SubNetwork Report Options

Hydraulic	Summary
Selected	All