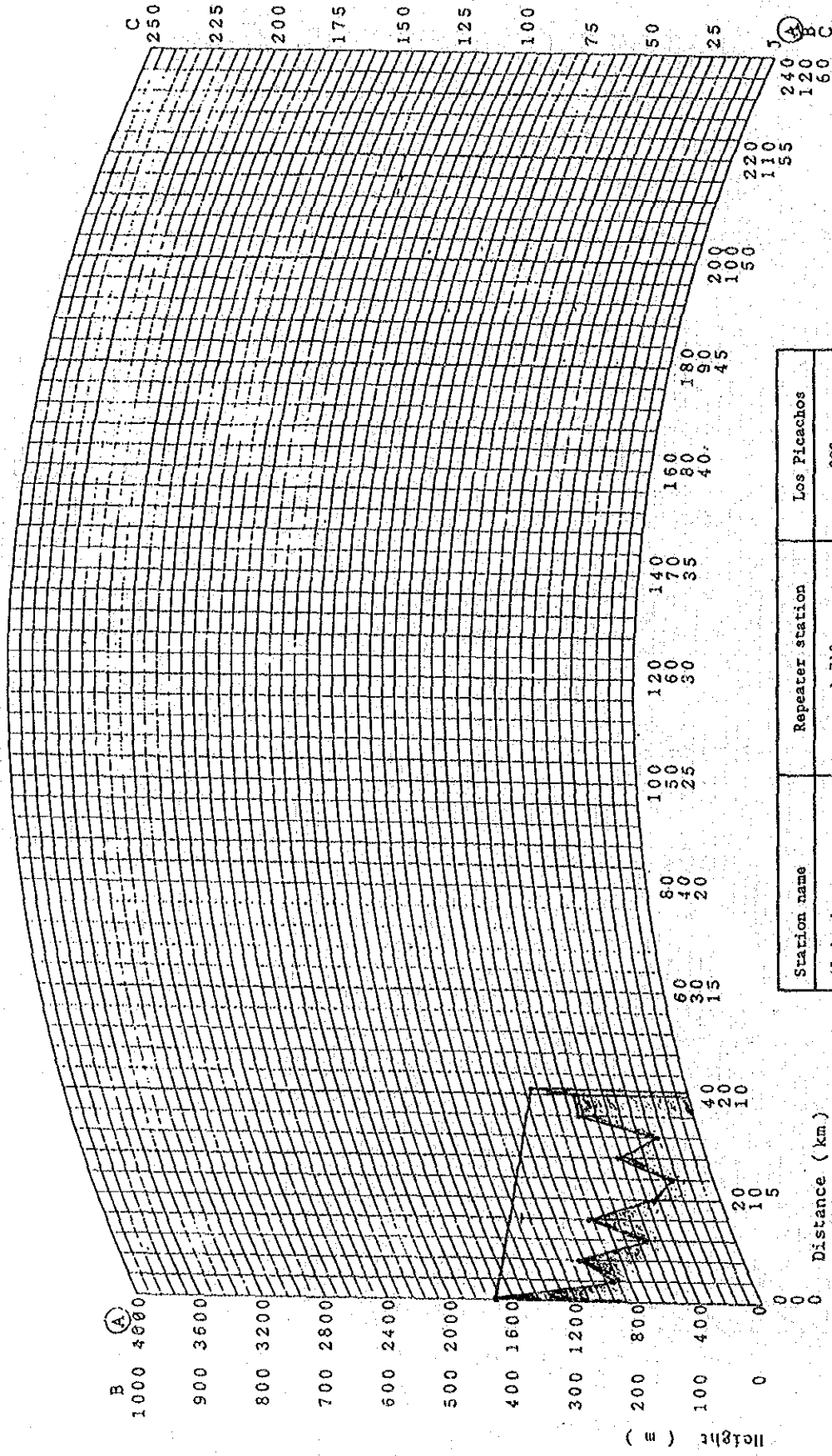


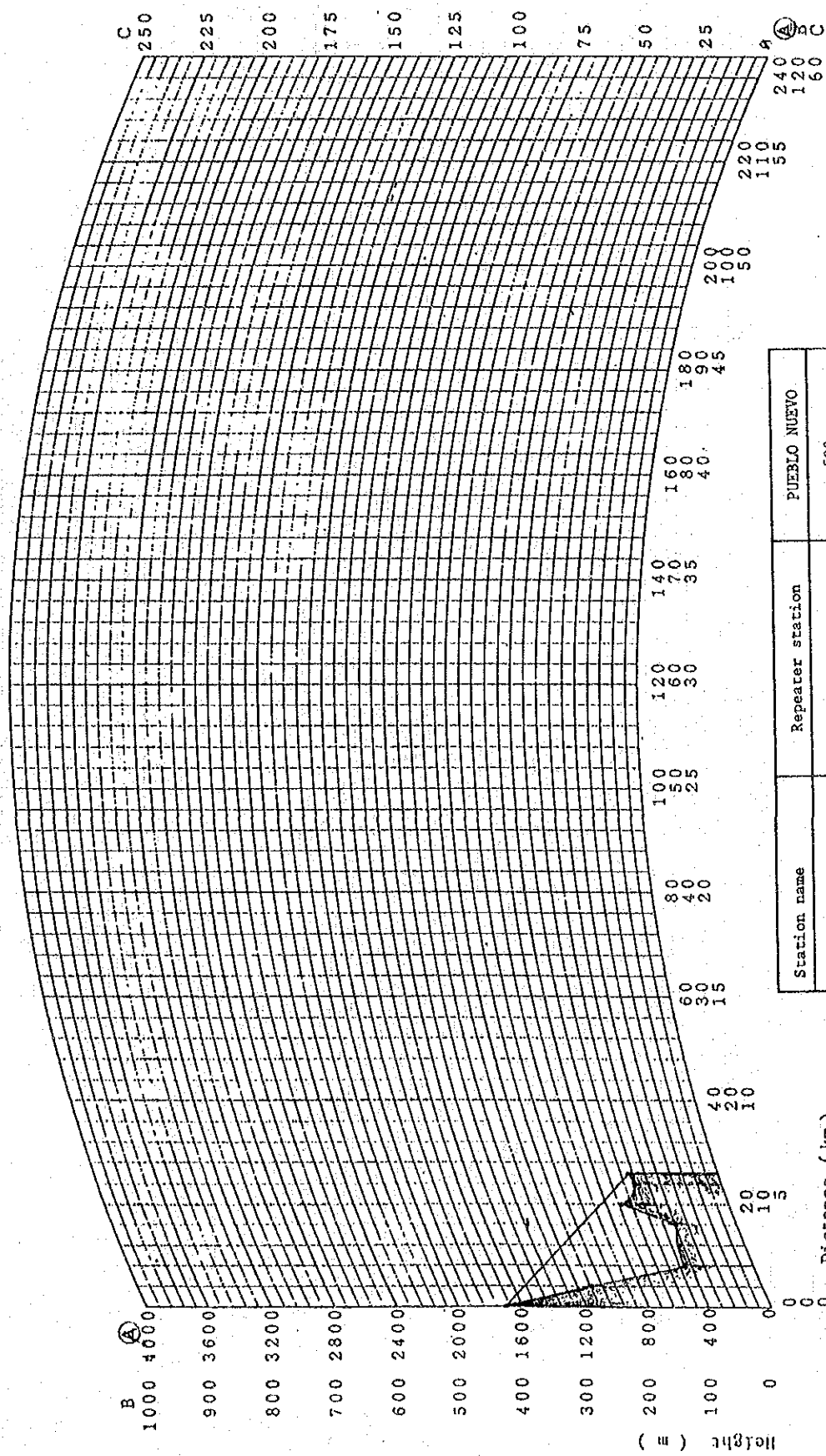
TERRAIN PROFILE

(k = 4/3)



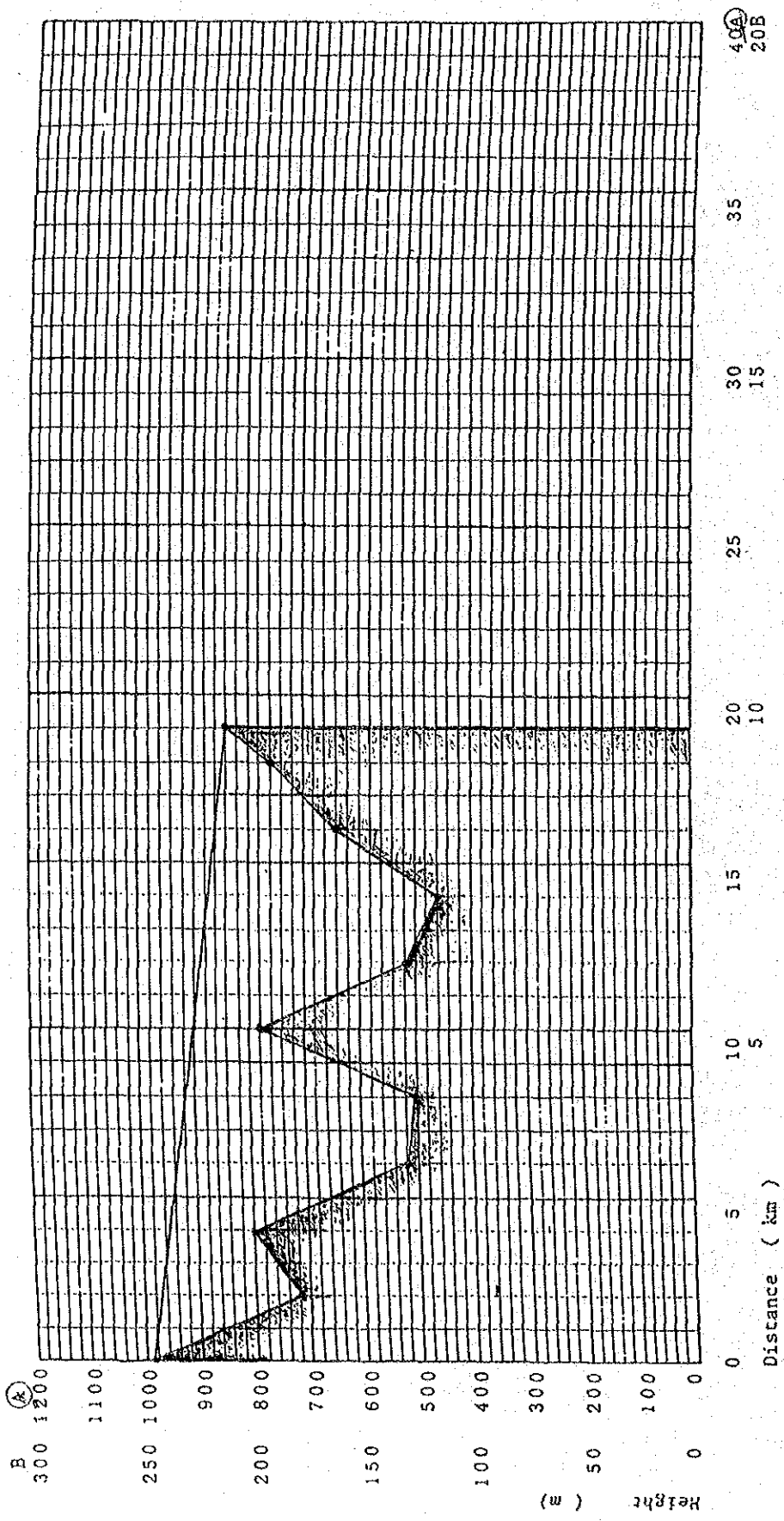
Station name	Repeater station	Los Picachos
Altitude	1,710 m	983 m
Antenna height	m	m
Location	N	87°48'30"
	N	15°01'33"
Distance	40.95 km	

TERRAIN PROFILE (k = 4/3)



Station name	Repeater station	PUEBLO NUEVO
Altitude	1,710 m	580 m
Antenna height	m	m
Location	W	87°46'37"
	N	14°14'42"
Distance	26.53 km	

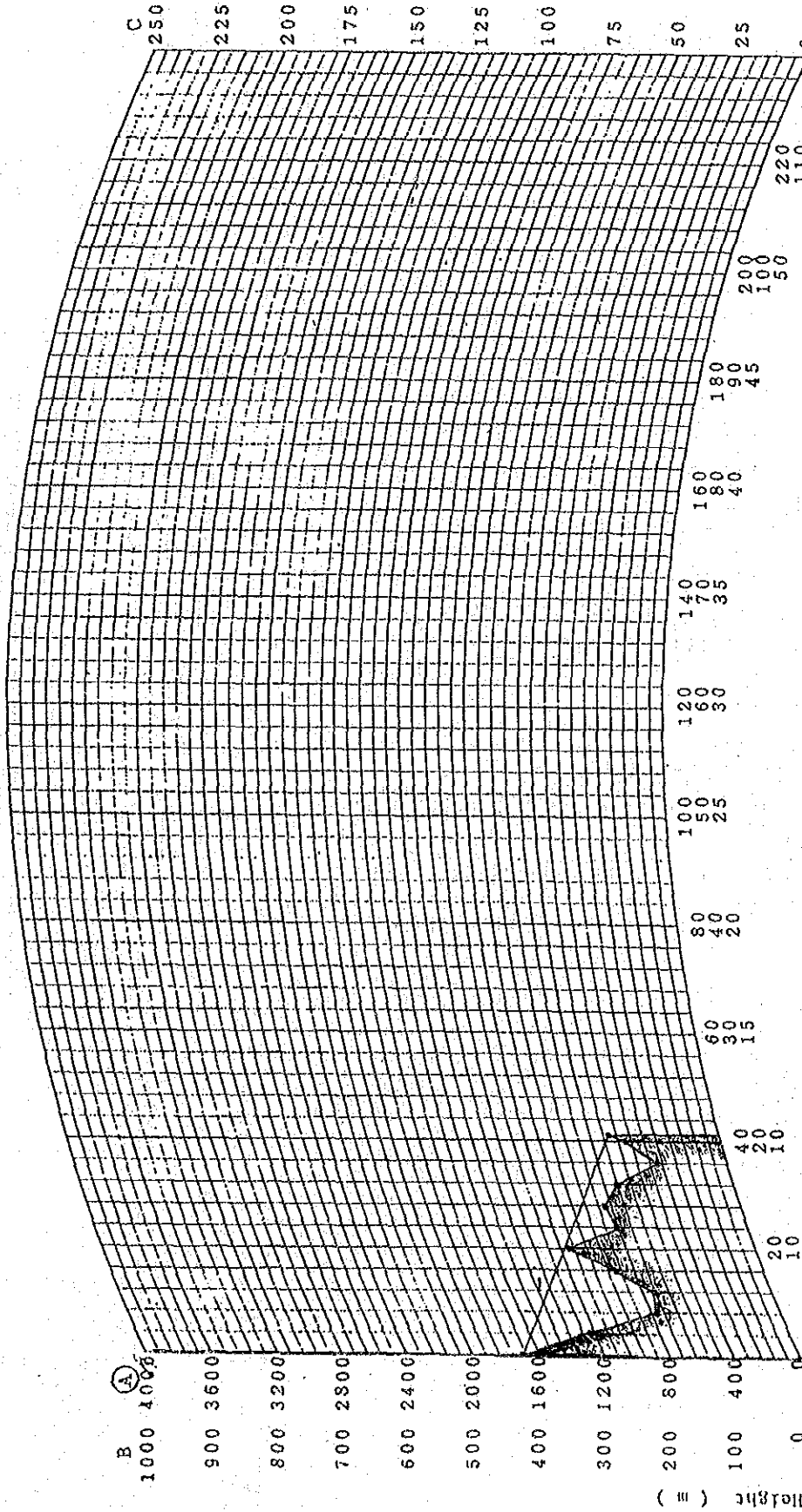
TERRAIN PROFILE (K = 4/3) Scale: _____



Station name	Los Picachos	PALMITAL
Altitude	983 m	840 m
Antenna height	m	m
Location	W	87°48'54"
	N	15°01'33"
Distance	19.03 km	

TERRAIN PROFILE

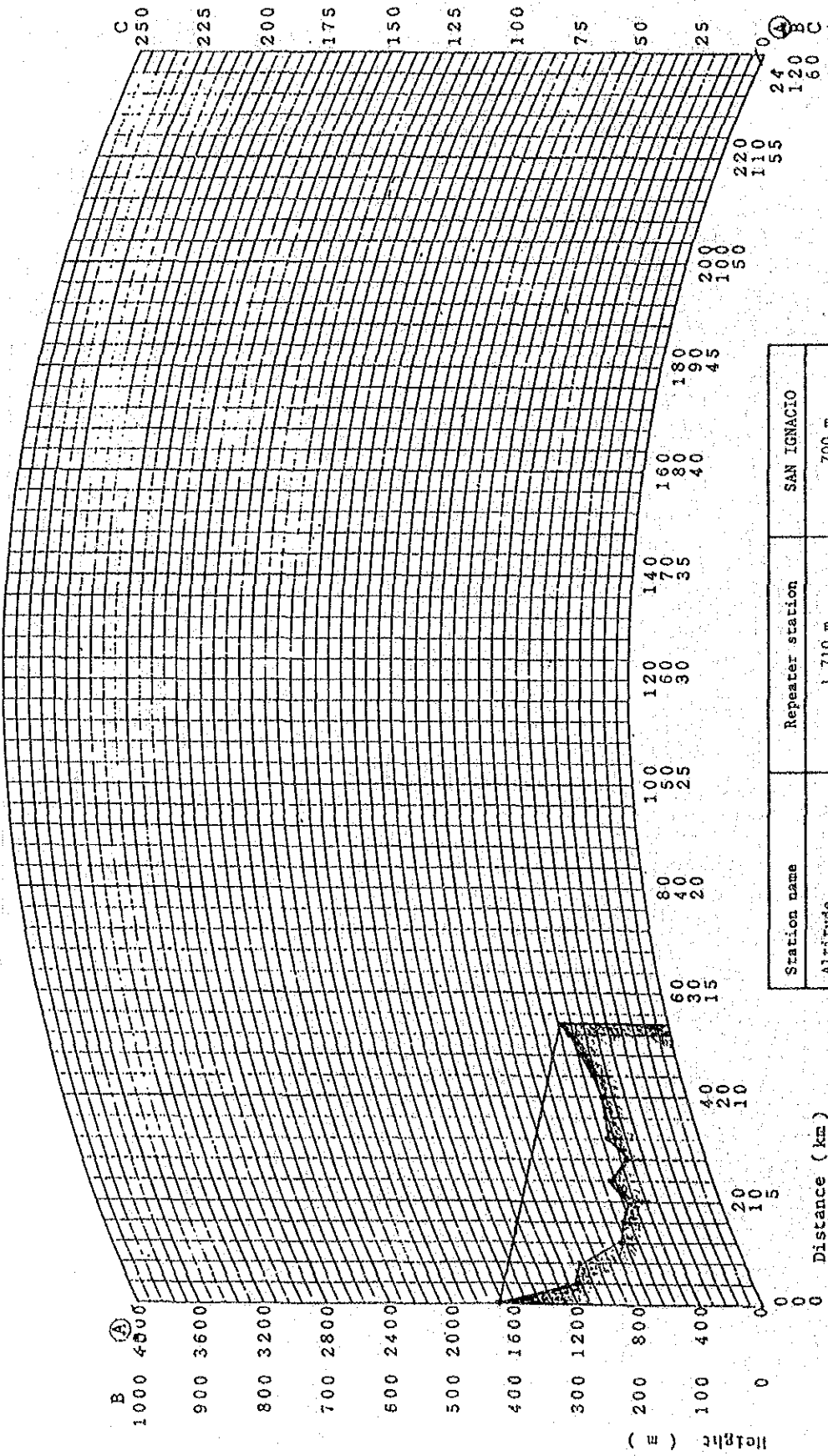
(k = 4/3)



Station name	Repeater station	MARALE
Altitude	1,710 m	700 m
Antenna height	m	m
Location	W	87°10'02"
	N	14°53'39"
Distance	41.33 km	

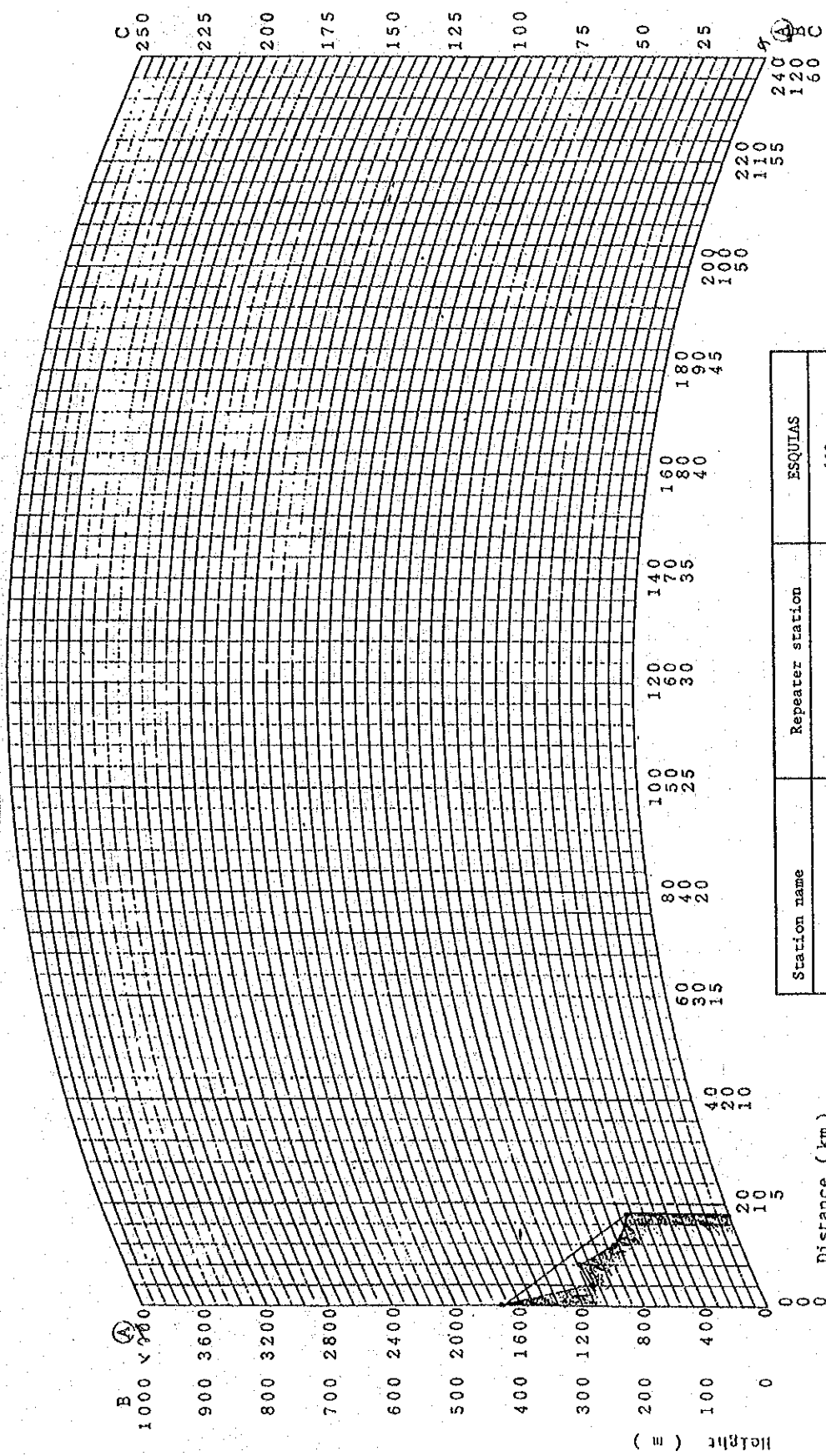
TERRAIN PROFILE

(k = 4/3)



Station name	Repeater station	SAN IGNACIO
Altitude	1,710 m	700 m
Antenna height	m	m
Location	W	87°02'26"
	N	14°39'23"
Distance	54.0 km	

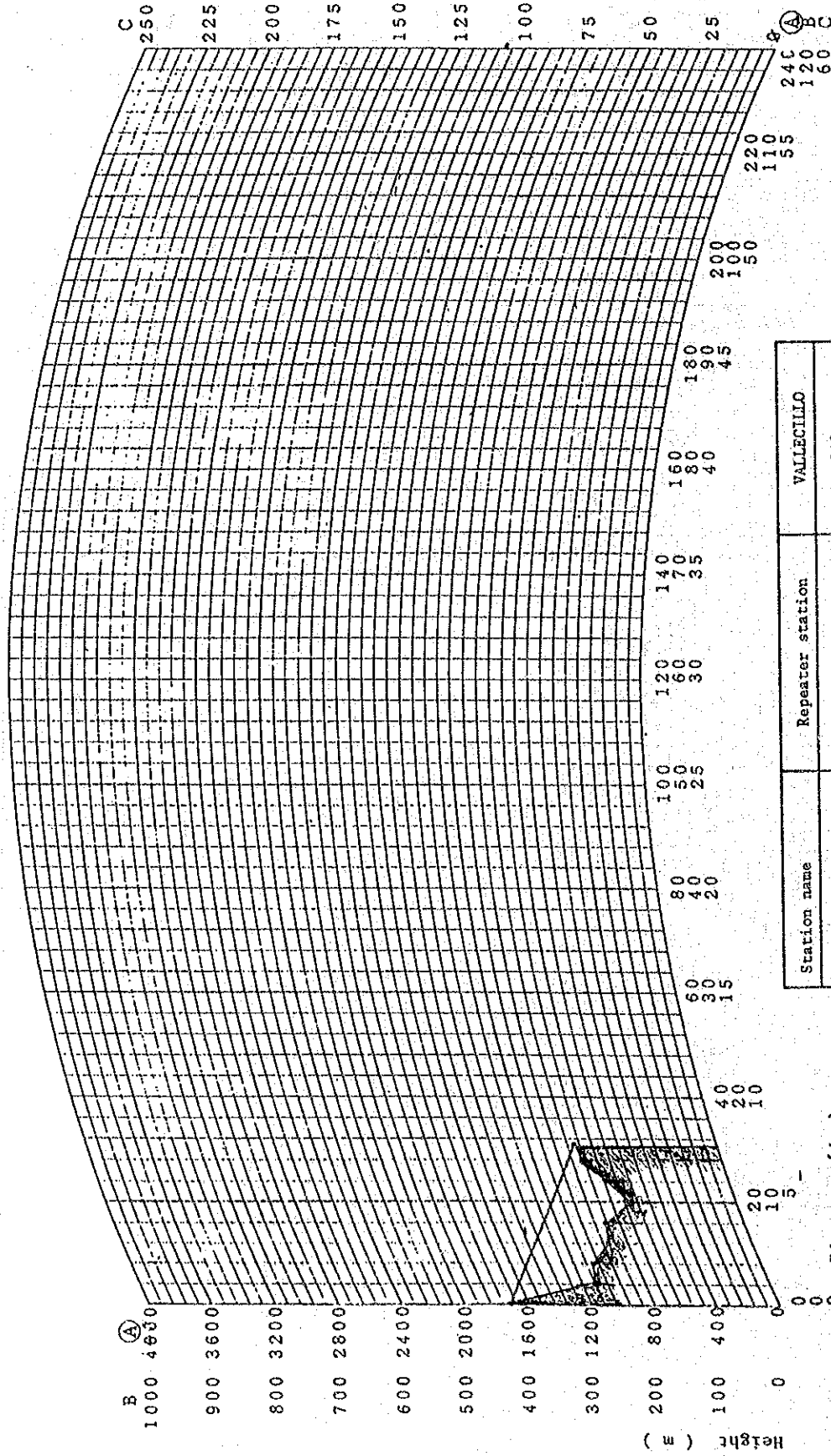
TERRAIN PROFILE (k = 4/3)



Station name	Repeater station	ESQUILAS
Altitude	1,710 m	660 m
Antenna height	m	m
Location	W	87°22'10"
	N	14°44'29"
Distance	17.3 km	

TERRAIN PROFILE

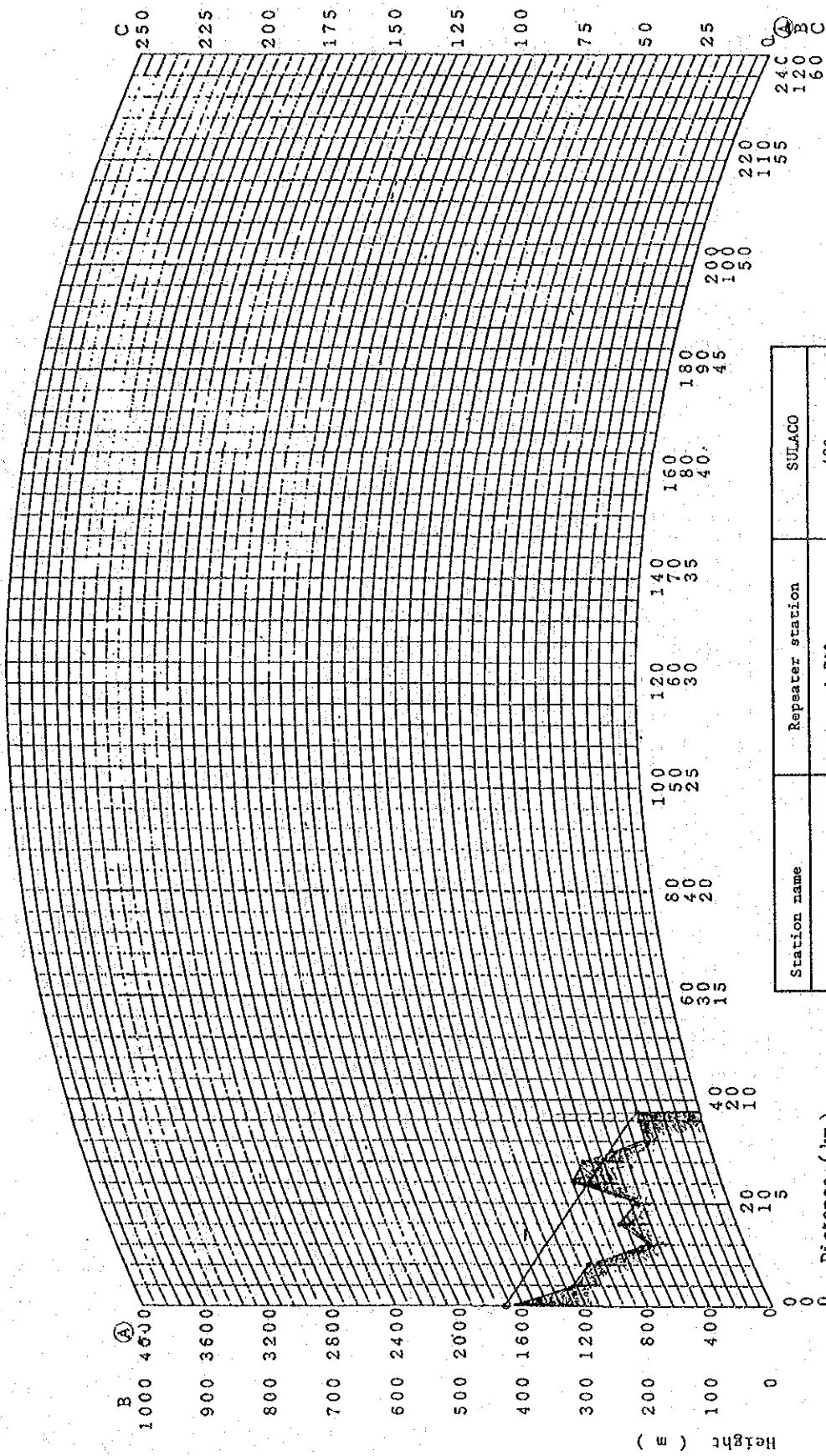
(k = 4/3)



Station name	Repeater station	VALLECILLO
Altitude	1,710 m	940 m
Antenna height	m	m
Location	W	87°31'47"
	N	14°46'10"
Distance	31.5 km	

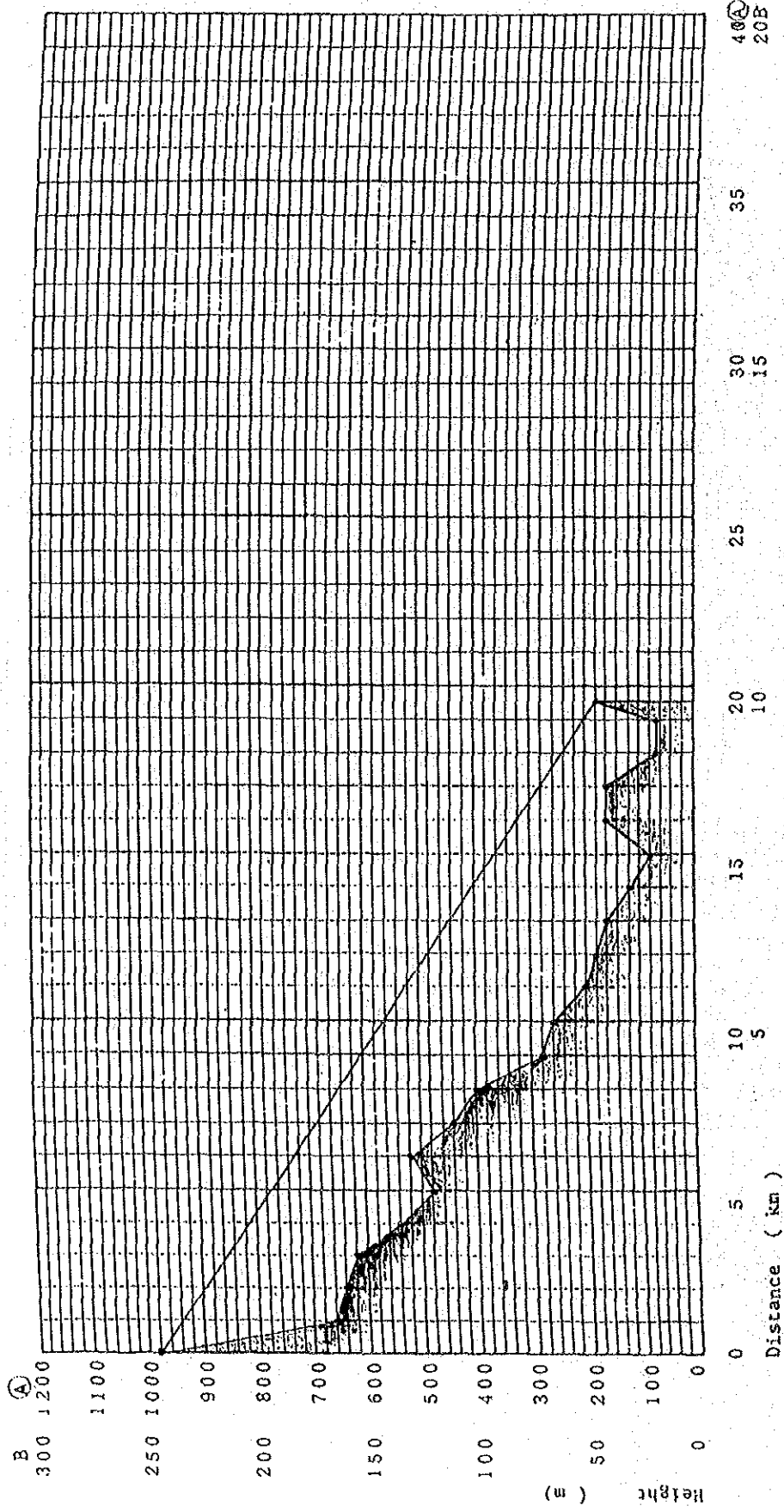
TERRAIN PROFILE

(k = 4/3)



Station name	Repeater station	SULACO
Altitude	1,710 m	400 m
Antenna height	m	m
Location	W	87°15'54"
	N	14°54'36"
Distance	32.33 km	

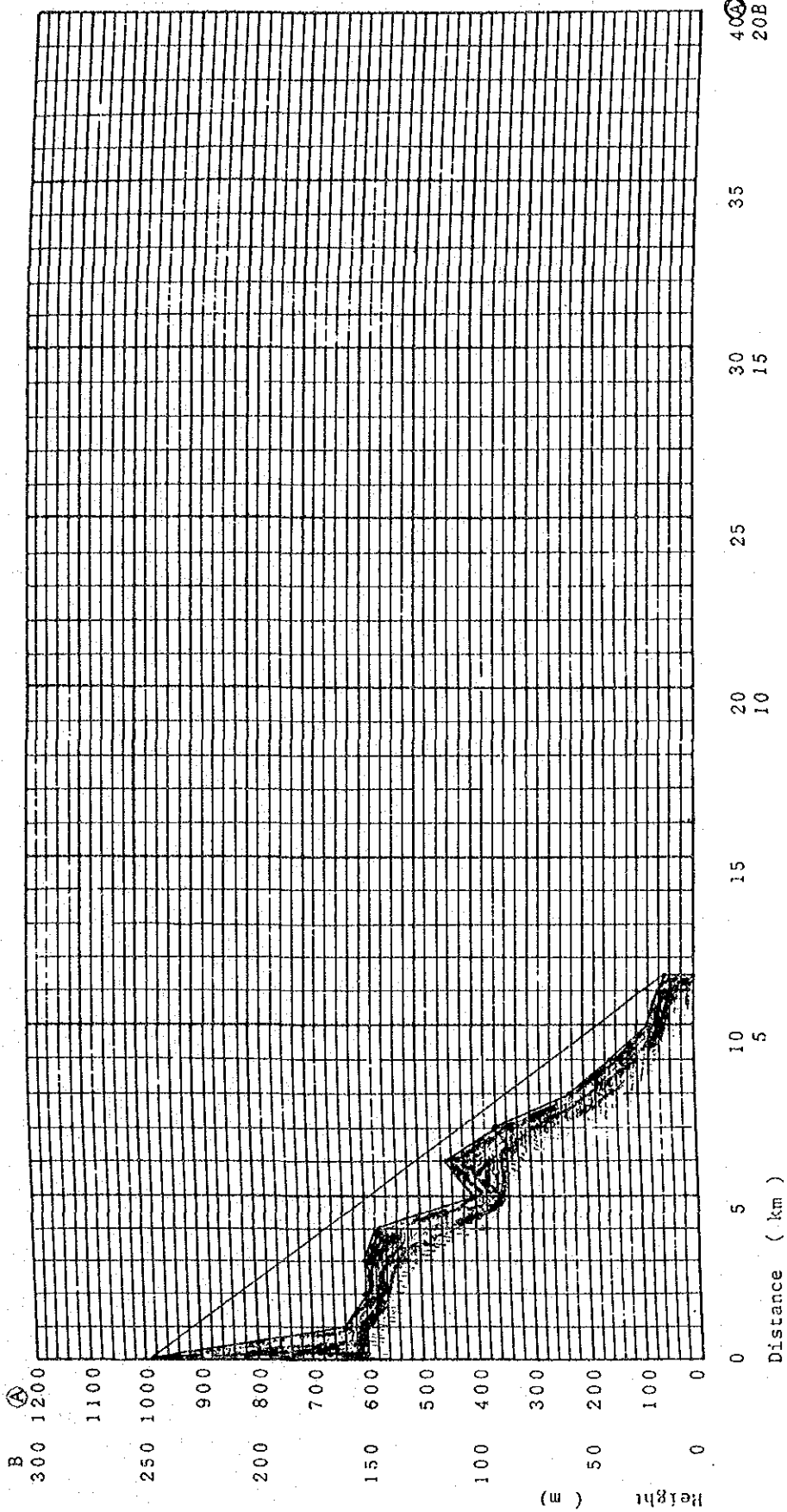
TERRAIN PROFILE (K = 4/3) Scale: _____



Station name	Los Picachos	SANTA RITA
Altitude	983 m	180 m
Antenna height	m	m
Location	W	87°52'27"
	N	15°01'33"
Distance	19.6 km	

TERRAIN PROFILE (K = 4/3)

Scale: _____



Station name	Los Picachos	EL REMOLINO
Altitude	1,013 m	60 m
Antenna height	30 m	10 m
Location	W	87°48'30"
	N	15°01'33"
Distance	11.52 km	

AP-4 増設計画の検討

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (CM)	S (M3/SD)	GIN (M3/SD)	QA (M3/SD)	QOUT (M3/SD)	P (MW)	E (COWH)	T (H)	ETG (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)	
1	1	1	31	282.1	45217.0	1288.8(41.57)	3162.0(102.00)	0.0	137.73	102.47	24.0	0.807	191.73	102.00	6.35	283.01
2	1	2	28	280.2	43236.8	875.8(31.28)	2856.0(102.00)	0.0	139.60	93.81	24.0	0.827	196.90	102.00	6.35	281.17
3	1	3	31	277.7	40724.5	649.7(20.96)	3162.0(102.00)	0.0	137.47	102.28	24.0	0.825	198.75	102.00	6.35	278.97
4	1	4	30	275.3	38366.2	701.8(23.39)	3060.0(102.00)	0.0	135.12	97.28	24.0	0.823	200.92	102.00	6.35	276.52
5	1	5	31	272.3	35467.4	263.2(8.49)	3162.0(102.00)	0.0	132.51	98.59	24.0	0.821	203.51	102.00	6.35	273.82
6	1	6	30	275.8	38776.0	708.6(24.29)	3900.0(130.00)	0.0	181.94	131.00	24.0	0.884	203.50	130.00	6.35	274.03
7	1	7	31	273.3	36403.9	1657.9(53.48)	4030.0(130.00)	0.0	182.59	133.85	24.0	0.885	202.82	130.00	6.35	274.53
8	1	8	31	271.5	34678.2	2304.3(74.33)	4030.0(130.00)	0.0	179.77	133.75	24.0	0.883	204.96	130.00	6.35	272.38
9	1	9	30	279.3	42326.9	1154.7(38.96)	3900.0(130.00)	0.0	183.73	132.29	24.0	0.885	201.99	130.00	6.35	273.39
10	1	10	31	282.8	45942.8	8730.9(281.64)	5115.0(185.00)	0.0	244.44	181.87	24.0	0.898	196.98	185.00	6.34	281.07
11	1	11	30	285.0	48259.6	7566.8(252.23)	5250.0(175.00)	0.0	264.25	190.26	24.0	0.900	193.45	175.00	6.33	283.91
12	1	12	31	283.9	47137.7	2040.1(65.81)	3162.0(102.00)	0.0	139.04	103.44	24.0	0.808	192.76	102.00	6.35	284.47
						3736.4(123.20)	3732.4(122.67)	0.0	171.52	125.24		0.854	603.3	3732.		278.27
13	2	1	31	282.1	45238.3	1262.6(40.73)	3162.0(102.00)	0.0	137.76	102.49	24.0	0.807	191.70	102.00	6.35	283.05
14	2	2	28	280.4	43429.3	1047.0(37.39)	2856.0(102.00)	0.0	139.70	93.88	24.0	0.827	196.81	102.00	6.35	281.27
15	2	3	31	278.0	40947.0	679.7(21.93)	3162.0(102.00)	0.0	137.67	102.42	24.0	0.826	198.57	102.00	6.35	279.18
16	2	4	30	275.4	38475.4	588.4(19.61)	3060.0(102.00)	0.0	135.28	97.40	24.0	0.824	200.77	102.00	6.35	276.70
17	2	5	31	273.2	36336.6	1023.2(33.01)	3162.0(102.00)	0.0	133.01	98.96	24.0	0.821	203.00	102.00	6.35	274.34
18	2	6	30	274.7	37738.1	4461.5(148.72)	3060.0(102.00)	0.0	132.64	95.50	24.0	0.821	203.37	102.00	6.35	273.96
19	2	7	31	278.6	41577.1	7001.0(225.84)	3162.0(102.00)	0.0	135.21	100.60	24.0	0.823	200.83	102.00	6.35	276.63
20	2	8	31	280.0	43030.2	5483.1(176.87)	4030.0(130.00)	0.0	188.90	140.54	24.0	0.889	198.47	130.00	6.35	279.29
21	2	9	30	283.4	46571.0	7440.8(248.03)	3900.0(130.00)	0.0	192.12	138.32	24.0	0.891	196.45	130.00	6.35	281.71
22	2	10	31	284.8	48083.2	5542.2(178.78)	4030.0(130.00)	0.0	189.73	141.16	24.0	0.868	193.11	130.00	6.35	284.12
23	2	11	30	284.9	48139.8	3146.6(103.89)	3060.0(102.00)	0.0	139.38	100.35	24.0	0.808	192.15	102.00	6.35	284.86
24	2	12	31	283.7	46838.9	1881.1(60.04)	3162.0(102.00)	0.0	138.86	103.31	24.0	0.803	192.88	102.00	6.35	284.28
						3292.3(107.90)	3317.2(109.00)	0.0	150.02	109.58		0.835	600.2	3317.		279.95
25	3	1	31	281.2	44222.2	1103.3(35.59)	3720.0(120.00)	0.0	174.47	129.80	24.0	0.873	195.89	120.00	6.35	282.42
26	3	2	28	279.2	42246.3	880.1(31.43)	2856.0(102.00)	0.0	138.66	93.18	24.0	0.826	197.70	102.00	6.35	280.21
27	3	3	31	276.9	39853.2	749.0(24.81)	3162.0(102.00)	0.0	136.58	101.61	24.0	0.825	199.56	102.00	6.35	278.05
28	3	4	30	274.6	37642.4	849.2(28.31)	3060.0(102.00)	0.0	134.34	96.72	24.0	0.823	201.68	102.00	6.35	275.72
29	3	5	31	273.3	36384.1	1903.7(61.41)	3162.0(102.00)	0.0	132.62	98.67	24.0	0.821	203.40	102.00	6.35	273.93
30	3	6	30	277.4	40440.2	7956.1(265.20)	3900.0(130.00)	0.0	183.69	132.26	24.0	0.885	202.02	130.00	6.35	275.36
31	3	7	31	276.3	39279.6	2869.4(92.56)	4030.0(130.00)	0.0	185.67	138.14	24.0	0.887	200.63	130.00	6.35	276.86
32	3	8	31	278.5	41526.8	6277.2(202.49)	4030.0(130.00)	0.0	186.39	138.67	24.0	0.887	200.13	130.00	6.35	277.40
33	3	9	30	283.6	46750.0	9123.2(304.11)	3900.0(130.00)	0.0	191.24	137.69	24.0	0.891	196.99	130.00	6.35	281.06
34	3	10	31	284.6	47862.4	6537.4(210.88)	5425.0(175.00)	0.0	264.59	196.86	24.0	0.901	193.14	175.00	6.33	284.10
35	3	11	30	284.8	48051.3	3248.9(108.30)	3060.0(102.00)	0.0	139.25	100.26	24.0	0.808	192.37	102.00	6.35	284.71
36	3	12	31	283.5	46642.3	1753.0(56.55)	3162.0(102.00)	0.0	138.74	103.22	24.0	0.808	193.08	102.00	6.35	284.14
						3605.9(118.47)	3622.2(118.92)	0.0	167.19	122.26		0.853	603.4	3622.		279.50
37	4	1	31	280.7	43770.3	1158.0(37.35)	4030.0(130.00)	0.0	192.64	143.33	24.0	0.892	196.13	130.00	6.35	282.11
38	4	2	28	277.8	40838.8	708.5(25.30)	3640.0(130.00)	0.0	188.89	126.93	24.0	0.889	198.47	130.00	6.35	279.29
39	4	3	31	274.3	37372.6	565.8(18.19)	4030.0(130.00)	0.0	184.64	137.37	24.0	0.886	201.35	130.00	6.35	276.08
40	4	4	30	270.9	34134.2	641.6(22.05)	3900.0(130.00)	0.0	180.05	129.63	24.0	0.883	204.74	130.00	6.35	272.59
41	4	5	31	268.7	32144.9	1172.7(37.83)	3162.0(102.00)	0.0	128.66	95.72	24.0	0.818	207.70	102.00	6.35	269.79
42	4	6	30	274.9	37987.1	974.2(324.74)	3900.0(130.00)	0.0	179.04	128.91	24.0	0.882	205.53	130.00	6.35	271.82
43	4	7	31	277.7	40690.1	6733.0(217.19)	4030.0(130.00)	0.0	184.96	137.61	24.0	0.886	201.12	130.00	6.35	276.32
44	4	8	31	280.7	43710.2	7050.1(227.42)	4030.0(130.00)	0.0	188.75	140.43	24.0	0.889	198.56	130.00	6.35	279.18
45	4	9	30	281.7	44726.3	6266.1(208.87)	5250.0(175.00)	0.0	261.37	188.18	24.0	0.905	196.90	175.00	6.33	281.16
46	4	10	31	284.8	48098.1	8796.9(283.77)	5425.0(175.00)	0.0	263.12	193.76	24.0	0.900	191.50	175.00	6.33	283.25
47	4	11	30	285.0	48220.6	3722.5(124.08)	3600.0(120.00)	0.0	168.32	121.19	24.0	0.830	192.08	120.00	6.35	284.90
48	4	12	31	283.2	46303.0	1244.4(40.14)	3162.0(102.00)	0.0	138.67	103.17	24.0	0.808	193.21	102.00	6.35	284.06
						3985.0(130.58)	4013.2(132.00)	0.0	168.26	117.35		0.872	603.1	4013.		278.38

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H	S	GIN	GG	GOUT	P	E	T	ETG	GCR	QUP	LOSS	SUIT
				(M)	(M3/SD)	(M3/SD)	(M3/SD)	(M3/SD)	(MW)	(GWH)	(CH)	(M3/S)	(M3/S)	(M3/S)	(M)	(M)
49	5	1	31	281.0	44017.9	876.9(28.29)	3162.0(102.00)	0.0	140.47	104.51	24.0	0.828	196.17	102.00	6.35	282.07
50	5	2	28	278.9	41866.9	705.0(25.18)	2856.0(102.00)	0.0	138.38	92.99	24.0	0.826	197.94	102.00	6.35	279.92
51	5	3	31	276.3	39340.3	635.4(20.50)	3162.0(102.00)	0.0	136.14	101.29	24.0	0.824	200.04	102.00	6.35	277.60
52	5	4	30	274.1	37174.6	894.3(28.81)	3060.0(102.00)	0.0	133.85	96.37	24.0	0.822	202.15	102.00	6.35	275.22
53	5	5	31	272.0	35167.5	1154.9(37.25)	3162.0(102.00)	0.0	131.77	98.04	24.0	0.820	204.28	102.00	6.35	273.04
54	5	6	30	269.2	33229.1	1121.6(37.39)	3060.0(102.00)	0.0	129.76	93.43	24.0	0.817	207.97	102.00	6.35	270.94
55	5	7	31	269.2	32600.4	2533.3(81.72)	3162.0(102.00)	0.0	128.43	95.53	24.0	0.817	207.97	102.00	6.35	269.53
56	5	8	31	271.2	34423.4	4987.0(160.87)	3162.0(102.00)	0.0	129.05	96.91	24.0	0.818	207.26	102.00	6.35	270.20
57	5	9	30	271.2	34233.4	3058.0(101.93)	3060.0(102.00)	0.0	130.00	93.60	24.0	0.819	206.19	102.00	6.35	271.19
58	5	10	31	273.7	36780.9	5499.5(171.40)	3162.0(102.00)	0.0	131.18	97.60	24.0	0.820	204.91	102.00	6.35	272.43
59	5	11	30	272.7	35844.4	2143.5(71.45)	3060.0(102.00)	0.0	131.91	94.97	24.0	0.821	205.14	102.00	6.35	273.19
60	5	12	31	270.6	33916.2	2070.3(67.63)	3162.0(102.00)	0.0	130.46	97.06	24.0	0.819	205.69	102.00	6.35	271.67
									132.62	96.79		0.821	6194.	3103.	6.35	273.92
61	6	1	31	268.2	31933.7	899.5(29.02)	3162.0(102.00)	0.0	128.29	95.45	24.0	0.817	208.14	102.00	6.35	269.40
62	6	2	28	265.7	29450.2	652.5(23.30)	2856.0(102.00)	0.0	130.01	87.37	24.0	0.842	214.40	102.00	6.35	266.91
63	6	3	31	262.7	26914.9	626.7(20.22)	3162.0(102.00)	0.0	127.61	94.94	24.0	0.841	214.40	102.00	6.35	264.18
64	6	4	30	259.9	24649.7	794.8(26.49)	3060.0(102.00)	0.0	125.10	90.07	24.0	0.840	212.38	102.00	6.35	261.32
65	6	5	31	257.1	22365.7	878.0(28.32)	3162.0(102.00)	0.0	122.63	91.24	24.0	0.839	210.37	102.00	6.35	258.51
66	6	6	30	256.6	22034.6	2728.9(90.96)	3060.0(102.00)	0.0	121.19	87.26	24.0	0.839	209.18	102.00	6.35	256.86
67	6	7	31	258.0	23107.6	4235.0(136.61)	3162.0(102.00)	0.0	121.60	90.47	24.0	0.839	209.52	102.00	6.35	257.33
68	6	8	31	258.4	23431.1	3485.5(112.44)	3162.0(102.00)	0.0	122.38	91.05	24.0	0.839	210.16	102.00	6.35	258.22
69	6	9	30	263.9	27901.4	7530.3(251.01)	3060.0(102.00)	0.0	124.94	89.96	24.0	0.840	212.26	102.00	6.35	261.14
70	6	10	31	268.8	32333.0	7493.7(241.73)	3162.0(102.00)	0.0	139.50	96.35	24.0	0.841	214.40	102.00	6.35	266.33
71	6	11	30	266.2	29951.1	778.1(25.94)	3060.0(102.00)	0.0	130.54	93.99	24.0	0.842	214.31	102.00	6.35	267.52
72	6	12	31	264.7	28602.5	1813.4(58.50)	3162.0(102.00)	0.0	128.73	95.78	24.0	0.841	214.40	102.00	6.35	265.46
									128.04	91.99		0.838	6447.	3103.	6.35	262.76
73	7	1	31	262.4	26831.7	1191.2(38.43)	3162.0(102.00)	0.0	127.03	94.51	24.0	0.841	213.94	102.00	6.35	263.32
74	7	2	28	260.0	24699.1	923.4(32.98)	2856.0(102.00)	0.0	124.98	83.98	24.0	0.840	212.28	102.00	6.35	261.18
75	7	3	31	257.0	22306.2	769.1(24.81)	3162.0(102.00)	0.0	122.63	91.23	24.0	0.839	210.36	102.00	6.35	258.50
76	7	4	30	253.8	19340.8	594.6(19.82)	3060.0(102.00)	0.0	119.89	86.32	24.0	0.839	208.10	102.00	6.35	255.37
77	7	5	31	250.9	17791.3	1112.5(35.89)	3162.0(102.00)	0.0	117.25	87.23	24.0	0.838	205.89	102.00	6.35	252.33
78	7	6	30	248.5	16084.8	1353.5(45.12)	3060.0(102.00)	0.0	114.96	82.77	24.0	0.837	203.95	102.00	6.35	249.72
79	7	7	31	246.4	14546.0	1723.2(55.59)	3162.0(102.00)	0.0	112.97	84.05	24.0	0.837	202.25	102.00	6.35	247.44
80	7	8	31	247.0	15048.9	3564.9(115.00)	3162.0(102.00)	0.0	112.31	83.56	24.0	0.836	201.68	102.00	6.35	246.68
81	7	9	30	256.3	21754.5	9765.6(325.52)	3060.0(102.00)	0.0	116.62	83.97	24.0	0.838	205.36	102.00	6.35	251.63
82	7	10	31	261.1	25617.9	7025.4(226.63)	3162.0(102.00)	0.0	122.81	91.37	24.0	0.840	210.51	102.00	6.35	258.71
83	7	11	30	261.6	25997.9	3440.0(114.67)	3060.0(102.00)	0.0	125.14	90.10	24.0	0.840	212.41	102.00	6.35	261.36
84	7	12	31	260.1	24760.8	1924.9(62.09)	3162.0(102.00)	0.0	124.68	92.76	24.0	0.840	212.04	102.00	6.35	260.84
									120.10	87.65		0.839	6333.	3103.	6.35	255.61
85	8	1	31	257.5	22723.4	1124.6(36.28)	3162.0(102.00)	0.0	122.89	91.43	24.0	0.840	210.58	102.00	6.35	258.80
86	8	2	28	255.2	20927.6	1060.2(33.86)	2856.0(102.00)	0.0	120.76	81.15	24.0	0.839	208.82	102.00	6.35	256.36
87	8	3	31	251.9	18505.9	740.3(23.88)	3162.0(102.00)	0.0	118.31	88.02	24.0	0.838	206.78	102.00	6.35	253.57
88	8	4	30	248.6	16331.8	685.9(22.86)	3060.0(102.00)	0.0	115.42	83.10	24.0	0.837	204.34	102.00	6.35	250.23
89	8	5	31	246.3	14560.9	1594.7(51.44)	3162.0(102.00)	0.0	112.95	84.03	24.0	0.837	202.23	102.00	6.35	247.42
90	8	6	30	246.3	14600.9	3096.4(103.21)	3060.0(102.00)	0.0	111.96	80.61	24.0	0.836	201.38	102.00	6.35	246.28
91	8	7	31	245.0	13734.7	2295.8(74.06)	3162.0(102.00)	0.0	111.41	82.89	24.0	0.836	200.90	102.00	6.35	245.65
92	8	8	31	244.2	13228.7	2656.0(85.68)	3162.0(102.00)	0.0	110.50	82.21	24.0	0.836	200.11	102.00	6.35	244.61
93	8	9	30	248.8	18267.4	6098.7(203.29)	3060.0(102.00)	0.0	112.15	80.74	24.0	0.836	200.54	102.00	6.35	246.49
94	8	10	31	254.7	20584.2	7478.8(241.25)	3162.0(102.00)	0.0	116.73	86.85	24.0	0.838	205.45	102.00	6.35	251.76
95	8	11	30	253.3	19526.9	2002.7(66.76)	3060.0(102.00)	0.0	118.72	85.48	24.0	0.838	207.13	102.00	6.35	254.04
96	8	12	31	252.3	18794.3	2429.4(78.37)	3162.0(102.00)	0.0	117.67	87.55	24.0	0.838	206.24	102.00	6.35	252.83
									115.79	84.51		0.837	6223.	3103.	6.35	250.67

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H	S	QIN	QQ	GOUT	P	E	T	ETG	GCR	QUP	LOSS	SUITI
				(M)	(M3/S)	(M3/S)	(M3/S)	(M3/S)	(MW)	(GWH)	(CH)	(M3/S)	(M3/S)	(M3/S)	(M)	(M)
97	9	1	31	249.9	17043.9	1411.6	(45.54)	3162.0	116.17	86.43	24.0	0.838	204.97	102.00	6.35	251.11
98	9	2	28	247.2	15187.7	999.8	(35.71)	2856.0	113.92	76.56	24.0	0.837	203.07	102.00	6.35	248.54
99	9	3	31	243.6	12852.5	826.9	(26.67)	3162.0	111.20	82.74	24.0	0.836	200.72	102.00	6.35	245.41
100	9	4	30	239.9	10507.0	714.5	(23.82)	3060.0	108.68	78.25	24.0	0.840	197.96	102.00	6.35	241.77
101	9	5	31	236.4	8414.2	1069.2	(34.49)	3162.0	105.91	78.80	24.0	0.842	195.11	102.00	6.35	238.16
102	9	6	30	237.2	8871.1	3516.9	(117.23)	3060.0	104.86	75.50	24.0	0.843	194.11	102.00	6.35	236.79
103	9	7	31	235.3	7759.5	2050.4	(66.14)	3162.0	104.42	77.69	24.0	0.843	193.67	102.00	6.35	236.23
104	9	8	31	236.9	8679.6	4082.1	(131.68)	3162.0	104.30	77.60	24.0	0.843	193.54	102.00	6.35	236.06
105	9	9	30	241.5	11198.4	5878.8	(195.96)	3060.0	106.70	76.82	24.0	0.842	195.97	102.00	6.35	239.18
106	9	10	31	248.1	15808.9	7472.5	(241.05)	3162.0	110.68	82.34	24.0	0.836	200.26	102.00	6.35	244.80
107	9	11	30	250.4	17418.5	4669.6	(155.65)	3060.0	114.55	82.48	24.0	0.837	203.60	102.00	6.35	249.26
108	9	12	31	247.8	15611.2	1354.7	(43.70)	3162.0	114.43	85.13	24.0	0.837	203.50	102.00	6.35	249.11
						2837.2	(93.14)	3102.5	109.65	80.03	24.0	0.840	604.8	3103.	6.35	243.04
109	10	1	31	244.6	13452.2	1003.0	(32.35)	3162.0	111.88	83.24	24.0	0.836	201.31	102.00	6.35	246.19
110	10	2	28	241.2	11296.7	700.5	(25.02)	2856.0	109.00	73.25	24.0	0.835	198.80	102.00	6.35	242.87
111	10	3	31	237.0	8791.2	656.5	(21.18)	3162.0	106.65	79.34	24.0	0.842	195.92	102.00	6.35	239.12
112	10	4	30	232.6	6258.9	527.7	(17.59)	3060.0	103.34	74.41	24.0	0.844	192.57	102.00	6.35	234.82
113	10	5	31	230.3	5035.4	1938.5	(62.53)	3162.0	100.74	74.95	24.0	0.846	189.91	102.00	6.35	231.47
114	10	6	30	238.0	9364.7	7389.3	(246.31)	3060.0	102.84	74.05	24.0	0.845	192.06	102.00	6.35	234.18
115	10	7	31	235.8	8077.4	1874.7	(60.47)	3162.0	104.96	78.09	24.0	0.843	194.21	102.00	6.35	236.92
116	10	8	31	239.0	9845.4	5030.0	(162.26)	3162.0	103.33	78.37	24.0	0.843	194.59	102.00	6.35	237.40
117	10	9	30	245.6	14110.5	7225.1	(240.84)	3060.0	109.07	78.53	24.0	0.840	198.34	102.00	6.35	242.28
118	10	10	31	250.8	17664.5	6716.0	(216.65)	3162.0	113.60	84.52	24.0	0.837	202.79	102.00	6.35	248.17
119	10	11	30	253.4	19383.6	4979.1	(165.97)	3060.0	117.02	84.25	24.0	0.838	205.69	102.00	6.35	252.08
120	10	12	31	251.3	18084.5	1662.9	(53.64)	3162.0	117.27	87.25	24.0	0.838	205.91	102.00	6.35	252.38
						3308.6	(108.73)	3102.5	108.47	79.19	24.0	0.841	601.2	3103.	6.35	241.49
121	11	1	31	248.5	16061.4	1158.0	(36.74)	3162.0	115.12	85.65	24.0	0.837	204.09	102.00	6.35	249.91
122	11	2	28	245.4	13775.5	770.1	(27.50)	2856.0	112.51	75.61	24.0	0.837	201.85	102.00	6.35	246.92
123	11	3	31	241.5	11468.4	654.9	(21.13)	3162.0	109.46	81.44	24.0	0.836	199.21	102.00	6.35	243.41
124	11	4	30	237.5	9050.6	642.2	(21.41)	3060.0	106.92	76.98	24.0	0.842	196.19	102.00	6.35	239.47
125	11	5	31	235.5	6740.8	852.2	(27.49)	3162.0	103.85	77.26	24.0	0.844	193.08	102.00	6.35	235.48
126	11	6	30	238.2	9458.3	5777.5	(192.58)	3060.0	104.11	74.96	24.0	0.844	193.35	102.00	6.35	235.82
127	11	7	31	242.2	11945.9	5649.6	(182.25)	3162.0	107.47	79.96	24.0	0.841	196.75	102.00	6.35	240.19
128	11	8	31	245.9	14318.4	5534.6	(178.54)	3162.0	110.02	81.85	24.0	0.836	199.69	102.00	6.35	244.05
129	11	9	30	255.2	20958.6	9700.2	(323.34)	3060.0	113.69	83.50	24.0	0.837	204.57	102.00	6.35	250.56
130	11	10	31	263.0	27332.0	9335.4	(301.14)	3162.0	123.15	91.62	24.0	0.840	210.79	102.00	6.35	259.10
131	11	11	30	264.7	28612.5	4540.5	(151.35)	3060.0	127.30	91.65	24.0	0.841	214.16	102.00	6.35	263.82
132	11	12	31	265.0	27191.8	1741.3	(56.17)	3162.0	127.33	94.73	24.0	0.841	214.18	102.00	6.35	263.86
						3861.4	(126.64)	3102.5	113.58	82.92	24.0	0.840	615.4	3103.	6.35	247.72
133	12	1	31	260.6	25148.5	1118.7	(36.09)	3162.0	125.51	93.38	24.0	0.840	212.72	102.00	6.35	261.79
134	12	2	28	258.0	23096.8	804.3	(28.72)	2856.0	123.31	82.87	24.0	0.840	210.92	102.00	6.35	259.28
135	12	3	31	254.8	20656.4	721.6	(23.28)	3162.0	120.81	89.88	24.0	0.839	208.86	102.00	6.35	256.42
136	12	4	30	251.7	18305.0	708.6	(23.62)	3060.0	118.03	84.98	24.0	0.838	206.55	102.00	6.35	253.25
137	12	5	31	249.2	16597.4	1454.4	(46.92)	3162.0	115.59	86.00	24.0	0.837	204.49	102.00	6.35	250.45
138	12	6	30	252.6	19027.3	5489.9	(183.00)	3060.0	116.03	83.54	24.0	0.838	204.86	102.00	6.35	250.95
139	12	7	31	257.1	22413.8	6548.5	(211.24)	3162.0	119.47	88.99	24.0	0.839	207.75	102.00	6.35	254.89
140	12	8	31	263.6	27667.0	8415.2	(271.46)	3162.0	124.26	92.45	24.0	0.840	211.70	102.00	6.35	260.36
141	12	9	30	269.2	32606.6	7999.6	(266.65)	3060.0	129.56	93.28	24.0	0.841	214.40	102.00	6.35	266.40
142	12	10	31	274.8	37616.9	8372.3	(270.07)	3162.0	130.76	97.39	24.0	0.819	205.36	102.00	6.35	271.99
143	12	11	30	275.2	38212.6	3455.7	(115.19)	3060.0	133.62	96.20	24.0	0.822	202.39	102.00	6.35	274.97
144	12	12	31	273.3	36441.7	1391.1	(44.87)	3162.0	132.93	98.90	24.0	0.821	203.08	102.00	6.35	274.26
						3873.3	(126.76)	3102.5	124.16	90.64	24.0	0.835	631.9	3103.	6.35	261.25

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (M3)	E (GWH)	T (H)	ETG (M3/S)	OCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)
145	13	1	31	271.0	34223.6	943.9	30.45	3162.0	0.0	130.92	24.0	0.820	205.19	102.00	6.35	272.16
146		2	28	268.7	32168.4	800.9	28.60	2856.0	0.0	128.72	24.0	0.818	207.64	102.00	6.35	269.85
147		3	31	266.0	29716.5	710.1	22.91	3162.0	0.0	130.39	24.0	0.842	214.40	102.00	6.35	267.35
148		4	30	263.2	27328.1	671.6	22.39	3060.0	0.0	127.96	24.0	0.841	214.40	102.00	6.35	264.58
149		5	31	261.4	25820.3	1654.2	53.36	3162.0	0.0	125.94	24.0	0.840	213.07	102.00	6.35	262.28
150		6	30	261.2	25701.6	2841.3	98.04	3060.0	0.0	125.09	24.0	0.840	212.37	102.00	6.35	261.31
151		7	31	263.4	27477.4	4937.8	159.28	3162.0	0.0	125.96	24.0	0.840	213.08	102.00	6.35	262.30
152		8	31	264.2	28147.6	3832.0	123.63	3162.0	0.0	127.24	24.0	0.841	214.11	102.00	6.35	263.76
153		9	30	276.6	39647.6	15400.0	513.33	3900.0	0.0	177.17	24.0	0.881	207.04	130.00	6.35	270.40
154		10	31	281.7	44772.9	9155.3	1295.53	4030.0	0.0	188.74	24.0	0.889	198.57	130.00	6.35	279.17
155		11	30	285.0	48220.4	7347.5	4244.92	3900.0	0.0	188.68	24.0	0.867	194.35	130.00	6.35	283.33
156		12	31	283.7	46833.0	1774.6	57.25	3162.0	0.0	138.89	24.0	0.808	193.01	102.00	6.35	284.31
						4480.8	137.46	3114.8	0.0	142.97	24.0	0.844	606.1	3103.	6.35	270.06
157	14	1	31	281.8	44835.4	1164.4	37.56	3162.0	0.0	137.46	24.0	0.807	195.65	102.00	6.35	282.71
158		2	28	279.7	42739.4	760.0	27.14	2856.0	0.0	139.18	24.0	0.827	197.25	102.00	6.35	280.74
159		3	31	277.3	40280.7	703.3	22.69	3162.0	0.0	137.02	24.0	0.825	199.16	102.00	6.35	278.50
160		4	30	274.9	37956.1	735.4	24.51	3060.0	0.0	134.70	24.0	0.823	201.32	102.00	6.35	276.10
161		5	31	273.3	36401.4	1607.3	51.85	3162.0	0.0	132.78	24.0	0.821	203.23	102.00	6.35	274.10
162		6	30	274.1	37146.3	3804.9	126.83	3060.0	0.0	132.38	24.0	0.821	203.64	102.00	6.35	273.68
163		7	31	275.1	38128.2	4143.9	133.67	3162.0	0.0	133.24	24.0	0.822	202.76	102.00	6.35	274.58
164		8	31	276.7	39705.7	4739.5	152.89	3162.0	0.0	134.50	24.0	0.823	202.51	102.00	6.35	275.90
165		9	30	278.1	41097.8	4452.1	148.40	3060.0	0.0	135.95	24.0	0.824	200.22	102.00	6.35	277.40
166		10	31	283.8	47003.9	9068.1	1292.52	3162.0	0.0	139.39	24.0	0.827	197.07	102.00	6.35	280.96
167		11	30	283.6	46766.1	2822.2	94.07	3060.0	0.0	138.35	24.0	0.808	193.75	102.00	6.35	283.71
168		12	31	282.0	45065.5	1461.4	47.14	3162.0	0.0	137.53	24.0	0.807	195.59	102.00	6.35	282.79
						2955.2	96.61	3102.5	0.0	136.04	24.0	0.820	606.1	3103.	6.35	278.43
169	15	1	31	279.8	42848.4	944.9	30.48	3162.0	0.0	139.34	24.0	0.827	197.11	102.00	6.35	280.91
170		2	28	277.7	40686.9	694.6	24.81	2856.0	0.0	137.27	24.0	0.825	198.93	102.00	6.35	278.76
171		3	31	275.0	38064.8	539.9	17.42	3162.0	0.0	134.95	24.0	0.823	201.08	102.00	6.35	276.36
172		4	30	272.5	35678.6	673.8	22.46	3060.0	0.0	132.47	24.0	0.821	203.55	102.00	6.35	273.78
173		5	31	271.2	34387.9	1871.3	60.36	3162.0	0.0	130.62	24.0	0.819	205.51	102.00	6.35	271.84
174		6	30	271.3	34497.0	3169.1	105.64	3060.0	0.0	130.02	24.0	0.819	205.17	102.00	6.35	271.21
175		7	31	271.8	34969.1	3634.1	117.23	3162.0	0.0	130.31	24.0	0.819	205.85	102.00	6.35	271.52
176		8	31	271.9	35098.5	3891.4	106.17	3162.0	0.0	130.62	24.0	0.819	205.51	102.00	6.35	271.84
177		9	30	273.3	36383.8	4345.3	144.84	3060.0	0.0	131.34	24.0	0.820	204.74	102.00	6.35	272.59
178		10	31	278.2	41211.2	7989.4	1357.72	3162.0	0.0	134.36	24.0	0.823	201.65	102.00	6.35	275.75
179		11	30	277.8	40804.0	2852.8	88.43	3060.0	0.0	136.54	24.0	0.823	199.59	102.00	6.35	278.01
180		12	31	276.9	39890.1	2248.1	72.52	3162.0	0.0	135.90	24.0	0.824	200.27	102.00	6.35	277.35
						2671.2	87.34	3102.5	0.0	133.64	24.0	0.822	616.0	3103.	6.35	274.99
181	16	1	31	275.1	38114.4	1386.3	44.72	3162.0	0.0	134.59	24.0	0.823	201.43	102.00	6.35	275.98
182		2	28	273.0	36181.2	902.8	32.24	2856.0	0.0	132.74	24.0	0.821	203.27	102.00	6.35	274.06
183		3	31	270.4	33660.8	671.6	21.66	3162.0	0.0	130.49	24.0	0.819	203.65	102.00	6.35	271.71
184		4	30	267.6	31175.4	564.6	18.82	3060.0	0.0	127.91	24.0	0.817	203.49	102.00	6.35	269.00
185		5	31	265.2	29037.2	1023.8	33.03	3162.0	0.0	129.56	24.0	0.841	214.40	102.00	6.35	266.40
186		6	30	264.2	28172.9	2193.7	73.19	3060.0	0.0	128.03	24.0	0.841	214.40	102.00	6.35	264.68
187		7	31	264.6	28504.8	3493.9	112.71	3162.0	0.0	127.78	24.0	0.841	214.40	102.00	6.35	264.37
188		8	31	262.1	26385.2	1042.4	33.63	3162.0	0.0	126.85	24.0	0.841	213.80	102.00	6.35	263.31
189		9	30	266.1	29848.2	6923.0	1217.43	3060.0	0.0	127.53	24.0	0.841	214.35	102.00	6.35	264.09
190		10	31	268.7	32188.9	5502.7	1177.51	3162.0	0.0	130.47	24.0	0.842	213.41	102.00	6.35	267.43
191		11	30	267.8	31295.0	2166.1	72.20	3060.0	0.0	131.19	24.0	0.842	213.41	102.00	6.35	268.25
192		12	31	265.8	29572.5	1439.5	46.44	3162.0	0.0	129.89	24.0	0.842	214.40	102.00	6.35	266.78
						2242.7	73.63	3102.5	0.0	129.75	24.0	0.834	643.0	3103.	6.35	268.01

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 MD)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	GG (M3/SD)	GOUT (M3/SD)	P (MW)	E (GMWH)	T (H)	ETG (M3/S)	GCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)
193	17	1	31	263.3	27401.1	990.6	31.95	3162.0	0.0	127.92	24.0	0.841	216.40	102.00	6.35	264.54
194	2	28	260.6	25211.2	666.1	23.79	2856.0	0.0	125.66	84.44	24.0	0.840	213.83	102.00	6.35	261.95
195	3	31	257.4	22591.6	542.4	17.50	3162.0	0.0	123.06	91.56	24.0	0.840	210.72	102.00	6.35	259.00
196	4	30	253.9	19966.5	435.0	14.50	3060.0	0.0	120.12	86.49	24.0	0.839	208.29	102.00	6.35	255.64
197	5	31	250.7	17647.0	842.5	27.18	3162.0	0.0	117.23	87.22	24.0	0.838	205.87	102.00	6.35	252.33
198	6	30	252.9	19228.7	644.1	7.154	3060.0	0.0	116.80	84.09	24.0	0.838	205.51	102.00	6.35	251.85
199	7	31	251.4	18105.3	2038.6	65.76	3162.0	0.0	117.08	87.11	24.0	0.838	205.74	102.00	6.35	252.15
200	8	31	248.2	15897.1	953.8	30.77	3162.0	0.0	115.03	85.58	24.0	0.837	204.01	102.00	6.35	249.81
201	9	30	252.4	18814.5	5977.4	199.25	3060.0	0.0	115.46	83.13	24.0	0.837	204.37	102.00	6.35	250.30
202	10	31	259.7	24449.4	8796.9	4283.77	3162.0	0.0	120.46	89.63	24.0	0.839	208.58	102.00	6.35	256.03
203	11	30	261.1	25571.8	4182.4	139.41	3060.0	0.0	124.28	89.48	24.0	0.840	211.73	102.00	6.35	260.39
204	12	31	259.7	24474.3	2064.5	66.60	3162.0	0.0	124.29	92.48	24.0	0.840	211.73	102.00	6.35	260.40
					2677.7	87.93	3102.5	0.0	120.62	88.03		0.839	6346.	3103.	6.35	256.20
205	18	1	257.5	22706.0	1393.7	44.86	3162.0	0.0	122.73	91.31	24.0	0.840	210.45	102.00	6.35	258.62
206	2	28	255.0	20807.7	957.7	34.20	2856.0	0.0	120.68	81.10	24.0	0.839	208.75	102.00	6.35	256.27
207	3	31	251.9	18450.9	805.2	25.97	3162.0	0.0	118.21	87.95	24.0	0.838	206.70	102.00	6.35	253.45
208	4	30	248.5	16087.6	696.7	23.22	3060.0	0.0	115.36	83.06	24.0	0.837	204.29	102.00	6.35	250.18
209	5	31	246.9	14985.9	2060.3	66.46	3162.0	0.0	113.19	84.22	24.0	0.837	203.44	102.00	6.35	247.70
210	6	30	242.8	12333.3	407.4	13.58	3060.0	0.0	110.72	79.72	24.0	0.836	200.30	102.00	6.35	244.86
211	7	31	244.5	13399.1	4227.8	136.58	3162.0	0.0	109.67	81.60	24.0	0.836	199.39	102.00	6.35	243.65
212	8	31	245.2	15878.6	3641.5	61.17	3162.0	0.0	110.71	82.37	24.0	0.836	200.30	102.00	6.35	244.85
213	9	30	252.3	18791.5	7972.9	265.76	3060.0	0.0	114.13	82.17	24.0	0.837	203.24	102.00	6.35	248.77
214	10	31	257.2	22474.9	6845.4	220.82	3162.0	0.0	119.36	88.81	24.0	0.839	210.66	102.00	6.35	254.77
215	11	30	259.0	23881.5	4466.7	148.89	3060.0	0.0	122.28	88.04	24.0	0.839	210.07	102.00	6.35	258.10
216	12	31	258.2	23283.9	2564.4	82.72	3162.0	0.0	122.73	91.31	24.0	0.840	210.45	102.00	6.35	258.61
					3003.3	98.37	3102.5	0.0	116.65	85.14		0.838	6245.	3103.	6.35	251.65
217	19	1	256.2	21706.0	1584.1	51.10	3162.0	0.0	121.51	90.41	24.0	0.839	209.45	102.00	6.35	257.23
218	2	28	253.9	19937.2	1087.2	38.83	2856.0	0.0	119.61	80.38	24.0	0.839	207.86	102.00	6.35	255.05
219	3	31	250.7	17611.2	836.0	26.97	3162.0	0.0	117.19	87.19	24.0	0.838	205.84	102.00	6.35	252.28
220	4	30	247.5	15370.5	819.3	27.31	3060.0	0.0	114.39	82.36	24.0	0.837	203.46	102.00	6.35	249.07
221	5	31	243.7	12880.8	672.3	21.69	3162.0	0.0	111.34	82.84	24.0	0.836	200.84	102.00	6.35	245.57
222	6	30	247.3	15274.5	5453.7	181.79	3060.0	0.0	111.28	80.12	24.0	0.836	200.79	102.00	6.35	245.50
223	7	31	248.7	16224.1	4111.6	132.63	3162.0	0.0	113.47	84.42	24.0	0.837	203.67	102.00	6.35	248.01
224	8	31	248.8	16271.4	3209.3	103.53	3162.0	0.0	114.10	84.89	24.0	0.837	203.22	102.00	6.35	248.74
225	9	30	257.4	22620.0	9408.6	6313.62	3060.0	0.0	117.89	84.88	24.0	0.838	206.43	102.00	6.35	253.09
226	10	31	262.4	26649.1	7191.1	231.97	3162.0	0.0	123.84	92.14	24.0	0.840	211.36	102.00	6.35	259.89
227	11	30	262.4	26692.7	3103.6	103.45	3060.0	0.0	126.05	90.76	24.0	0.840	213.15	102.00	6.35	262.40
228	12	31	261.3	25725.1	2194.4	70.79	3162.0	0.0	125.56	93.42	24.0	0.840	212.76	102.00	6.35	261.84
					3305.9	108.64	3102.5	0.0	118.02	86.15		0.838	6280.	3103.	6.35	253.22
229	20	1	259.1	23958.1	1395.0	45.00	3162.0	0.0	124.09	92.33	24.0	0.840	211.56	102.00	6.35	260.17
230	2	28	256.7	22107.9	1005.8	35.92	2856.0	0.0	122.11	82.06	24.0	0.839	209.94	102.00	6.35	257.91
231	3	31	253.6	19751.1	805.2	25.97	3162.0	0.0	119.73	89.08	24.0	0.839	207.96	102.00	6.35	255.18
232	4	30	250.7	17630.2	939.1	31.30	3060.0	0.0	117.10	84.31	24.0	0.838	205.76	102.00	6.35	252.17
233	5	31	248.3	15941.3	1473.1	47.52	3162.0	0.0	114.77	85.39	24.0	0.837	203.79	102.00	6.35	249.51
234	6	30	251.1	17874.9	4993.6	166.45	3060.0	0.0	114.92	82.74	24.0	0.837	203.91	102.00	6.35	249.68
235	7	31	248.8	16256.4	1543.5	49.79	3162.0	0.0	115.12	85.65	24.0	0.837	204.08	102.00	6.35	249.91
236	8	31	246.2	14513.0	1418.6	45.76	3162.0	0.0	112.99	84.07	24.0	0.837	202.27	102.00	6.35	247.47
237	9	30	245.6	14111.7	2658.7	88.62	3060.0	0.0	111.61	80.36	24.0	0.836	201.07	102.00	6.35	245.87
238	10	31	247.6	15459.8	4510.1	145.49	3162.0	0.0	112.22	83.49	24.0	0.836	201.60	102.00	6.35	246.58
239	11	30	246.1	14438.8	2039.0	67.97	3060.0	0.0	112.44	80.95	24.0	0.837	201.79	102.00	6.35	246.83
240	12	31	244.3	13272.5	1995.7	64.38	3162.0	0.0	111.00	82.58	24.0	0.836	200.54	102.00	6.35	245.18
					2064.8	67.85	3102.5	0.0	115.67	84.42		0.837	6220.	3103.	6.35	250.54

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (MM)	E (GWH)	T (CH)	ETG (M3/S)	GCR (M3/S)	QUIP (M3/S)	LOSS (M)	SUIT (M)
241	21	1	31	241.5	11469.3	1358.8	(43.83) 3162.0(102.00)	0.0	109.00	81.09	24.0	0.835	198.80	102.00	6.35	242.87
242		2	26	238.4	9601.1	987.8	(35.28) 2856.0(102.00)	0.0	107.27	72.09	24.0	0.841	196.55	102.00	6.35	239.94
243		3	31	234.2	7175.9	736.9	(23.77) 3162.0(102.00)	0.0	104.50	77.75	24.0	0.843	193.75	102.00	6.35	236.35
244		4	30	230.4	5065.2	949.3	(31.64) 3060.0(102.00)	0.0	101.40	73.01	24.0	0.846	190.59	102.00	6.35	232.32
245		5	31	227.5	3573.1	1669.9	(53.87) 3162.0(102.00)	0.0	98.79	73.50	24.0	0.848	187.90	102.00	6.35	228.96
246		6	30	235.0	7585.6	7072.5	(235.75) 3060.0(102.00)	0.0	100.57	72.41	24.0	0.846	189.73	102.00	6.35	231.24
247		7	31	238.4	9586.7	5163.1	(166.55) 3162.0(102.00)	0.0	104.77	77.95	24.0	0.843	194.02	102.00	6.35	236.68
248		8	31	250.2	17290.8	8086.6	(1350.52) 3162.0(102.00)	0.0	110.25	82.02	24.0	0.836	199.89	102.00	6.35	244.31
249		9	30	262.2	26333.2	12302.4	(410.08) 3060.0(102.00)	0.0	120.65	86.87	24.0	0.839	208.73	102.00	6.35	256.24
250		10	31	269.7	33008.3	9637.1	(310.87) 3162.0(102.00)	0.0	129.16	96.10	24.0	0.841	214.40	102.00	6.35	265.94
251		11	30	273.2	36325.4	6377.1	(212.57) 3060.0(102.00)	0.0	130.23	93.76	24.0	0.819	205.94	102.00	6.35	271.43
252		12	31	271.1	34371.4	1208.0	(38.97) 3162.0(102.00)	0.0	130.94	97.42	24.0	0.820	205.17	102.00	6.35	272.17
						4860.7	(159.48) 3102.5(102.00)	0.0	112.29	82.00		0.838	6047.1	3103.	6.35	246.54
253	22	1	31	268.7	32104.6	895.2	(28.88) 3162.0(102.00)	0.0	128.76	95.80	24.0	0.818	207.59	102.00	6.35	269.90
254		2	28	266.2	29881.4	632.8	(22.60) 2856.0(102.00)	0.0	130.45	87.66	24.0	0.842	214.40	102.00	6.35	267.41
255		3	31	263.2	27319.3	599.9	(19.35) 3162.0(102.00)	0.0	128.04	95.26	24.0	0.841	214.40	102.00	6.35	264.66
256		4	30	260.0	24707.9	448.6	(14.95) 3060.0(102.00)	0.0	125.34	90.25	24.0	0.840	212.58	102.00	6.35	261.60
257		5	31	257.0	22289.2	743.3	(25.98) 3162.0(102.00)	0.0	122.62	91.23	24.0	0.839	210.36	102.00	6.35	258.49
258		6	30	260.4	25005.1	5775.9	(192.53) 3060.0(102.00)	0.0	122.78	88.40	24.0	0.840	210.49	102.00	6.35	258.68
259		7	31	259.8	24228.3	2682.5	(86.53) 3162.0(102.00)	0.0	124.02	92.27	24.0	0.840	211.50	102.00	6.35	260.09
260		8	31	259.4	24228.3	2864.7	(92.41) 3162.0(102.00)	0.0	123.60	91.96	24.0	0.840	211.16	102.00	6.35	259.61
261		9	30	261.4	25857.7	4689.4	(156.31) 3060.0(102.00)	0.0	124.51	89.51	24.0	0.840	211.74	102.00	6.35	260.42
262		10	31	261.9	26224.1	3528.6	(113.83) 3162.0(102.00)	0.0	125.38	93.29	24.0	0.840	212.61	102.00	6.35	261.64
263		11	30	258.2	23261.1	96.8	(3.23) 3060.0(102.00)	0.0	123.98	89.26	24.0	0.840	211.47	102.00	6.35	260.04
264		12	31	255.7	21338.2	1219.2	(39.33) 3162.0(102.00)	0.0	121.28	90.23	24.0	0.839	209.25	102.00	6.35	256.96
						2014.7	(66.16) 3102.5(102.00)	0.0	125.05	91.26		0.838	6431.1	3103.	6.35	261.62
265	23	1	31	252.7	19034.9	878.7	(28.35) 3162.0(102.00)	0.0	118.85	88.43	24.0	0.838	207.23	102.00	6.35	254.19
266		2	28	249.5	16800.2	621.3	(22.19) 2856.0(102.00)	0.0	116.16	78.06	24.0	0.838	204.97	102.00	6.35	251.10
267		3	31	245.4	14001.3	363.1	(11.71) 3162.0(102.00)	0.0	112.99	84.07	24.0	0.837	202.27	102.00	6.35	247.47
268		4	30	241.1	11334.7	293.4	(9.78) 3060.0(102.00)	0.0	109.32	78.71	24.0	0.836	199.08	102.00	6.35	243.24
269		5	31	238.0	9384.6	1311.9	(42.32) 3162.0(102.00)	0.0	106.99	79.60	24.0	0.841	196.26	102.00	6.35	239.57
270		6	30	245.5	14061.5	7736.9	(257.90) 3060.0(102.00)	0.0	108.68	78.25	24.0	0.840	197.96	102.00	6.35	241.77
271		7	31	243.4	12727.9	1828.4	(58.98) 3162.0(102.00)	0.0	110.38	82.13	24.0	0.836	200.01	102.00	6.35	244.47
272		8	31	242.5	12096.1	2530.2	(81.62) 3162.0(102.00)	0.0	109.06	81.14	24.0	0.836	198.86	102.00	6.35	242.95
273		9	30	242.0	11789.7	2753.6	(91.79) 3060.0(102.00)	0.0	109.02	78.49	24.0	0.840	198.29	102.00	6.35	242.21
274		10	31	245.2	13854.2	5226.5	(168.60) 3162.0(102.00)	0.0	109.60	81.55	24.0	0.836	199.53	102.00	6.35	243.57
275		11	30	245.9	14344.6	3550.4	(128.35) 3060.0(102.00)	0.0	111.32	80.15	24.0	0.836	200.83	102.00	6.35	245.55
276		12	31	244.1	13351.8	1969.3	(63.52) 3162.0(102.00)	0.0	110.86	82.48	24.0	0.836	200.42	102.00	6.35	245.01
						2422.0	(79.59) 3102.5(102.00)	0.0	111.10	81.09		0.837	6097.1	3103.	6.35	245.09
277	24	1	31	241.0	11175.9	1186.1	(38.26) 3162.0(102.00)	0.0	108.71	80.88	24.0	0.835	198.55	102.00	6.35	242.54
278		2	28	237.7	9192.1	872.2	(31.15) 2856.0(102.00)	0.0	106.83	71.79	24.0	0.842	196.10	102.00	6.35	239.36
279		3	31	233.4	6704.4	674.3	(17.75) 3162.0(102.00)	0.0	103.91	77.31	24.0	0.844	193.15	102.00	6.35	235.57
280		4	30	228.7	4172.4	528.0	(17.60) 3060.0(102.00)	0.0	100.42	72.30	24.0	0.846	189.58	102.00	6.35	231.05
281		5	31	224.9	2261.0	1250.6	(40.34) 3162.0(102.00)	0.0	97.09	72.24	24.0	0.849	186.14	102.00	6.35	226.78
282		6	30	236.3	8364.9	9163.9	(309.46) 3060.0(102.00)	0.0	100.07	72.05	24.0	0.847	189.22	102.00	6.35	230.60
283		7	31	241.8	11896.5	6493.6	(209.47) 3162.0(102.00)	0.0	106.61	79.32	24.0	0.842	195.88	102.00	6.35	239.07
284		8	31	248.7	16192.2	7657.7	(247.02) 3162.0(102.00)	0.0	111.05	82.62	24.0	0.838	206.52	102.00	6.35	245.24
285		9	30	257.2	22488.2	9356.0	(311.87) 3060.0(102.00)	0.0	117.77	84.79	24.0	0.838	206.52	102.00	6.35	252.94
286		10	31	263.2	27338.9	8024.8	(258.48) 3162.0(102.00)	0.0	124.13	92.35	24.0	0.840	211.59	102.00	6.35	260.21
287		11	30	266.1	29803.0	5524.1	(184.14) 3060.0(102.00)	0.0	128.01	92.16	24.0	0.841	214.40	102.00	6.35	264.63
288		12	31	264.1	28131.9	1490.9	(48.09) 3162.0(102.00)	0.0	128.42	95.54	24.0	0.841	214.40	102.00	6.35	265.10
						4350.8	(142.80) 3102.5(102.00)	0.0	111.08	81.11		0.842	6074.1	3103.	6.35	244.42

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H	S	GIN	QG	GOUT	P	E	T	ETG	QCR	QUP	LOSS	SUII
				(M)	(M3/SD)	(M3/SD)	(M3/SD)	(M3/SD)	(CMW)	(GWH)	(H)	(M3/S)	(M3/S)	(M3/S)	(CM)	(M)
289	25	1	31	261.5	25943.6	973.7	31.41	3162.0	126.42	94.06	24.0	0.841	213.46	102.00	6.35	262.83
290	25	2	28	259.0	23872.7	785.1	28.04	2856.0	124.16	83.44	24.0	0.840	211.62	102.00	6.35	260.25
291	25	3	31	255.9	21478.9	768.2	24.78	3162.0	121.71	90.55	24.0	0.839	209.61	102.00	6.35	257.45
292	25	4	30	253.0	19273.5	854.6	28.49	3060.0	119.09	85.74	24.0	0.838	207.43	102.00	6.35	254.45
293	25	5	31	250.9	17760.0	1648.5	53.18	3162.0	116.89	86.97	24.0	0.838	205.59	102.00	6.35	251.94
294	25	6	30	247.8	15607.4	907.4	30.25	3060.0	114.63	82.54	24.0	0.837	203.67	102.00	6.35	249.35
295	25	7	31	244.6	13482.6	1007.2	32.49	3162.0	111.88	83.24	24.0	0.836	201.30	102.00	6.35	246.19
296	25	8	30	240.3	10728.3	437.7	14.12	3162.0	108.60	80.80	24.0	0.835	198.45	102.00	6.35	242.41
297	25	9	30	245.3	13909.4	624.1	12.08	3060.0	108.90	78.41	24.0	0.835	198.71	102.00	6.35	242.76
298	25	10	31	252.9	19241.5	8494.1	274.00	3162.0	114.42	85.13	24.0	0.837	203.49	102.00	6.35	249.10
299	25	11	30	255.7	21315.9	5134.4	171.15	3060.0	118.98	85.66	24.0	0.838	207.34	102.00	6.35	254.33
300	25	12	31	253.9	19936.3	1782.4	57.50	3162.0	119.39	88.82	24.0	0.839	207.68	102.00	6.35	254.79
						2419.5	79.45	3102.5	117.09	85.45	24.0	0.838	206.06	3103.	6.35	252.16
301	26	1	31	251.3	18035.2	1260.9	40.67	3162.0	117.45	87.38	24.0	0.838	206.06	102.00	6.35	252.58
302	26	2	28	248.4	16030.6	851.4	30.41	2856.0	115.07	77.33	24.0	0.837	204.04	102.00	6.35	249.85
303	26	3	31	244.8	13591.9	723.3	23.33	3162.0	112.24	83.51	24.0	0.836	201.62	102.00	6.35	246.60
304	26	4	30	241.3	11395.7	863.8	28.79	3060.0	109.16	78.59	24.0	0.836	198.94	102.00	6.35	243.06
305	26	5	31	239.6	10337.5	2103.8	67.86	3162.0	107.70	80.15	24.0	0.841	196.97	102.00	6.35	240.49
306	26	6	30	252.6	18944.5	511687.0	389.57	3060.0	111.80	80.49	24.0	0.836	201.24	102.00	6.35	246.10
307	26	7	31	257.1	22388.2	6585.7	212.44	3162.0	119.42	88.85	24.0	0.839	207.71	102.00	6.35	254.83
308	26	8	31	264.0	28031.0	8794.9	283.71	3162.0	124.42	92.57	24.0	0.840	211.83	102.00	6.35	260.55
309	26	9	30	272.1	35278.7	71037.7	345.92	3060.0	131.02	94.33	24.0	0.842	213.65	102.00	6.35	268.05
310	26	10	31	278.4	41379.6	9262.9	298.80	3162.0	133.88	99.60	24.0	0.822	202.13	102.00	6.35	275.24
311	26	11	30	279.6	42360.5	4240.9	141.36	3060.0	137.48	98.97	24.0	0.825	198.75	102.00	6.35	278.97
312	26	12	31	278.6	41563.9	2165.4	69.85	3162.0	137.55	102.34	24.0	0.826	198.68	102.00	6.35	279.06
						4904.8	160.89	3102.5	121.43	88.67	24.0	0.835	206.06	3103.	6.35	257.95
313	27	1	31	276.8	39787.6	1385.7	44.70	3162.0	136.22	101.35	24.0	0.824	199.98	102.00	6.35	277.68
314	27	2	28	274.8	37867.3	935.7	33.42	2856.0	134.42	90.33	24.0	0.823	201.60	102.00	6.35	275.80
315	27	3	31	272.2	35352.4	647.1	20.87	3162.0	132.21	98.36	24.0	0.821	203.82	102.00	6.35	273.50
316	27	4	30	269.8	33135.3	842.9	28.10	3060.0	129.80	93.46	24.0	0.819	206.41	102.00	6.35	270.99
317	27	5	31	267.0	30858.6	685.3	22.11	3162.0	127.35	94.75	24.0	0.816	213.21	102.00	6.35	268.41
318	27	6	30	265.9	29629.1	2030.5	67.68	3060.0	127.61	93.32	24.0	0.841	214.40	102.00	6.35	266.45
319	27	7	31	264.6	28529.6	2062.5	66.53	3162.0	128.53	95.63	24.0	0.841	214.40	102.00	6.35	265.23
320	27	8	31	263.8	27816.3	2448.7	78.99	3162.0	127.61	94.94	24.0	0.841	214.40	102.00	6.35	264.18
321	27	9	30	270.4	33682.8	8926.5	297.55	3060.0	130.16	93.71	24.0	0.842	214.40	102.00	6.35	267.07
322	27	10	31	276.9	39920.4	9399.7	303.22	3162.0	132.35	98.47	24.0	0.821	203.67	102.00	6.35	273.65
323	27	11	30	278.0	40997.0	4136.6	137.89	3060.0	136.01	97.93	24.0	0.824	200.17	102.00	6.35	277.46
324	27	12	31	277.1	40070.9	2235.9	72.13	3162.0	136.08	101.25	24.0	0.824	200.10	102.00	6.35	277.54
						2978.1	97.76	3102.5	131.70	96.12	24.0	0.828	206.06	3103.	6.35	271.50
325	28	1	31	275.3	38294.1	1385.2	44.68	3162.0	134.76	100.26	24.0	0.823	201.26	102.00	6.35	276.17
326	28	2	28	273.2	36355.1	917.0	32.75	2856.0	132.93	89.33	24.0	0.821	203.08	102.00	6.35	274.25
327	28	3	31	270.6	33836.3	643.2	20.75	3162.0	130.67	97.22	24.0	0.819	205.45	102.00	6.35	271.90
328	28	4	30	267.8	31366.0	589.7	19.66	3060.0	128.10	92.23	24.0	0.817	208.36	102.00	6.35	269.19
329	28	5	31	265.4	29234.1	1030.1	33.23	3162.0	129.76	96.54	24.0	0.842	214.40	102.00	6.35	266.62
330	28	6	30	265.7	29458.0	3283.9	109.46	3060.0	128.81	92.74	24.0	0.841	214.40	102.00	6.35	265.54
331	28	7	31	265.3	29166.7	2870.7	92.60	3162.0	128.77	95.81	24.0	0.841	214.40	102.00	6.35	265.50
332	28	8	31	266.6	30303.0	4298.3	138.65	3162.0	129.20	96.12	24.0	0.841	214.40	102.00	6.35	265.98
333	28	9	30	268.6	32060.6	4817.6	160.59	3060.0	130.64	94.06	24.0	0.842	214.18	102.00	6.35	267.62
334	28	10	31	270.2	33493.3	4596.7	148.28	3162.0	128.29	95.45	24.0	0.817	208.14	102.00	6.35	269.40
335	28	11	30	269.0	32408.3	1973.0	65.77	3060.0	128.47	92.50	24.0	0.817	207.93	102.00	6.35	269.59
336	28	12	31	266.2	29886.4	640.1	20.65	3162.0	130.60	97.16	24.0	0.842	214.24	102.00	6.35	267.58
						2253.8	73.92	3102.5	130.08	94.95	24.0	0.830	206.06	3103.	6.35	269.11

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QG (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG (M3/S)	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
337	29	1	31	263.2	27338.4	614.0	(19.81)	3162.0	128.05	95.27	24.0	0.841	214.40	102.00	6.35	264.68
338	2	31	260.2	24891.7	409.3	(14.82)	2856.0	0.0	125.45	84.30	24.0	0.840	212.67	102.00	6.35	261.72
339	3	31	256.8	22159.4	429.7	(13.86)	3162.0	0.0	122.65	91.25	24.0	0.839	210.38	102.00	6.35	258.52
340	4	30	253.5	19632.0	532.6	(17.75)	3060.0	0.0	119.69	86.17	24.0	0.839	207.93	102.00	6.35	255.14
341	5	31	250.5	17494.1	1024.1	(33.04)	3162.0	0.0	116.94	87.00	24.0	0.838	205.63	102.00	6.35	252.00
342	6	30	253.5	19662.8	528.8	(17.74)	3060.0	0.0	116.96	84.21	24.0	0.838	205.64	102.00	6.35	252.02
343	7	31	253.0	19314.9	2814.1	(90.78)	3162.0	0.0	118.06	87.84	24.0	0.838	204.57	102.00	6.35	253.28
344	8	31	252.8	19115.3	2962.4	(95.54)	3162.0	0.0	117.74	87.60	24.0	0.838	204.57	102.00	6.35	252.91
345	9	30	258.0	23090.8	7035.5	(234.52)	3060.0	0.0	119.90	86.33	24.0	0.839	206.11	102.00	6.35	255.38
346	10	31	263.5	27573.7	7444.9	(246.61)	3162.0	0.0	124.59	92.69	24.0	0.840	211.97	102.00	6.35	260.73
347	11	30	263.1	27253.3	2739.6	(91.32)	3060.0	0.0	126.82	91.31	24.0	0.841	213.78	102.00	6.35	263.29
348	12	31	260.9	25463.2	1372.0	(44.26)	3162.0	0.0	125.71	93.53	24.0	0.840	213.88	102.00	6.35	262.02
					2733.9	(89.70)	3102.5	0.0	121.88	88.96		0.839	6378.	3103.	6.35	257.64
349	30	1	31	258.2	23289.5	988.3	(31.88)	3162.0	123.59	91.95	24.0	0.840	211.15	102.00	6.35	259.59
350	2	28	255.5	21120.9	687.4	(24.55)	2856.0	0.0	121.18	81.43	24.0	0.839	209.17	102.00	6.35	256.85
351	3	31	252.0	18577.2	618.3	(19.95)	3162.0	0.0	118.47	88.14	24.0	0.838	206.91	102.00	6.35	253.74
352	4	30	248.7	16192.7	675.5	(22.52)	3060.0	0.0	115.50	83.14	24.0	0.837	204.41	102.00	6.35	250.55
353	5	31	247.3	15271.8	2241.1	(72.29)	3162.0	0.0	113.45	84.40	24.0	0.837	202.66	102.00	6.35	247.99
354	6	30	248.0	15755.3	3543.5	(118.12)	3060.0	0.0	113.17	81.48	24.0	0.837	202.42	102.00	6.35	247.67
355	7	31	253.8	19902.1	7308.8	(235.77)	3162.0	0.0	116.01	86.31	24.0	0.838	204.84	102.00	6.35	250.93
356	8	31	258.0	23095.3	6355.2	(205.01)	3162.0	0.0	120.37	89.55	24.0	0.839	208.50	102.00	6.35	255.92
357	9	30	262.2	26503.2	6467.9	(215.60)	3060.0	0.0	124.03	89.30	24.0	0.840	211.51	102.00	6.35	260.10
358	10	31	266.3	30017.8	6676.6	(215.37)	3162.0	0.0	127.68	94.99	24.0	0.841	214.40	102.00	6.35	264.26
359	11	30	264.2	28226.0	1268.2	(42.27)	3060.0	0.0	128.57	92.57	24.0	0.841	214.40	102.00	6.35	265.28
360	12	31	262.2	26486.5	1422.5	(45.89)	3162.0	0.0	126.76	94.51	24.0	0.841	213.73	102.00	6.35	263.21
					3187.8	(104.10)	3102.5	0.0	120.73	88.13		0.839	6347.	3103.	6.35	256.32
361	31	1	31	259.4	24200.3	875.6	(28.25)	3162.0	124.63	92.72	24.0	0.840	212.00	102.00	6.35	260.78
362	2	28	256.5	21939.9	595.6	(21.27)	2856.0	0.0	122.15	82.08	24.0	0.839	209.97	102.00	6.35	257.95
363	3	31	253.1	19350.7	572.8	(18.48)	3162.0	0.0	119.40	88.83	24.0	0.839	207.69	102.00	6.35	254.81
364	4	30	249.6	16857.1	566.4	(18.88)	3060.0	0.0	116.38	83.79	24.0	0.838	205.16	102.00	6.35	251.35
365	5	31	247.9	15658.4	1963.3	(63.33)	3162.0	0.0	114.11	84.90	24.0	0.837	203.22	102.00	6.35	248.75
366	6	30	261.5	25918.2	2133.9	(84.43)	3060.0	0.0	119.29	85.89	24.0	0.839	207.60	102.00	6.35	254.69
367	7	31	265.0	28890.3	6134.1	(197.87)	3162.0	0.0	126.80	94.34	24.0	0.841	213.76	102.00	6.35	263.26
368	8	31	269.6	32937.8	7209.5	(232.56)	3162.0	0.0	130.35	96.98	24.0	0.842	214.40	102.00	6.35	267.30
369	9	30	274.5	37529.9	7652.1	(255.07)	3060.0	0.0	130.79	94.17	24.0	0.820	205.32	102.00	6.35	272.02
370	10	31	278.6	41560.6	7192.7	(232.02)	3162.0	0.0	135.10	100.52	24.0	0.823	200.93	102.00	6.35	276.52
371	11	30	282.1	45199.5	6698.9	(223.30)	3060.0	0.0	138.79	99.93	24.0	0.827	197.59	102.00	6.35	280.34
372	12	31	280.8	43810.1	1772.6	(57.18)	3162.0	0.0	139.86	104.05	24.0	0.828	196.68	102.00	6.35	281.44
					4546.1	(149.35)	3102.5	0.0	126.47	92.35		0.834	6372.	3103.	6.35	264.10
373	32	1	31	278.9	41867.9	1219.8	(39.35)	3162.0	138.29	102.89	24.0	0.826	198.02	102.00	6.35	279.82
374	2	28	276.1	39107.3	879.5	(31.41)	3060.0	0.0	186.49	125.32	24.0	0.887	200.06	130.00	6.35	277.48
375	3	31	273.6	36738.1	792.8	(25.57)	3162.0	0.0	133.52	99.34	24.0	0.832	203.48	102.00	6.35	274.87
376	4	30	270.1	33588.1	550.0	(18.33)	3000.0	0.0	179.08	128.94	24.0	0.882	205.50	130.00	6.35	271.86
377	5	31	266.3	29981.5	633.4	(20.43)	4030.0	0.0	178.57	132.85	24.0	0.900	213.51	130.00	6.35	268.17
378	6	30	265.6	29424.0	2492.5	(83.08)	3060.0	0.0	129.17	93.00	24.0	0.841	214.40	102.00	6.35	265.96
379	7	31	269.9	33229.0	6967.0	(224.74)	3162.0	0.0	130.76	97.29	24.0	0.842	214.01	102.00	6.35	267.76
380	8	31	274.9	37968.0	7901.0	(254.87)	3162.0	0.0	131.16	97.58	24.0	0.820	204.93	102.00	6.35	272.41
381	9	30	279.9	42951.5	8883.5	(296.12)	3000.0	0.0	186.43	134.23	24.0	0.887	200.11	130.00	6.35	277.43
382	10	31	284.7	47987.9	8756.4	(282.46)	3120.0	0.0	174.37	129.73	24.0	0.873	195.93	120.00	6.35	282.34
383	11	30	283.4	46596.2	1668.3	(55.61)	3060.0	0.0	138.69	99.86	24.0	0.808	193.16	102.00	6.35	284.09
384	12	31	282.0	45075.5	1641.3	(52.95)	3162.0	0.0	137.46	102.27	24.0	0.807	193.65	102.00	6.35	282.71
					3532.1	(115.41)	3426.7	0.0	153.67	111.94		0.850	6180.	3427.	6.35	275.41

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	GA (M3/SD)	GOUT (M3/SD)	P (MM)	E (GWH)	T (H)	ETG	OCR (M3/S)	GUP (M3/S)	LOSS (CM)	SUII (CM)
385	33	1	31	279.9	42893.6	980.1	31.62	3162.0	139.37	103.69	24.0	0.827	197.09	102.00	6.35	280.93
386	2	28	277.7	40743.6	706.0	25.21	2856.0	0.0	137.31	92.28	24.0	0.825	198.89	102.00	6.35	278.81
387	3	31	275.1	38126.1	544.5	17.56	3162.0	0.0	135.01	100.44	24.0	0.823	201.03	102.00	6.35	276.42
388	4	30	272.4	35591.7	525.6	17.52	3060.0	0.0	132.46	95.37	24.0	0.821	203.56	102.00	6.35	273.76
389	5	31	270.6	33873.1	1443.4	46.56	3162.0	0.0	130.31	96.95	24.0	0.819	205.85	102.00	6.35	271.52
390	6	30	268.7	32128.9	1309.8	43.66	3060.0	0.0	128.52	92.53	24.0	0.817	207.87	102.00	6.35	269.64
391	7	31	270.7	33933.5	4974.6	61.60	3162.0	0.0	128.55	95.64	24.0	0.818	207.84	102.00	6.35	269.67
392	8	31	273.9	36994.2	6220.7	62.00	3162.0	0.0	131.05	97.50	24.0	0.820	205.05	102.00	6.35	272.29
393	9	30	278.7	41666.8	7732.7	62.57	3060.0	0.0	134.88	97.12	24.0	0.823	201.14	102.00	6.35	276.29
394	10	31	283.5	46669.4	8164.6	62.63	3162.0	0.0	139.52	103.80	24.0	0.827	196.97	102.00	6.35	281.09
395	11	30	284.7	47895.6	5126.2	61.70	3900.0	0.0	189.68	136.57	24.0	0.868	193.18	130.00	6.35	284.08
396	12	31	282.9	46013.3	1279.7	41.28	3162.0	0.0	138.41	102.98	24.0	0.808	193.66	102.00	6.35	283.77
					3250.7	61.06	33	3172.5	138.75	101.24		0.825	611.4	3173.		276.52
397	34	1	31	280.8	43813.6	962.3	31.04	3162.0	104.24	104.34	24.0	0.828	196.36	102.00	6.35	281.83
398	2	28	278.5	41512.9	555.3	19.83	2856.0	0.0	138.12	92.82	24.0	0.826	198.17	102.00	6.35	279.64
399	3	31	276.0	38999.9	649.0	20.94	3162.0	0.0	135.81	101.04	24.0	0.824	200.35	102.00	6.35	277.25
400	4	30	273.4	36500.6	560.7	18.69	3060.0	0.0	133.35	96.01	24.0	0.822	202.66	102.00	6.35	274.69
401	5	31	271.0	34256.3	917.7	29.60	3162.0	0.0	130.96	97.44	24.0	0.820	205.14	102.00	6.35	272.20
402	6	30	271.1	34316.1	3119.8	61.03	3990.0	0.0	129.85	93.50	24.0	0.819	206.35	102.00	6.35	271.04
403	7	31	269.8	33143.1	1989.0	64.16	3162.0	0.0	129.28	96.18	24.0	0.818	207.00	102.00	6.35	270.44
404	8	31	271.7	34883.4	4902.3	61.58	3162.0	0.0	129.57	96.40	24.0	0.818	206.67	102.00	6.35	270.74
405	9	30	273.4	36531.9	4708.5	61.56	3950.0	0.0	131.30	94.54	24.0	0.820	204.78	102.00	6.35	272.56
406	10	31	275.9	38880.6	5510.7	61.77	3162.0	0.0	133.50	99.18	24.0	0.822	202.70	102.00	6.35	274.65
407	11	30	274.0	37108.1	1285.5	42.85	3060.0	0.0	133.59	96.19	24.0	0.822	203.41	102.00	6.35	274.95
408	12	31	271.9	35113.1	1169.0	37.71	3162.0	0.0	131.71	97.99	24.0	0.820	204.35	102.00	6.35	272.98
					2194.1	61.81	31	3102.5	133.09	97.13		0.822	617.8	3103.		274.41
409	35	1	31	269.5	32881.7	930.6	30.02	3162.0	129.55	96.38	24.0	0.818	206.69	102.00	6.35	270.72
410	2	28	267.1	30686.7	661.0	23.61	2856.0	0.0	131.23	88.18	24.0	0.842	213.36	102.00	6.35	268.39
411	3	31	264.0	27998.2	473.5	15.27	3162.0	0.0	128.79	95.82	24.0	0.841	214.40	102.00	6.35	265.52
412	4	30	260.9	25409.7	467.5	15.58	3060.0	0.0	126.07	90.77	24.0	0.840	213.17	102.00	6.35	262.42
413	5	31	259.5	24320.2	2076.5	66.98	3162.0	0.0	124.12	92.35	24.0	0.840	211.59	102.00	6.35	260.20
414	6	30	264.4	28310.4	7080.2	62.36	3910.0	0.0	125.66	90.47	24.0	0.840	212.84	102.00	6.35	261.96
415	7	31	266.6	30239.7	5929.3	61.91	4030.0	0.0	175.38	130.48	24.0	0.900	214.40	130.00	6.35	265.47
416	8	31	270.3	33584.2	7374.6	62.37	4030.0	0.0	178.86	133.07	24.0	0.901	213.20	130.00	6.35	268.42
417	9	30	276.3	39311.3	9627.1	63.20	3900.0	0.0	180.97	130.30	24.0	0.884	204.03	130.00	6.35	273.29
418	10	31	283.8	46939.2	21180.2	97.62	4185.0	0.0	195.98	145.81	24.0	0.884	197.83	135.00	6.34	280.03
419	11	30	285.0	48222.9	6693.7	62.23	5400.0	0.0	271.59	195.54	24.0	0.898	192.95	180.00	6.33	284.36
420	12	31	284.2	47443.9	2383.0	76.87	3162.0	0.0	139.15	103.53	24.0	0.808	192.56	102.00	6.35	284.60
					4625.0	61.51	32	3597.4	158.94	116.06		0.858	650.3	3597.		270.44
421	36	1	31	282.6	45727.8	1445.9	46.64	3162.0	138.10	102.74	24.0	0.808	194.20	102.00	6.35	283.42
422	2	28	280.8	43814.8	943.0	33.68	2856.0	0.0	140.10	94.15	24.0	0.828	196.47	102.00	6.35	281.69
423	3	31	278.4	41423.8	771.0	24.87	3162.0	0.0	138.08	102.73	24.0	0.826	198.21	102.00	6.35	279.60
424	4	30	276.0	39019.7	685.9	22.86	3060.0	0.0	135.79	97.77	24.0	0.824	200.37	102.00	6.35	277.23
425	5	31	273.6	36740.0	832.3	27.49	3162.0	0.0	133.49	99.32	24.0	0.822	202.51	102.00	6.35	274.84
426	6	30	272.5	35676.9	1996.9	66.56	3060.0	0.0	131.81	94.90	24.0	0.820	204.24	102.00	6.35	273.09
427	7	31	271.8	35037.9	2523.0	81.39	3162.0	0.0	130.95	97.43	24.0	0.820	205.15	102.00	6.35	272.19
428	8	31	271.8	34991.4	3983.5	62.80	4030.0	0.0	179.04	133.20	24.0	0.882	205.53	130.00	6.35	271.82
429	9	30	274.8	37812.1	6720.7	62.24	3900.0	0.0	180.95	130.29	24.0	0.884	204.04	130.00	6.35	273.28
430	10	31	279.9	42904.4	9122.3	62.94	4030.0	0.0	186.29	138.60	24.0	0.887	200.20	130.00	6.35	277.33
431	11	30	284.6	47781.6	8777.2	62.92	5900.0	0.0	192.79	138.81	24.0	0.892	196.04	130.00	6.35	282.52
432	12	31	283.3	46452.5	2700.9	87.13	4030.0	0.0	189.47	140.97	24.0	0.868	193.42	130.00	6.35	283.93
					3376.9	61.10	33	3459.5	156.41	116.24		0.847	608.5	3460.		277.55

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	Q ₀ (M3/SD)	GOUT (M3/SD)	P (MW)	E (GMH)	T (H)	ETG (M3/S)	GQR (M3/S)	GUP (M3/S)	LOSS (M)	SUIT (M)			
433	37	1	31	281.3	44380.1	1647.6	(53.15)	3720.0	(120.00)	0.0	174.34	129.71	24.0	0.873	195.97	120.00	6.35	282.31	
434	37	2	28	279.0	42052.0	1512.0	(46.86)	3640.0	(130.00)	0.0	190.08	127.74	24.0	0.890	197.71	130.00	6.35	280.19	
435	37	3	31	275.9	38923.7	901.7	(29.09)	4030.0	(130.00)	0.0	186.49	138.75	24.0	0.887	200.06	130.00	6.35	277.48	
436	37	4	30	272.8	35887.1	863.4	(28.78)	3900.0	(130.00)	0.0	182.33	131.28	24.0	0.885	203.01	130.00	6.35	274.33	
437	37	5	31	269.3	32679.0	821.9	(26.51)	4030.0	(130.00)	0.0	177.99	132.42	24.0	0.881	206.57	130.00	6.35	271.02	
438	37	6	30	271.2	34446.7	566.7	(18.92)	3900.0	(130.00)	0.0	176.98	127.42	24.0	0.861	207.20	130.00	6.35	270.25	
439	37	7	31	272.9	36046.1	562.9	(18.59)	4030.0	(130.00)	0.0	179.36	133.64	24.0	0.882	205.28	130.00	6.35	272.07	
440	37	8	31	278.3	41269.8	925.3	(29.51)	4030.0	(130.00)	0.0	184.00	136.90	24.0	0.886	201.80	130.00	6.35	275.60	
441	37	9	30	282.8	45881.1	941.1	(33.71)	4800.0	(160.00)	0.0	236.88	170.55	24.0	0.900	197.43	160.00	6.34	280.52	
442	37	10	31	285.0	48263.9	782.8	(22.53)	5425.0	(175.00)	20.6	264.21	196.57	24.0	0.900	193.49	175.00	6.33	283.88	
443	37	11	30	283.1	46208.2	1844.3	(61.48)	3900.0	(130.00)	0.0	186.88	136.53	24.0	0.868	193.23	130.00	6.35	284.03	
444	37	12	31	281.3	44316.2	1828.0	(58.97)	3720.0	(120.00)	0.0	174.15	129.57	24.0	0.873	196.09	120.00	6.35	282.17	
						3917.4	(128.34)	4093.7	(134.58)	1.7	193.04	140.91		0.884	607.8			6.34	277.82
445	38	1	31	278.4	41349.5	1063.3	(34.30)	4030.0	(130.00)	0.0	189.58	141.05	24.0	0.890	198.03	130.00	6.35	279.81	
446	38	2	28	275.4	38445.9	735.4	(26.30)	3640.0	(130.00)	0.0	185.71	124.79	24.0	0.887	200.60	130.00	6.35	276.89	
447	38	3	31	271.9	35049.0	633.1	(20.42)	4030.0	(130.00)	0.0	181.42	134.98	24.0	0.884	203.69	130.00	6.35	273.64	
448	38	4	30	269.0	32442.3	453.3	(15.11)	3060.0	(102.00)	0.0	129.29	93.09	24.0	0.818	206.99	102.00	6.35	270.45	
449	38	5	31	266.9	30497.6	1217.3	(39.27)	3162.0	(102.00)	0.0	130.92	97.40	24.0	0.842	213.79	102.00	6.35	267.94	
450	38	6	30	264.7	28659.6	1222.0	(40.73)	3060.0	(102.00)	0.0	129.04	92.91	24.0	0.841	214.40	102.00	6.35	265.80	
451	38	7	31	262.5	26721.4	1223.8	(39.48)	3162.0	(102.00)	0.0	127.11	94.57	24.0	0.841	214.01	102.00	6.35	263.60	
452	38	8	31	262.8	27033.6	4033.2	(130.07)	3720.0	(130.00)	0.0	153.24	114.01	24.0	0.868	213.23	120.00	6.35	262.65	
453	38	9	30	272.8	35913.7	12780.2	(426.01)	3900.0	(130.00)	0.0	178.13	128.26	24.0	0.900	213.96	130.00	6.35	267.81	
454	38	10	31	282.7	45773.5	15285.8	(493.06)	5425.0	(175.00)	0.0	256.18	190.60	24.0	0.906	199.85	175.00	6.33	277.72	
455	38	11	30	284.9	48176.0	7952.5	(285.08)	5550.0	(185.00)	0.0	277.02	199.45	24.0	0.894	193.63	185.00	6.33	283.79	
456	38	12	31	283.9	47056.5	2042.5	(65.89)	3162.0	(102.00)	0.0	138.97	103.59	24.0	0.808	192.88	102.00	6.35	284.39	
						4053.4	(132.98)	3823.1	(125.83)	0.0	173.05	126.12		0.865	624.9			6.35	272.87
457	39	1	31	282.0	45102.4	1207.9	(38.96)	3162.0	(102.00)	0.0	137.67	102.43	24.0	0.807	191.81	102.00	6.35	282.94	
458	39	2	28	280.0	43064.0	817.6	(29.20)	2850.0	(102.00)	0.0	139.46	93.72	24.0	0.827	197.01	102.00	6.35	281.03	
459	39	3	31	277.5	40544.1	642.1	(20.71)	3162.0	(102.00)	0.0	137.30	102.15	24.0	0.825	198.90	102.00	6.35	278.80	
460	39	4	30	275.0	38074.0	589.9	(19.66)	3060.0	(102.00)	0.0	134.88	97.12	24.0	0.823	201.14	102.00	6.35	276.29	
461	39	5	31	272.1	35259.8	347.8	(11.22)	3162.0	(102.00)	0.0	132.26	98.40	24.0	0.821	203.77	102.00	6.35	273.56	
462	39	6	30	276.8	39776.6	846.8	(280.56)	3900.0	(130.00)	0.0	182.46	131.37	24.0	0.885	202.91	130.00	6.35	274.43	
463	39	7	31	275.5	38534.1	2787.5	(89.92)	4030.0	(130.00)	0.0	184.72	137.43	24.0	0.886	201.29	130.00	6.35	276.14	
464	39	8	31	275.0	38079.9	3575.8	(115.35)	4030.0	(130.00)	0.0	183.58	136.58	24.0	0.885	202.10	130.00	6.35	275.27	
465	39	9	30	281.9	44977.9	10788.0	(359.93)	3900.0	(130.00)	0.0	187.80	135.22	24.0	0.888	199.18	130.00	6.35	278.47	
466	39	10	31	284.9	48179.1	8161.3	(283.27)	4960.0	(160.00)	0.0	235.95	175.55	24.0	0.881	194.22	160.00	6.34	283.41	
467	39	11	30	282.2	45285.1	166.0	(5.53)	3060.0	(102.00)	0.0	138.22	99.52	24.0	0.808	193.99	102.00	6.35	283.56	
468	39	12	31	280.9	43914.1	1791.0	(57.77)	3162.0	(102.00)	0.0	139.95	104.12	24.0	0.828	196.60	102.00	6.35	281.53	
						3275.1	(107.67)	3537.0	(116.17)	0.0	161.19	117.80		0.847	604.0			6.35	278.79
469	40	1	31	278.0	41024.7	1140.6	(36.79)	4030.0	(130.00)	0.0	189.11	140.69	24.0	0.889	198.34	130.00	6.35	279.45	
470	40	2	28	275.2	38219.3	834.6	(29.81)	3640.0	(130.00)	0.0	185.34	124.55	24.0	0.887	200.87	130.00	6.35	276.61	
471	40	3	31	272.7	35829.2	771.9	(24.90)	3162.0	(102.00)	0.0	132.62	98.67	24.0	0.821	203.39	102.00	6.35	273.94	
472	40	4	30	269.5	32899.3	970.1	(32.54)	3900.0	(130.00)	0.0	178.10	128.24	24.0	0.882	206.28	130.00	6.35	271.11	
473	40	5	31	267.2	30757.8	1268.5	(40.92)	3410.0	(110.00)	0.0	144.06	107.18	24.0	0.857	213.29	110.00	6.35	268.34	
474	40	6	30	267.8	31373.6	3675.8	(122.53)	3060.0	(102.00)	0.0	130.53	93.98	24.0	0.842	214.34	102.00	6.35	267.50	
475	40	7	31	267.5	31072.5	3783.9	(120.29)	4050.0	(130.00)	0.0	177.98	132.41	24.0	0.900	214.11	130.00	6.35	267.67	
476	40	8	31	268.6	32093.4	5050.9	(162.93)	4030.0	(130.00)	0.0	178.45	132.76	24.0	0.900	213.63	130.00	6.35	268.07	
477	40	9	30	277.3	40336.9	12143.5	(404.78)	3900.0	(130.00)	0.0	180.57	130.01	24.0	0.883	204.34	130.00	6.35	272.99	
478	40	10	31	283.9	47095.9	10789.0	(348.03)	4030.0	(130.00)	0.0	190.67	141.86	24.0	0.890	197.31	130.00	6.35	280.62	
479	40	11	30	285.0	48253.5	5807.6	(193.59)	4650.0	(155.00)	0.0	231.49	166.67	24.0	0.887	192.81	155.00	6.34	284.45	
480	40	12	31	283.6	46796.9	1705.4	(55.01)	3162.0	(102.00)	0.0	138.89	103.33	24.0	0.808	193.01	102.00	6.35	284.31	
						3990.6	(130.99)	3750.3	(123.42)	0.0	171.48	103.03		0.871	624.5			6.35	274.59

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GMH)	T (H)	ETG (M3/S)	QCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)
481	41	1	31	283.3	44343.4	1266.5(40.85)	3720.0(120.00)	0.0	174.52	129.84	24.0	0.873	195.86	120.00	6.35	282.46
482		2	28	279.4	42416.0	928.6(33.16)	2856.0(102.00)	0.0	138.80	93.27	24.0	0.827	197.58	102.00	6.35	280.35
483		3	31	277.1	40068.3	814.3(26.27)	3162.0(102.00)	0.0	136.76	101.75	24.0	0.825	199.39	102.00	6.35	278.24
484		4	30	274.5	37542.9	534.6(17.82)	3060.0(102.00)	0.0	134.39	96.76	24.0	0.823	201.62	102.00	6.35	275.78
485		5	31	272.1	35260.8	879.9(28.38)	3162.0(102.00)	0.0	132.00	98.21	24.0	0.821	204.04	102.00	6.35	273.29
486		6	30	272.6	35730.9	3530.1(117.67)	3060.0(102.00)	0.0	131.09	94.39	24.0	0.820	205.00	102.00	6.35	272.34
487		7	31	272.9	36038.7	3469.9(111.93)	3162.0(102.00)	0.0	131.49	97.83	24.0	0.820	204.58	102.00	6.35	272.75
488		8	31	275.2	38248.7	6240.0(201.29)	4030.0(130.00)	0.0	181.98	135.39	24.0	0.884	203.27	130.00	6.35	274.06
489		9	30	277.9	40897.3	6548.6(218.29)	3900.0(130.00)	0.0	185.27	135.40	24.0	0.887	200.91	130.00	6.35	276.56
490		10	31	283.9	47069.7	10512.4(339.11)	4340.0(140.00)	0.0	203.24	151.21	24.0	0.880	197.11	140.00	6.34	280.89
491		11	30	284.9	48186.4	6516.7(217.22)	5400.0(180.00)	0.0	271.68	195.61	24.0	0.898	192.87	180.00	6.35	284.41
492		12	31	283.7	46877.7	1853.3(59.78)	3162.0(102.00)	0.0	138.90	103.34	24.0	0.808	193.00	102.00	6.35	284.32
						3591.2(117.65)	3584.5(117.83)	0.0	163.34	119.25		0.847	6072.	3585.	6.35	277.95
493	42	1	31	281.8	44900.4	1184.7(38.22)	3162.0(102.00)	0.0	137.51	102.30	24.0	0.807	195.61	102.00	6.35	282.76
494		2	28	279.8	42791.9	747.5(26.70)	2856.0(102.00)	0.0	139.24	93.57	24.0	0.827	197.20	102.00	6.35	280.80
495		3	31	277.3	40287.7	657.8(21.22)	3162.0(102.00)	0.0	137.05	101.96	24.0	0.825	199.13	102.00	6.35	278.53
496		4	30	274.7	37709.4	481.7(16.06)	3060.0(102.00)	0.0	134.58	96.90	24.0	0.823	201.44	102.00	6.35	275.97
497		5	31	273.4	36537.0	1989.6(64.18)	3162.0(102.00)	0.0	132.73	98.75	24.0	0.821	203.28	102.00	6.35	274.05
498		6	30	273.2	36267.6	2790.6(93.02)	3060.0(102.00)	0.0	132.01	95.05	24.0	0.821	204.03	102.00	6.35	273.29
499		7	31	273.1	36261.6	3156.0(101.81)	3162.0(102.00)	0.0	131.87	98.11	24.0	0.820	204.18	102.00	6.35	273.15
500		8	31	276.5	39520.3	6420.7(207.12)	3162.0(102.00)	0.0	133.48	99.31	24.0	0.822	202.52	102.00	6.35	274.83
501		9	30	279.6	42616.2	6153.9(205.20)	3060.0(102.00)	0.0	136.59	98.34	24.0	0.825	199.55	102.00	6.35	278.06
502		10	31	284.8	48059.5	9163.3(295.59)	3720.0(120.00)	0.0	174.20	129.61	24.0	0.873	196.05	120.00	6.35	282.21
503		11	30	284.9	48193.7	3194.2(106.47)	3060.0(102.00)	0.0	139.39	100.36	24.0	0.808	192.13	102.00	6.35	284.87
504		12	31	283.7	46896.5	1864.8(60.15)	3162.0(102.00)	0.0	138.91	103.35	24.0	0.808	192.98	102.00	6.35	284.33
						3150.6(102.98)	3149.5(103.50)	0.0	138.96	101.47		0.823	6054.	3149.	6.35	278.57
505	43	1	31	281.0	44082.6	1216.1(39.23)	4030.0(130.00)	0.0	193.00	143.60	24.0	0.892	195.92	130.00	6.35	282.38
506		2	28	279.1	42120.7	894.1(31.93)	2856.0(102.00)	0.0	138.54	93.10	24.0	0.826	197.81	102.00	6.35	280.08
507		3	31	276.7	39744.5	785.8(25.35)	3162.0(102.00)	0.0	136.46	101.53	24.0	0.825	199.66	102.00	6.35	277.93
508		4	30	274.4	37472.5	788.0(26.27)	3060.0(102.00)	0.0	134.20	96.62	24.0	0.823	201.81	102.00	6.35	275.58
509		5	31	272.4	35583.7	1273.2(41.07)	3162.0(102.00)	0.0	132.13	98.30	24.0	0.821	203.90	102.00	6.35	273.42
510		6	30	274.4	37471.6	5787.9(192.93)	3900.0(130.00)	0.0	181.14	130.42	24.0	0.884	203.91	130.00	6.35	273.42
511		7	31	275.5	38538.6	5097.1(164.42)	4030.0(130.00)	0.0	183.17	136.28	24.0	0.885	202.40	130.00	6.35	274.96
512		8	31	277.3	40279.6	5771.0(186.16)	4030.0(130.00)	0.0	185.06	137.69	24.0	0.886	201.06	130.00	6.35	276.40
513		9	30	280.8	43876.8	7497.2(249.91)	3900.0(130.00)	0.0	188.59	135.78	24.0	0.889	198.79	130.00	6.35	279.06
514		10	31	284.4	47577.8	9126.0(294.39)	5425.0(175.00)	0.0	263.52	196.06	24.0	0.905	191.77	175.00	6.33	282.60
515		11	30	284.7	47992.1	5064.3(168.81)	4650.0(155.00)	0.0	231.66	166.79	24.0	0.887	192.64	155.00	6.34	284.55
516		12	31	283.5	46627.8	1797.7(57.99)	3162.0(102.00)	0.0	138.71	103.20	24.0	0.808	193.14	102.00	6.35	284.11
						3758.2(123.20)	3780.6(124.17)	0.0	175.51	128.28		0.861	6040.	3781.	6.35	278.71
517	44	1	31	281.0	44093.5	1185.7(38.25)	3720.0(120.00)	0.0	174.27	129.65	24.0	0.873	196.02	120.00	6.35	282.26
518		2	28	278.3	41343.3	889.8(31.67)	3640.0(120.00)	0.0	189.43	127.30	24.0	0.889	198.13	130.00	6.35	279.70
519		3	31	275.8	38822.1	640.8(20.78)	3162.0(102.00)	0.0	135.64	100.91	24.0	0.824	200.42	102.00	6.35	277.07
520		4	30	272.4	35580.7	658.6(21.95)	3900.0(130.00)	0.0	182.05	131.08	24.0	0.884	203.22	130.00	6.35	274.11
521		5	31	270.1	33406.0	987.3(31.85)	3162.0(102.00)	0.0	130.06	96.76	24.0	0.819	206.12	102.00	6.35	271.26
522		6	30	279.2	42246.0	12740.0(424.67)	3900.0(130.00)	0.0	182.77	131.60	24.0	0.885	202.69	130.00	6.35	274.66
523		7	31	282.1	45148.9	6932.9(223.64)	4030.0(130.00)	0.0	190.70	141.88	24.0	0.890	197.52	130.00	6.35	280.65
524		8	31	282.6	45721.0	4602.1(148.45)	4030.0(130.00)	0.0	192.95	143.55	24.0	0.892	195.95	130.00	6.35	282.33
525		9	30	284.5	47683.1	6612.1(220.40)	4650.0(155.00)	0.0	228.11	164.24	24.0	0.879	194.03	155.00	6.34	283.53
526		10	31	284.6	47867.7	4214.6(135.95)	4030.0(130.00)	0.0	190.30	141.58	24.0	0.868	192.64	130.00	6.35	284.54
527		11	30	283.7	46841.3	2053.6(67.79)	3060.0(102.00)	0.0	138.75	99.90	24.0	0.808	193.07	102.00	6.35	284.10
528		12	31	281.2	44277.2	1153.9(37.28)	3720.0(120.00)	0.0	174.50	129.83	24.0	0.873	195.86	120.00	6.35	282.45
						3554.4(116.89)	3750.3(123.42)	0.0	175.79	128.19		0.865	6021.	3750.	6.35	279.73

*** OPTIMAL SCHEDULE *** CASE I (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GMH)	T (H)	ETG (M3/S)	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
529	45	1	31	278.9	41932.8	817.6(26.37)	3162.0(102.00)	0.0	138.54	103.07	24.0	0.826	197.81	102.00	6.35	280.08
530		2	28	276.7	39721.9	645.1(23.04)	2856.0(102.00)	0.0	136.36	91.64	24.0	0.824	199.75	102.00	6.35	277.83
531		3	31	274.1	37130.6	570.7(20.84)	3162.0(102.00)	0.0	134.02	99.71	24.0	0.822	201.99	102.00	6.35	275.39
532		4	30	271.4	34581.2	510.6(18.84)	3060.0(102.00)	0.0	131.45	94.64	24.0	0.820	204.62	102.00	6.35	272.71
533		5	31	268.9	32315.6	463.4(17.02)	3162.0(102.00)	0.0	128.98	95.96	24.0	0.818	207.54	102.00	6.35	270.12
534		6	30	272.9	35991.7	673.6(24.54)	3060.0(102.00)	0.0	129.70	93.38	24.0	0.819	206.53	102.00	6.35	270.88
535		7	31	273.9	36073.0	3243.4(104.63)	3162.0(102.00)	0.0	131.63	97.94	24.0	0.820	204.42	102.00	6.35	272.91
536		8	31	273.0	36169.2	3258.2(105.10)	3162.0(102.00)	0.0	131.72	98.00	24.0	0.820	204.33	102.00	6.35	273.00
537		9	30	277.6	40644.5	837.5(29.18)	3900.0(130.00)	0.0	183.68	132.25	24.0	0.885	202.03	130.00	6.35	275.35
538		10	31	282.3	45396.4	8781.9(283.29)	4030.0(130.00)	0.0	189.80	141.21	24.0	0.890	197.89	130.00	6.35	279.97
539		11	30	285.0	48263.9	6184.5(208.15)	3300.0(110.00)	17.0	151.47	109.06	24.0	0.821	193.83	110.00	6.35	283.65
540		12	31	283.7	46917.1	1815.2(58.55)	3162.0(102.00)	0.0	138.94	103.37	24.0	0.808	192.92	102.00	6.35	284.37
						3486.2(114.60)	3264.8(107.33)	1.4	143.86	105.02		0.831	6118.	3262.	6.35	276.35
541	46	1	31	281.9	45031.5	1276.4(41.17)	3162.0(102.00)	0.0	137.58	102.36	24.0	0.807	195.55	102.00	6.35	282.84
542		2	28	280.1	43164.0	988.5(35.30)	2856.0(102.00)	0.0	139.47	93.73	24.0	0.827	197.00	102.00	6.35	281.04
543		3	31	277.8	40782.7	780.7(25.18)	3162.0(102.00)	0.0	137.46	102.27	24.0	0.825	198.76	102.00	6.35	278.96
544		4	30	275.3	38359.0	636.3(21.21)	3060.0(102.00)	0.0	135.14	97.30	24.0	0.823	200.90	102.00	6.35	276.56
545		5	31	274.2	37287.9	2090.9(67.45)	3162.0(102.00)	0.0	133.43	99.27	24.0	0.822	202.58	102.00	6.35	274.77
546		6	30	274.2	37295.4	3067.5(102.25)	3060.0(102.00)	0.0	132.90	95.69	24.0	0.821	203.11	102.00	6.35	274.22
547		7	31	273.6	36687.0	2553.6(82.37)	3162.0(102.00)	0.0	132.60	98.65	24.0	0.821	203.42	102.00	6.35	274.22
548		8	31	272.4	35592.0	2067.0(66.68)	3162.0(102.00)	0.0	131.74	98.02	24.0	0.820	204.31	102.00	6.35	273.02
549		9	30	274.0	37061.7	4525.8(150.99)	3060.0(102.00)	0.0	131.93	94.99	24.0	0.821	204.11	102.00	6.35	273.21
550		10	31	276.4	39414.5	5514.8(177.90)	3162.0(102.00)	0.0	133.83	99.57	24.0	0.822	202.17	102.00	6.35	275.20
551		11	30	274.6	37626.8	1272.3(42.41)	3060.0(102.00)	0.0	134.11	96.56	24.0	0.822	201.89	102.00	6.35	275.49
552		12	31	272.1	35251.4	786.6(25.37)	3162.0(102.00)	0.0	132.04	98.24	24.0	0.821	204.00	102.00	6.35	273.32
						2130.4(69.86)	3102.5(102.00)	0.0	134.35	98.05		0.821	6129.	3103.	6.35	276.05
553	47	1	31	269.5	32838.4	749.0(24.16)	3162.0(102.00)	0.0	129.60	96.42	24.0	0.818	206.64	102.00	6.35	270.77
554		2	28	267.0	30639.5	657.1(23.47)	2856.0(102.00)	0.0	131.18	88.15	24.0	0.842	213.42	102.00	6.35	268.24
555		3	31	264.1	28117.3	659.8(20.64)	3162.0(102.00)	0.0	128.83	95.85	24.0	0.841	214.40	102.00	6.35	265.57
556		4	30	261.4	25877.6	820.3(27.34)	3060.0(102.00)	0.0	126.38	90.99	24.0	0.841	213.42	102.00	6.35	262.78
557		5	31	258.1	23149.4	433.8(13.99)	3162.0(102.00)	0.0	123.73	92.06	24.0	0.840	211.37	102.00	6.35	259.76
558		6	30	267.7	31236.8	1147.4(37.15)	3060.0(102.00)	0.0	126.47	91.06	24.0	0.841	213.49	102.00	6.35	262.88
559		7	31	267.4	31002.4	2927.6(94.44)	3162.0(102.00)	0.0	130.58	97.15	24.0	0.842	214.36	102.00	6.35	267.56
560		8	31	270.8	34059.9	6219.5(200.63)	3162.0(102.00)	0.0	138.02	95.24	24.0	0.817	208.45	102.00	6.35	269.11
561		9	32	276.9	39861.2	9065.3(283.29)	3264.0(102.00)	0.0	132.52	101.78	24.0	0.821	203.50	102.00	6.35	273.83
562		10	31	281.7	44809.9	8978.7(289.64)	4030.0(130.00)	0.0	188.90	140.54	24.0	0.889	198.47	130.00	6.35	279.30
563		11	30	284.8	48052.7	7142.8(238.09)	3900.0(130.00)	0.0	188.60	135.79	24.0	0.867	192.85	130.00	6.35	283.27
564		12	31	283.6	46782.4	1891.8(61.03)	3162.0(102.00)	0.0	138.80	103.27	24.0	0.808	192.98	102.00	6.35	284.21
						4222.7(137.36)	3261.8(106.67)	0.0	139.47	102.36		0.839	6327.	3262.	6.35	270.61
565	48	1	31	281.5	44357.6	1295.2(41.78)	3720.0(120.00)	0.0	174.52	129.84	24.0	0.873	195.86	120.00	6.35	282.46
566		2	28	279.6	42560.9	1059.3(37.83)	2856.0(102.00)	0.0	138.87	95.32	24.0	0.827	197.51	102.00	6.35	280.43
567		3	31	277.1	40144.3	745.4(24.05)	3162.0(102.00)	0.0	136.87	101.83	24.0	0.825	199.29	102.00	6.35	278.35
568		4	30	274.7	37747.7	663.4(22.11)	3060.0(102.00)	0.0	134.53	96.86	24.0	0.823	201.49	102.00	6.35	275.92
569		5	31	272.1	35284.1	1565.4(50.53)	4030.0(130.00)	0.0	181.11	134.75	24.0	0.884	203.92	130.00	6.35	273.40
570		6	30	276.5	39523.7	8139.6(271.32)	3900.0(130.00)	0.0	182.31	131.27	24.0	0.884	203.02	130.00	6.35	274.31
571		7	31	278.7	41651.3	6157.6(198.63)	4030.0(130.00)	0.0	186.63	138.85	24.0	0.888	199.97	130.00	6.35	277.59
572		8	31	280.9	43994.5	6373.2(205.59)	4030.0(130.00)	0.0	189.57	141.04	24.0	0.890	198.04	130.00	6.35	279.80
573		9	30	284.0	47180.6	7086.1(236.20)	3900.0(130.00)	0.0	193.13	139.05	24.0	0.892	195.84	130.00	6.35	282.47
574		10	31	284.7	47951.5	6195.9(199.87)	5425.0(175.00)	0.0	265.01	197.17	24.0	0.901	192.96	175.00	6.35	284.35
575		11	30	283.4	46558.0	2506.5(83.55)	3900.0(130.00)	0.0	189.65	136.54	24.0	0.868	193.82	130.00	6.35	284.05
576		12	31	281.3	44371.4	1843.4(59.46)	4030.0(130.00)	0.0	192.98	143.58	24.0	0.892	195.93	130.00	6.35	282.36
						3636.0(119.24)	3836.9(125.92)	0.0	180.43	132.01		0.870	6025.	3837.	6.35	279.62

*** OPTIMAL SCHEDULE *** CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG (M3/S)	QCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (CM)	
577	49	1	31	278.6	41586.8	1245.4	(40.17)	4030.0	(130.00)	0.0	189.77	141.19	0.890	197.91	130.00	6.35	279.95
578		2	28	275.0	39012.5	1065.7	(38.06)	3640.0	(130.00)	0.0	186.25	125.16	0.887	200.23	130.00	6.35	277.29
579		3	31	272.5	35674.3	691.8	(22.32)	4030.0	(130.00)	0.0	182.24	135.59	0.884	203.08	130.00	6.35	274.26
580		4	30	269.1	32541.0	766.7	(25.56)	3900.0	(130.00)	0.0	177.74	127.97	0.881	206.58	130.00	6.35	270.83
581		5	31	266.9	30515.8	1136.8	(36.67)	3162.0	(102.00)	0.0	170.98	97.45	0.842	213.71	102.00	6.35	268.01
582		6	30	266.8	30491.2	3875.4	(129.18)	3900.0	(130.00)	0.0	177.40	127.45	0.900	214.40	130.00	6.35	266.86
583		7	31	267.0	30635.3	4174.1	(134.65)	4030.0	(130.00)	0.0	177.10	131.76	0.900	214.60	130.00	6.35	266.93
584		8	31	269.2	33558.6	5953.3	(192.04)	4030.0	(130.00)	0.0	178.46	132.77	0.900	213.62	130.00	6.35	268.08
585		9	30	276.9	39939.4	11280.8	(376.03)	3900.0	(130.00)	0.0	180.65	130.07	0.883	204.28	130.00	6.35	273.05
586		10	31	284.3	47479.2	11569.9	(373.22)	4030.0	(130.00)	0.0	190.64	141.84	0.890	197.36	130.00	6.35	280.60
587		11	30	283.3	46454.3	4225.1	(140.84)	5250.0	(175.00)	0.0	264.05	190.11	0.900	193.64	175.00	6.35	283.79
588		12	31	280.9	43915.3	1491.0	(48.10)	4030.0	(130.00)	0.0	192.62	143.31	0.892	196.15	130.00	6.35	282.09
						3956.3	(129.74)	3994.3	(131.42)	0.0	185.63	135.39	0.888	6225.3	3994.3	6.34	274.31
589	50	1	31	278.0	40956.2	1070.9	(34.55)	4030.0	(130.00)	0.0	189.06	140.66	0.889	198.36	130.00	6.35	279.42
590		2	28	275.1	38119.5	803.3	(28.69)	3640.0	(130.00)	0.0	185.22	124.47	0.887	200.94	130.00	6.35	276.52
591		3	31	270.1	33395.9	701.4	(22.63)	5425.0	(175.00)	0.0	248.43	184.83	0.907	204.76	175.00	6.35	272.58
592		4	30	266.5	30145.9	650.0	(21.67)	3900.0	(130.00)	0.0	178.67	128.64	0.901	213.39	130.00	6.35	268.27
593		5	31	263.9	27913.8	1797.9	(58.00)	4030.0	(130.00)	0.0	175.02	130.22	0.900	214.40	130.00	6.35	265.17
594		6	30	266.1	29847.7	5835.9	(194.46)	3900.0	(130.00)	0.0	174.82	125.87	0.900	214.40	130.00	6.35	265.00
595		7	31	266.9	30540.9	4723.2	(132.36)	4030.0	(130.00)	0.0	176.61	131.39	0.900	214.40	130.00	6.35	266.51
596		8	31	268.5	31999.0	6728.1	(217.04)	5270.0	(170.00)	0.0	233.04	173.38	0.903	214.06	170.00	6.34	267.72
597		9	30	278.1	41085.4	14636.4	(487.88)	5550.0	(185.00)	0.0	262.86	189.26	0.904	204.02	185.00	6.33	273.31
598		10	31	283.8	46962.1	11301.7	(384.57)	5425.0	(175.00)	0.0	261.02	194.20	0.905	197.09	175.00	6.33	280.94
599		11	30	285.0	48263.9	6728.6	(224.29)	5400.0	(180.00)	26.8	271.65	195.59	0.898	192.90	180.00	6.33	284.39
600		12	31	283.9	47092.7	2858.8	(92.22)	4030.0	(130.00)	0.0	190.17	141.49	0.868	192.79	130.00	6.35	284.45
						4819.5	(138.19)	4552.5	(149.58)	2.2	212.22	155.00	0.897	6240.3	4553.3	6.34	273.69
						40058.8	(*****)	40057.7	(*****)	1.3	1694.12	1236.83	0.844	74252.3	40058.3	6.35	266.52

* MONTHLY INFLOW (M3/S) * CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO. YEAR	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	< OCT >	< NOV >	< DEC >	< TOTAL >
1	41.57	31.28	20.96	23.39	8.49	24.02	53.48	74.33	384.96	281.64	252.23	65.81	1478.43
2	40.73	37.39	21.93	19.61	33.01	148.72	225.84	176.87	248.03	178.78	103.89	60.04	1294.83
3	35.59	31.43	24.81	28.31	61.41	265.20	92.56	202.49	304.11	210.88	108.30	56.55	1421.64
4	37.35	25.30	18.19	22.05	37.83	324.74	217.19	227.42	208.87	293.77	124.08	40.14	1566.95
5	28.29	25.18	20.50	29.81	37.25	37.39	81.72	160.87	101.93	177.40	71.45	39.80	811.59
6	29.02	23.30	20.22	26.49	28.32	90.96	136.61	112.44	251.01	241.73	25.94	58.50	1044.54
7	38.43	32.98	24.81	19.82	35.89	45.12	55.59	115.00	325.52	226.63	114.67	62.09	1096.53
8	36.28	37.86	23.88	22.86	51.44	103.21	74.06	85.68	203.29	241.25	66.76	78.37	1024.94
9	45.54	35.71	26.67	23.82	34.49	117.23	66.14	131.68	195.96	241.05	155.65	43.70	1117.64
10	32.35	25.02	21.18	17.59	62.33	246.31	60.47	162.26	240.84	216.65	165.97	53.64	1304.81
11	36.74	27.50	21.13	21.41	27.49	192.58	182.25	178.54	323.34	301.14	151.35	56.17	1519.63
12	36.09	28.72	23.28	23.62	46.92	183.00	211.24	271.46	266.65	270.07	115.19	44.87	1521.11
13	30.45	28.60	22.91	22.39	53.36	98.04	159.28	123.62	513.33	293.33	244.92	57.25	1649.48
14	37.56	27.14	22.69	24.51	51.85	126.83	133.67	152.89	148.40	292.52	94.07	47.14	1159.28
15	30.48	24.81	17.42	22.46	60.36	105.64	117.23	106.17	144.84	257.72	88.45	72.52	1048.08
16	44.72	32.24	21.66	18.82	33.03	73.19	112.71	33.63	217.43	177.51	72.20	46.44	883.57
17	31.95	23.79	17.50	14.50	27.18	154.72	65.76	30.77	199.25	293.77	139.41	66.60	1055.20
18	44.96	34.20	25.97	23.22	66.46	13.58	136.38	117.47	265.76	250.82	148.89	82.72	1180.44
19	51.10	38.83	26.97	27.31	21.59	181.79	132.63	103.53	313.62	231.97	103.45	70.79	1303.67
20	45.00	35.92	25.97	31.30	47.52	166.45	49.79	45.76	88.62	145.49	67.97	64.38	814.18
21	43.83	35.28	23.77	31.64	53.87	235.75	166.55	350.52	410.08	310.87	212.57	38.97	1913.70
22	28.88	22.60	19.35	14.95	23.98	192.53	86.53	92.41	156.31	113.83	3.23	39.33	793.93
23	28.35	22.19	11.71	9.78	42.32	257.90	58.98	81.62	91.79	168.60	118.35	63.52	955.09
24	38.26	31.15	21.75	17.60	40.34	305.46	209.47	247.02	311.87	238.48	184.14	48.09	1713.64
25	31.41	28.04	24.78	28.49	53.18	30.25	32.49	14.12	208.04	274.00	171.15	57.50	953.43
26	40.67	30.41	23.33	28.79	67.86	389.57	212.44	283.71	343.92	298.80	141.36	69.85	1930.73
27	44.70	33.42	20.87	28.10	22.11	67.68	66.53	78.99	297.35	303.22	137.89	72.13	1173.18
28	44.68	32.75	20.75	19.66	22.11	109.46	92.60	138.65	160.59	148.28	65.77	20.65	887.07
29	19.81	14.62	13.86	17.75	33.04	174.29	90.78	95.56	234.52	246.61	91.32	44.26	1076.41
30	31.88	24.55	19.95	22.52	72.29	118.12	235.77	205.01	215.60	215.37	42.27	45.89	1249.21
31	28.25	21.27	18.48	18.88	63.33	443.99	197.87	232.56	255.07	232.02	223.30	57.18	1792.21
32	39.35	31.41	25.57	18.33	20.43	83.08	224.74	254.87	296.12	282.46	55.61	52.95	1384.93
33	31.62	25.21	17.56	17.52	46.56	43.66	160.47	200.67	257.76	263.37	170.87	41.28	1276.56
34	31.04	19.83	20.94	18.69	29.60	103.99	64.16	158.14	156.95	177.76	42.85	37.71	861.67
35	30.02	23.61	15.27	15.58	66.98	236.01	191.27	237.89	320.90	380.74	223.12	76.87	1818.27
36	46.64	33.68	24.87	22.86	27.49	66.56	81.39	128.50	224.02	294.27	292.57	87.13	1329.99
37	53.15	46.86	29.09	28.78	26.51	188.92	181.59	298.51	313.71	252.53	61.48	58.97	1540.09
38	34.30	26.30	20.42	15.11	39.27	40.73	39.48	130.07	426.01	493.06	265.08	65.89	1595.72
39	38.96	29.20	20.71	19.66	11.22	280.56	89.92	115.35	359.23	263.27	5.53	57.77	1292.10
40	36.79	29.81	24.90	32.34	40.92	122.53	120.29	162.93	404.78	348.03	193.59	55.01	1571.92
41	40.85	33.16	26.27	17.82	28.58	117.67	111.93	201.29	218.29	339.11	217.22	59.78	1411.79
42	38.22	26.70	21.22	16.06	64.18	93.02	101.81	207.12	205.20	295.59	106.47	60.15	1235.73
43	39.23	31.93	25.35	26.27	41.07	192.93	164.42	186.16	249.91	294.39	168.81	57.99	1478.45
44	38.25	31.78	20.67	21.95	31.85	424.67	223.64	148.45	220.40	135.95	67.79	37.29	1402.69
45	26.37	23.04	18.41	17.02	28.92	224.54	104.63	105.10	279.18	283.29	208.15	58.55	1375.19
46	41.17	35.30	25.18	21.21	67.45	102.25	82.37	66.68	150.99	177.90	42.41	25.37	838.39
47	24.16	23.47	20.64	27.34	13.99	371.58	94.44	200.63	283.29	289.64	238.09	61.03	1648.30
48	41.78	37.83	24.05	22.11	50.53	271.32	188.63	205.59	236.20	199.87	83.55	59.46	1430.92
49	40.17	38.06	22.32	25.56	36.67	129.18	134.65	192.04	376.03	373.22	140.84	48.10	1556.83
50	34.55	28.69	22.63	21.67	58.00	194.46	132.36	217.04	487.88	364.57	224.29	92.22	1898.34
TOTAL	1841.54	1479.36	1093.29	1107.35	2062.09	8327.61	6336.79	7850.02	13098.58	12855.16	6612.44	2818.39	65682.81
AVE	36.83	29.59	21.87	22.15	41.24	170.55	126.74	157.00	261.97	257.10	132.25	56.37	1313.66
MAX	53.15	46.86	29.09	32.34	72.29	443.99	233.77	350.52	513.33	493.06	292.57	92.22	1930.73
MIN	19.81	14.62	11.71	9.78	8.49	13.58	32.49	14.12	88.62	113.83	3.23	20.65	793.93

* MONTHLY OUTFLOW (M3/S) * CASE 1 (AVAILABLE DRAWDOWN = 65 m)

NO.	YEAR	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	< OCT >	< NOV >	< DEC >	< TOTAL >
1	1	102.00	102.00	102.00	102.00	102.00	130.00	130.00	130.00	130.00	155.00	175.00	102.00	1472.00
2	2	102.00	102.00	102.00	102.00	102.00	102.00	102.00	130.00	130.00	130.00	102.00	102.00	1308.00
3	3	120.00	102.00	102.00	102.00	102.00	130.00	130.00	130.00	130.00	175.00	102.00	102.00	1427.00
4	4	130.00	130.00	130.00	130.00	102.00	130.00	130.00	130.00	175.00	175.00	120.00	102.00	1584.00
5	5	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
6	6	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
7	7	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
8	8	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
9	9	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
10	10	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
11	11	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
12	12	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
13	13	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
14	14	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
15	15	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
16	16	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
17	17	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
18	18	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
19	19	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
20	20	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
21	21	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
22	22	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
23	23	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
24	24	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
25	25	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
26	26	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
27	27	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
28	28	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
29	29	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
30	30	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
31	31	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
32	32	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
33	33	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
34	34	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
35	35	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
36	36	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
37	37	120.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1364.00
38	38	130.00	130.00	130.00	130.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1615.00
39	39	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1510.00
40	40	130.00	130.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1394.00
41	41	120.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1481.00
42	42	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1414.00
43	43	130.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1242.00
44	44	120.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1490.00
45	45	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1481.00
46	46	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1288.00
47	47	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00
48	48	120.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1280.00
49	49	130.00	130.00	130.00	130.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1511.00
50	50	130.00	130.00	175.00	130.00	130.00	130.00	130.00	170.00	185.00	175.00	180.00	130.00	1577.00
TOTAL		5358.00	5324.00	5285.00	5296.00	5220.00	5380.00	5436.00	5578.00	5787.00	6063.00	5863.00	5248.00	65838.00
AVE		107.16	106.48	105.70	105.92	104.40	107.60	108.72	111.56	115.74	121.26	117.26	104.96	1316.76
MAX		130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	1795.00
MIN		102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	102.00	1224.00

* MONTHLY TOTAL ENERGY (GWH) * CASE 1 (AVAILABLE DRAWDOWN = 65 M)

NO. YEAR	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	< OCT >	< NOV >	< DEC >	< TOTAL >
1	102.47	93.81	102.28	97.28	98.59	131.00	135.85	133.75	132.29	181.87	190.26	103.44	1502.88
2	102.49	93.88	102.42	97.40	98.96	95.50	100.60	140.54	138.52	141.16	100.35	103.51	1314.94
3	129.80	93.18	101.61	96.72	98.67	132.26	138.14	138.67	137.69	196.86	100.26	103.22	1467.09
4	143.35	126.93	137.37	129.63	128.91	137.61	140.43	188.18	188.18	195.76	121.19	103.17	1648.24
5	104.51	92.99	101.29	96.37	98.04	93.43	95.55	96.01	93.60	97.60	94.97	97.06	1161.42
6	95.45	87.37	94.94	91.07	91.24	82.76	84.05	83.56	83.97	96.35	93.99	95.78	1103.92
7	94.51	83.98	91.23	86.32	87.23	82.77	84.05	83.56	83.97	91.37	90.10	92.78	1051.85
8	91.43	81.15	88.02	83.10	82.89	82.89	82.89	82.21	80.74	86.85	85.48	87.55	1014.08
9	86.43	76.56	82.74	77.80	78.80	75.50	77.69	77.60	78.52	82.34	82.48	85.13	960.33
10	83.24	73.25	79.34	74.41	74.95	74.05	78.09	78.37	78.53	84.52	84.25	87.25	950.24
11	85.65	75.61	81.44	76.98	77.26	74.96	78.96	81.85	83.50	91.62	91.65	94.75	993.02
12	93.38	82.87	86.00	84.88	83.54	83.54	88.89	92.45	93.28	91.62	96.20	98.90	1087.66
13	97.40	86.50	97.01	92.13	93.70	90.06	93.71	94.66	127.56	160.42	135.85	103.33	1252.56
14	102.27	93.53	101.94	96.98	98.79	95.31	99.13	100.07	97.89	103.71	99.61	102.32	1191.56
15	103.67	92.24	100.40	95.38	97.18	93.61	96.95	97.18	94.56	99.96	98.31	101.11	1170.57
16	100.13	89.20	97.09	92.09	96.40	92.20	95.07	94.38	91.82	97.07	94.46	96.64	1136.54
17	95.17	84.44	91.56	86.49	87.22	84.09	87.11	85.58	83.13	89.63	89.48	92.48	1056.38
18	81.10	81.10	87.95	83.06	84.22	79.72	81.60	82.37	82.17	88.81	88.04	91.31	1021.64
19	90.41	80.38	87.19	82.36	82.84	80.12	84.42	84.89	84.88	92.14	90.76	93.42	1033.80
20	92.33	82.06	89.08	84.31	85.39	82.74	85.65	84.07	80.36	83.49	80.95	82.58	1013.00
21	81.09	72.09	77.75	73.01	73.50	72.41	77.95	82.02	86.87	96.10	93.76	97.42	983.96
22	95.80	87.06	95.26	90.25	91.23	88.40	92.27	91.96	89.51	93.29	89.26	90.23	1093.11
23	88.43	78.06	84.07	78.71	79.60	78.25	82.13	81.14	78.49	81.55	80.15	82.48	973.05
24	80.88	71.79	77.31	72.30	72.24	72.05	79.32	83.62	84.79	92.35	92.16	95.54	973.36
25	84.06	83.44	90.55	85.74	86.97	82.54	83.24	80.80	78.41	85.13	85.66	88.82	1023.35
26	97.38	77.33	83.51	78.59	80.13	88.85	92.57	92.57	74.33	99.60	98.97	102.34	1064.10
27	101.35	90.33	98.36	94.75	94.75	93.32	95.63	94.94	93.71	98.47	97.93	101.25	1153.49
28	100.26	89.33	97.22	92.23	96.54	92.74	95.81	96.12	94.06	95.45	92.50	97.16	1139.42
29	95.27	84.30	91.25	86.17	87.00	84.21	87.84	87.60	86.33	92.69	91.31	93.53	1067.51
30	91.95	81.43	88.14	83.16	84.40	81.48	86.31	89.55	89.30	94.99	92.57	94.31	1057.61
31	92.72	82.08	88.83	83.79	84.90	85.89	94.34	96.98	94.17	100.52	99.93	104.05	1108.21
32	102.89	125.32	99.34	138.94	132.85	93.00	97.29	97.58	134.23	129.73	99.86	102.27	1343.30
33	103.69	92.28	100.44	95.37	96.95	92.53	95.64	97.50	97.12	103.80	136.57	102.98	1214.86
34	104.34	92.82	101.04	96.01	97.44	93.90	96.18	96.40	94.54	99.18	98.19	97.99	1165.61
35	96.38	88.18	95.82	90.77	92.35	120.48	130.48	133.07	130.30	145.81	195.54	103.53	1392.70
36	102.74	94.15	102.73	97.77	99.32	94.90	97.43	133.20	130.29	138.60	138.81	140.97	1370.91
37	129.71	127.74	138.75	131.28	132.42	127.43	133.44	134.90	170.55	196.57	136.53	129.57	1690.87
38	141.05	124.79	134.98	93.09	97.40	92.91	94.57	114.01	128.26	190.60	199.45	103.39	1514.49
39	102.43	93.72	102.15	97.12	98.40	131.37	137.43	136.58	135.22	175.55	99.52	104.12	1413.60
40	140.69	124.55	98.67	128.24	107.18	93.98	132.41	138.76	130.01	141.86	166.67	103.33	1500.36
41	129.84	93.27	101.75	96.76	98.21	94.39	97.83	133.39	133.40	151.21	195.61	103.34	1430.99
42	102.30	93.57	101.96	96.90	98.75	95.05	98.11	99.31	98.34	129.61	100.36	103.35	1217.61
43	143.60	93.10	101.53	96.62	98.30	130.42	136.28	137.69	135.78	196.06	166.79	103.20	1539.36
44	129.65	127.30	100.91	131.08	96.76	131.60	141.88	143.55	164.24	141.58	99.90	129.83	1538.28
45	103.07	91.64	99.71	94.64	95.96	93.38	97.94	98.00	132.25	141.21	109.06	103.37	1260.23
46	102.36	93.73	102.27	97.30	99.27	95.89	98.65	98.02	94.99	99.57	96.56	98.24	1176.64
47	96.42	88.15	95.85	90.99	92.06	91.06	97.15	95.24	101.78	140.54	135.79	103.27	1228.30
48	129.84	93.32	101.83	96.86	134.75	131.27	138.85	141.04	139.05	197.17	136.54	143.58	1584.10
49	141.19	125.16	135.59	127.97	97.45	127.85	131.76	133.77	130.07	141.84	190.11	143.31	1624.67
50	140.66	124.47	184.83	128.64	130.22	125.57	131.39	173.38	189.26	194.20	195.59	141.49	1860.01
TOTAL	5237.40	4636.09	4977.18	4738.08	4722.50	4775.65	5061.79	5288.39	5458.66	6123.58	5718.32	5123.72	61841.46
AVE	104.75	92.72	99.54	94.76	94.45	95.51	101.24	105.37	109.17	122.47	114.37	102.47	1236.83
MAX	143.60	127.74	184.83	131.28	134.75	132.26	141.88	173.38	189.26	197.17	199.45	143.58	1860.01
MIN	80.88	71.79	77.51	72.30	72.24	72.05	77.69	76.62	76.62	81.55	80.15	82.48	950.24

* MONTHLY PEAK POWER (MW) * CASE 1 (AVAILABLE DRAWDOWN = 65 MW)

NO. YEAR	< JAN. >	< FEB. >	< MAR. >	< APR. >	< MAY. >	< JUN. >	< JUL. >	< AUG. >	< SEP. >	< OCT. >	< NOV. >	< DEC. >	< TOTAL >
1	137.73	139.60	137.47	135.12	132.51	181.94	182.59	179.77	183.73	244.44	264.25	139.04	2058.19
2	137.76	139.70	137.67	135.28	133.01	132.64	135.21	188.90	192.12	189.73	139.38	138.86	1800.25
3	174.47	138.66	136.58	134.34	132.62	183.69	185.67	186.39	191.24	264.59	139.25	138.74	2006.23
4	192.64	188.89	184.64	180.05	128.66	179.04	184.96	188.75	261.37	265.12	168.32	138.67	2259.10
5	140.47	138.38	136.14	133.85	131.77	129.76	128.43	129.05	130.00	131.18	131.91	130.46	1591.40
6	128.29	130.01	127.61	125.10	122.63	121.19	121.60	122.38	124.94	129.50	130.54	128.73	1512.53
7	127.03	124.98	122.63	119.89	117.25	114.96	112.97	112.31	116.62	122.81	125.14	124.68	1441.25
8	122.99	120.76	118.31	115.42	112.95	111.41	110.50	104.30	112.15	116.73	118.72	117.67	1389.48
9	116.17	113.92	111.20	108.68	105.91	104.86	104.42	104.30	106.70	110.68	114.55	114.43	1315.82
10	111.88	109.00	106.65	103.34	100.74	102.84	104.96	105.33	109.07	113.60	117.02	117.27	1301.69
11	115.12	112.51	109.46	106.92	103.85	104.11	107.47	110.02	115.69	123.15	127.30	127.33	1362.93
12	125.51	123.31	120.81	118.03	115.59	116.03	119.47	124.26	129.56	130.76	133.62	132.93	1489.88
13	130.92	128.72	130.39	127.96	125.94	125.09	125.96	127.24	177.17	188.74	188.68	138.89	1715.70
14	137.46	139.18	137.02	134.70	132.78	132.38	133.24	134.50	135.95	139.39	138.35	137.53	1632.50
15	139.34	137.27	134.95	132.47	130.62	130.02	130.31	130.62	131.34	134.36	136.54	135.90	1603.73
16	134.59	132.74	130.49	127.91	129.56	128.05	127.78	126.85	127.53	130.47	131.19	129.89	1557.06
17	127.92	125.66	123.06	120.12	117.23	116.80	117.08	115.03	115.46	120.46	124.28	124.29	1447.40
18	122.73	120.68	118.21	115.36	113.19	110.72	109.67	110.71	114.13	119.36	122.28	122.73	1399.78
19	121.51	119.61	117.19	114.39	111.34	111.28	113.47	114.10	117.89	123.84	126.05	125.56	1416.24
20	124.09	122.11	119.73	117.10	114.77	114.92	115.12	112.99	111.61	112.22	112.44	111.00	1388.08
21	109.00	107.27	104.50	101.60	98.79	100.57	104.77	110.25	120.65	129.16	130.23	130.94	1347.52
22	128.76	130.45	128.04	125.34	122.62	122.78	124.02	123.60	124.31	125.38	123.98	121.28	1500.56
23	118.55	116.16	112.99	109.32	106.99	108.68	110.38	109.06	109.60	109.60	111.32	110.86	1333.25
24	108.71	106.83	103.91	100.42	97.09	100.07	104.61	111.05	117.77	124.13	128.01	128.42	1333.02
25	126.42	124.16	121.71	119.09	116.89	114.63	111.88	108.60	108.90	114.42	118.98	119.59	1405.06
26	117.45	115.07	112.24	109.16	107.70	111.80	119.42	124.44	131.02	133.88	137.46	137.55	1457.16
27	136.22	134.42	132.21	129.80	127.35	129.61	128.53	127.61	130.16	132.35	136.01	136.08	1580.35
28	134.76	132.93	130.67	128.10	129.76	128.81	128.77	129.20	130.64	128.29	128.47	130.60	1560.98
29	128.55	125.45	122.65	119.69	116.94	116.96	118.06	119.74	119.90	124.59	126.82	125.71	1462.55
30	123.59	121.18	118.47	115.50	113.45	113.17	116.01	120.37	124.03	127.68	128.57	126.76	1448.77
31	124.63	122.15	119.40	116.38	114.11	119.29	126.80	130.35	130.79	135.10	138.79	139.86	1517.65
32	158.29	186.49	133.52	179.08	178.57	129.17	130.76	131.16	186.43	174.37	138.69	137.46	1843.99
33	139.37	137.31	135.01	132.46	130.31	128.52	128.55	131.05	134.88	139.52	189.68	138.41	1665.05
34	140.24	138.12	135.81	133.35	130.96	129.85	129.28	129.57	131.30	133.50	133.59	131.71	1597.08
35	129.55	131.23	128.79	126.07	124.12	125.66	175.38	178.86	180.97	195.98	271.59	139.15	1907.33
36	138.10	140.10	138.08	135.79	133.49	131.81	130.95	179.04	180.95	186.29	192.79	189.47	1876.87
37	174.34	190.08	186.49	182.33	177.99	176.98	172.36	184.00	236.88	264.21	189.62	174.15	2316.42
38	189.58	185.71	181.42	129.29	130.92	129.04	127.11	153.24	178.13	236.18	277.02	138.97	2076.59
39	137.67	139.46	137.30	134.88	132.26	182.46	184.72	183.58	187.80	235.95	138.22	139.95	1934.25
40	189.11	185.34	182.62	178.10	144.06	130.55	177.98	178.45	180.57	190.67	231.49	138.89	2057.80
41	174.52	138.80	136.76	134.39	132.00	131.09	131.49	181.98	185.27	203.24	271.68	138.90	1960.11
42	137.51	139.24	137.05	134.58	132.73	132.01	131.87	133.48	136.59	174.20	139.39	138.91	1667.55
43	193.00	138.54	136.46	134.20	132.13	181.14	183.17	185.06	188.59	263.52	231.66	138.71	2106.16
44	174.27	189.43	135.64	132.45	130.06	182.77	190.70	192.95	228.11	190.30	138.75	174.50	2109.52
45	138.54	136.36	134.02	131.45	128.98	129.70	131.63	131.72	183.68	189.80	151.47	138.94	1726.29
46	137.58	139.47	137.46	135.14	133.43	132.90	133.60	131.73	132.52	133.83	134.11	132.04	1612.23
47	129.60	131.18	128.83	126.38	123.73	126.47	130.58	128.02	132.52	188.90	186.60	138.80	1673.61
48	174.52	138.87	136.87	134.53	181.11	182.31	186.63	189.57	193.13	265.01	189.65	192.98	2165.18
49	189.77	186.25	182.24	177.74	130.98	177.02	177.10	178.46	180.65	190.64	264.05	192.62	2227.51
50	189.06	185.22	248.43	178.67	175.02	174.82	176.61	233.04	262.86	261.02	271.65	190.17	2546.59
TOTAL	7039.52	6898.92	6689.74	6580.66	6347.44	6832.84	6803.47	7081.18	7572.64	8230.62	7942.11	6886.71	84705.81
AVE	140.79	137.98	133.79	131.61	126.95	132.66	136.07	141.62	151.45	164.61	158.84	137.73	1694.12
MAX	193.00	190.08	248.43	182.33	181.11	183.69	190.70	233.04	262.86	265.01	277.02	192.98	2546.59
MIN	108.71	106.83	103.91	100.42	97.09	100.07	104.42	104.30	106.70	109.60	111.32	110.86	1301.69

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (MW)	E (GWH)	T (CH)	ETG (M3/S)	QCR (M3/S)	GUP (M3/S)	LOSS (CM)	SUIT (M)
1	1	1	31	282.9	46075.1	1288.8	(41.57) 3162.0(102.00)	0.0	158.46	103.01	24.0	0.808	193.57	102.00	6.35	283.82
2	1	2	28	280.3	43310.9	875.8	(20.96) 3640.0(130.00)	0.0	191.99	129.01	24.0	0.891	196.53	130.00	6.35	281.61
3	1	3	31	277.8	40798.6	649.7	(31.28) 3162.0(102.00)	0.0	137.54	102.33	24.0	0.825	198.69	102.00	6.35	279.04
4	1	4	30	275.4	38440.4	701.8	(23.39) 3060.0(102.00)	0.0	135.19	97.54	24.0	0.823	200.85	102.00	6.35	276.61
5	1	5	31	272.4	35541.6	263.2	(8.49) 3162.0(102.00)	0.0	152.59	98.64	24.0	0.821	203.43	102.00	6.35	273.90
6	1	6	30	275.8	38850.2	720.8	(24.0) 3900.0(130.00)	0.0	182.04	131.07	24.0	0.884	203.23	130.00	6.35	274.11
7	1	7	31	273.4	36478.1	1657.9	(53.48) 4030.0(130.00)	0.0	182.69	135.92	24.0	0.885	202.75	130.00	6.35	274.60
8	1	8	31	271.5	34752.4	2304.3	(74.33) 4030.0(130.00)	0.0	179.87	133.82	24.0	0.886	204.88	130.00	6.35	272.46
9	1	9	30	279.4	42401.1	11548.7	(384.96) 3900.0(130.00)	0.0	183.83	132.36	24.0	0.886	201.92	130.00	6.35	275.47
10	1	10	31	282.6	45707.0	8730.9	(281.64) 5425.0(175.00)	0.0	261.11	194.26	24.0	0.905	197.04	175.00	6.35	280.99
11	1	11	30	284.8	48023.8	7566.8	(252.23) 5250.0(175.00)	0.0	238.87	189.99	24.0	0.900	193.79	175.00	6.35	283.69
12	1	12	31	283.7	46901.9	2040.1	(65.81) 3162.0(102.00)	0.0	138.84	103.30	24.0	0.868	192.92	102.00	6.35	284.25
							3736.4(123.20) 3823.6(125.83)	0.0	177.33	129.25		0.866	6057.	3824.	6.35	278.58
13	2	1	31	281.9	45002.5	1262.6	(40.73) 3162.0(102.00)	0.0	137.56	102.34	24.0	0.807	195.56	102.00	6.35	282.82
14	2	2	28	280.2	43193.4	1047.0	(37.39) 2856.0(102.00)	0.0	139.48	93.73	24.0	0.827	197.00	102.00	6.35	281.05
15	2	3	31	277.7	40711.1	679.7	(19.93) 3162.0(102.00)	0.0	137.44	102.26	24.0	0.825	198.77	102.00	6.35	278.94
16	2	4	30	275.2	38239.5	588.4	(19.61) 3060.0(102.00)	0.0	135.05	97.23	24.0	0.823	200.99	102.00	6.35	276.46
17	2	5	31	273.0	36100.7	1023.2	(33.01) 3162.0(102.00)	0.0	152.77	98.78	24.0	0.821	203.24	102.00	6.35	274.09
18	2	6	30	274.4	37502.2	4461.5	(148.72) 3060.0(102.00)	0.0	132.41	95.33	24.0	0.821	203.62	102.00	6.35	273.71
19	2	7	31	278.3	41341.2	7001.0	(225.84) 3162.0(102.00)	0.0	134.98	100.43	24.0	0.823	201.05	102.00	6.35	276.39
20	2	8	31	279.8	42794.3	5483.1	(176.87) 4030.0(130.00)	0.0	188.59	140.31	24.0	0.889	198.78	130.00	6.35	279.06
21	2	9	30	283.2	46335.1	7440.8	(248.03) 3900.0(130.00)	0.0	191.81	138.11	24.0	0.868	193.64	130.00	6.35	281.49
22	2	10	31	284.6	4787.3	5542.2	(178.78) 4030.0(130.00)	0.0	189.44	140.94	24.0	0.868	193.46	130.00	6.35	283.90
23	2	11	30	284.7	47903.9	3116.6	(103.89) 3060.0(102.00)	0.0	159.18	100.21	24.0	0.808	192.49	102.00	6.35	284.64
24	2	12	31	283.4	46603.0	1861.1	(60.04) 3162.0(102.00)	0.0	138.66	103.16	24.0	0.808	193.22	102.00	6.35	284.05
							3292.3(107.90) 3317.2(109.00)	0.0	149.78	109.40		0.834	6020.	3317.	6.35	279.72
25	3	1	31	280.9	43986.3	1103.3	(35.59) 3720.0(120.00)	0.0	174.19	129.59	24.0	0.873	196.07	120.00	6.35	282.19
26	3	2	28	279.0	42010.4	880.1	(31.43) 2856.0(102.00)	0.0	138.44	93.03	24.0	0.826	197.89	102.00	6.35	279.97
27	3	3	31	276.6	39617.4	769.0	(24.81) 3162.0(102.00)	0.0	136.35	101.44	24.0	0.824	199.76	102.00	6.35	277.81
28	3	4	30	274.3	37406.6	849.2	(28.31) 3060.0(102.00)	0.0	134.10	96.55	24.0	0.822	201.90	102.00	6.35	275.48
29	3	5	31	273.0	36148.3	1903.7	(61.41) 3162.0(102.00)	0.0	132.38	98.49	24.0	0.821	203.64	102.00	6.35	273.69
30	3	6	30	277.2	40204.4	7956.1	(265.20) 3900.0(130.00)	0.0	183.37	132.03	24.0	0.885	202.25	130.00	6.35	275.12
31	3	7	31	276.0	39043.8	2869.4	(92.56) 4030.0(130.00)	0.0	185.35	137.90	24.0	0.887	200.85	130.00	6.35	276.62
32	3	8	31	278.3	41291.0	6277.2	(202.49) 4030.0(130.00)	0.0	186.07	138.44	24.0	0.887	200.35	130.00	6.35	277.16
33	3	9	30	283.4	46514.2	9123.2	(304.11) 3900.0(130.00)	0.0	190.94	137.88	24.0	0.890	197.18	130.00	6.35	280.83
34	3	10	31	285.0	48246.6	6537.4	(210.88) 4805.0(155.00)	0.0	231.03	171.89	24.0	0.887	193.04	155.00	6.34	284.17
35	3	11	30	284.4	47595.5	3248.9	(108.30) 3900.0(130.00)	0.0	190.47	137.14	24.0	0.868	192.43	130.00	6.35	284.68
36	3	12	31	283.0	46186.4	1753.0	(56.55) 3162.0(102.00)	0.0	138.36	102.94	24.0	0.808	193.75	102.00	6.35	283.71
							3605.9(118.47) 3640.6(119.58)	0.0	168.42	123.08		0.857	6030.	3641.	6.35	279.29
37	4	1	31	280.3	43314.4	1158.0	(37.35) 4030.0(130.00)	0.0	192.06	142.89	24.0	0.891	196.49	130.00	6.35	281.67
38	4	2	28	277.4	40382.9	708.5	(25.30) 3640.0(130.00)	0.0	188.29	126.53	24.0	0.889	198.97	130.00	6.35	278.84
39	4	3	31	273.8	36916.7	563.8	(18.19) 4030.0(130.00)	0.0	184.02	136.91	24.0	0.886	201.78	130.00	6.35	275.61
40	4	4	30	270.4	33678.3	661.6	(22.05) 3900.0(130.00)	0.0	179.41	129.18	24.0	0.882	205.24	130.00	6.35	272.11
41	4	5	31	268.2	31889.0	1172.7	(37.83) 3162.0(102.00)	0.0	128.19	95.37	24.0	0.817	208.26	102.00	6.35	269.29
42	4	6	30	274.5	37331.2	9742.2	(324.74) 3900.0(130.00)	0.0	178.40	128.45	24.0	0.882	206.04	130.00	6.35	271.33
43	4	7	31	277.2	40234.2	6733.0	(217.19) 4030.0(130.00)	0.0	184.34	137.15	24.0	0.886	201.55	130.00	6.35	273.86
44	4	8	31	280.2	43254.3	7050.1	(227.42) 4030.0(130.00)	0.0	188.15	139.99	24.0	0.889	198.95	130.00	6.35	278.73
45	4	9	30	281.8	44870.4	8266.1	(208.87) 4650.0(155.00)	0.0	230.92	166.26	24.0	0.903	197.02	155.00	6.34	281.01
46	4	10	31	285.0	48242.3	8796.9	(283.77) 5425.0(175.00)	0.0	263.36	195.94	24.0	0.900	194.26	175.00	6.35	283.39
47	4	11	30	285.0	48263.9	3722.5	(124.08) 3700.9(123.36)	0.0	175.90	126.65	24.0	0.843	191.94	123.36	6.35	284.99
48	4	12	31	283.2	46346.3	1244.4	(40.14) 3162.0(102.00)	0.0	138.70	103.19	24.0	0.808	193.15	102.00	6.35	284.10
							3985.0(130.58) 3971.7(130.61)	0.0	185.98	135.71		0.873	6067.	3972.	6.35	278.08

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H	S	GIN	QG	QOUT	P	E	T	ETG	QCR	QUP	LOSS	SUII
				(M)	(M3/SD)	(M3/SD)	(M3/SD)	(M3/SD)	(MM)	(GWH)	(H)	(M3/S)	(M3/S)	(M3/S)	(M)	(M)
49	5	1	31	281.0	44061.2	876.90	28.29	3162.0(102.00)	140.51	104.54	24.0	0.828	196.14	102.00	6.35	282.11
50	5	2	28	278.9	41910.2	705.00	(25.18)	2856.0(102.00)	138.43	93.02	24.0	0.826	197.90	102.00	6.35	279.96
51	5	3	31	276.4	39383.6	635.40	(20.50)	3162.0(102.00)	136.19	101.32	24.0	0.824	200.00	102.00	6.35	277.64
52	5	4	30	274.1	37217.9	894.30	(29.81)	3060.0(102.00)	133.89	96.40	24.0	0.822	202.11	102.00	6.35	275.26
53	5	5	31	272.0	35210.8	1154.90	(37.25)	3162.0(102.00)	131.81	98.07	24.0	0.820	204.24	102.00	6.35	273.09
54	5	6	30	269.9	33272.4	1121.60	(37.39)	3060.0(102.00)	129.80	93.66	24.0	0.819	206.41	102.00	6.35	270.99
55	5	7	31	269.3	32643.7	2533.30	(81.72)	3162.0(102.00)	128.48	95.59	24.0	0.817	207.92	102.00	6.35	269.60
56	5	8	31	271.2	34468.7	4987.00	(160.87)	3162.0(102.00)	129.10	96.05	24.0	0.818	207.21	102.00	6.35	270.25
57	5	9	30	271.2	34466.7	3058.00	(101.93)	3060.0(102.00)	130.04	93.63	24.0	0.819	206.15	102.00	6.35	271.24
58	5	10	31	273.7	36804.2	5499.50	(177.40)	3162.0(102.00)	131.22	97.63	24.0	0.819	204.86	102.00	6.35	272.48
59	5	11	30	272.8	35887.6	2143.50	(71.45)	3060.0(102.00)	131.95	95.00	24.0	0.821	204.09	102.00	6.35	273.23
60	5	12	31	270.7	33959.4	4253.80	(39.80)	3162.0(102.00)	130.50	97.09	24.0	0.819	205.64	102.00	6.35	271.72
						2070.50	(67.63)	3102.5(102.00)	132.66	96.82		0.821	6192.	3102.	6.35	273.96
61	6	1	31	268.2	31896.9	899.50	(29.02)	3162.0(102.00)	128.33	95.48	24.0	0.817	208.08	102.00	6.35	269.45
62	6	2	28	265.7	29493.4	652.50	(23.30)	2856.0(102.00)	130.03	87.39	24.0	0.842	214.40	102.00	6.35	266.96
63	6	3	31	265.0	28877.3	626.70	(20.22)	1242.8(40.09)	50.24	37.38	24.0	0.832	214.40	40.09	6.38	265.36
64	6	4	30	265.0	28877.3	794.80	(26.49)	794.8(26.49)	33.30	23.97	24.0	0.835	214.40	26.49	6.39	265.00
65	6	5	31	265.0	28877.3	878.00	(28.32)	878.0(28.32)	35.57	26.46	24.0	0.835	214.40	28.32	6.39	265.00
66	6	6	30	265.0	28877.3	2728.90	(90.96)	2728.9(90.96)	112.51	81.01	24.0	0.841	214.40	90.96	6.36	265.00
67	6	7	31	266.2	29950.3	4235.00	(136.61)	3162.0(102.00)	128.87	95.88	24.0	0.841	214.40	102.00	6.35	265.62
68	6	8	31	266.6	30273.8	3485.50	(112.44)	3162.0(102.00)	129.58	96.41	24.0	0.841	214.40	102.00	6.35	266.42
69	6	9	30	271.5	34744.1	7530.30	(251.01)	3060.0(102.00)	127.97	92.14	24.0	0.817	208.50	102.00	6.35	269.07
70	6	10	31	276.1	39075.8	7493.70	(241.73)	3162.0(102.00)	132.49	98.57	24.0	0.821	203.53	102.00	6.35	273.80
71	6	11	30	273.7	36793.9	778.10	(25.94)	3060.0(102.00)	133.53	96.14	24.0	0.822	202.47	102.00	6.35	274.88
72	6	12	31	272.3	35445.3	1813.40	(58.50)	3162.0(102.00)	131.72	98.00	24.0	0.820	204.33	102.00	6.35	272.99
						2659.70	(87.04)	2535.9(83.49)	106.18	77.40		0.829	6406.	2536.	6.36	268.29
73	7	1	31	270.2	33474.5	1191.20	(38.43)	3162.0(102.00)	130.03	96.74	24.0	0.819	206.15	102.00	6.35	271.22
74	7	2	28	268.0	31541.9	923.40	(32.98)	2856.0(102.00)	128.00	86.02	24.0	0.817	208.47	102.00	6.35	269.10
75	7	3	31	265.3	29149.0	769.10	(24.81)	3162.0(102.00)	129.80	96.57	24.0	0.842	214.40	102.00	6.35	266.67
76	7	4	30	265.0	28877.3	594.60	(19.82)	866.3(28.88)	36.30	26.13	24.0	0.835	214.40	28.88	6.39	265.16
77	7	5	31	265.0	28877.3	1112.50	(35.89)	1112.5(35.89)	44.94	33.43	24.0	0.835	214.40	35.89	6.38	265.00
78	7	6	30	265.0	28877.3	1553.50	(45.12)	1553.5(45.12)	56.29	40.53	24.0	0.831	214.40	45.12	6.38	265.00
79	7	7	31	265.0	28877.3	1723.20	(55.59)	1723.2(55.59)	69.08	51.39	24.0	0.828	214.40	55.59	6.37	265.00
80	7	8	31	265.5	29280.2	3564.90	(115.00)	3162.0(102.00)	128.54	95.63	24.0	0.841	214.40	102.00	6.35	265.23
81	7	9	30	272.9	35985.8	9765.60	(325.52)	3060.0(102.00)	128.06	92.21	24.0	0.817	208.40	102.00	6.35	269.16
82	7	10	31	276.8	39849.2	7025.40	(226.63)	3162.0(102.00)	133.50	99.32	24.0	0.822	202.50	102.00	6.35	274.85
83	7	11	30	277.2	40229.2	3440.00	(114.67)	3060.0(102.00)	135.60	97.64	24.0	0.824	200.46	102.00	6.35	277.04
84	7	12	31	276.0	38992.1	1924.90	(62.09)	3162.0(102.00)	135.19	100.58	24.0	0.823	200.85	102.00	6.35	276.60
						2782.40	(91.38)	2486.8(81.79)	104.61	76.35		0.828	6371.	2487.	6.36	269.17
85	8	1	31	273.9	36954.7	1124.60	(36.28)	3162.0(102.00)	133.57	99.38	24.0	0.822	202.43	102.00	6.35	274.93
86	8	2	28	272.0	35158.9	1060.20	(37.86)	2856.0(102.00)	131.65	88.47	24.0	0.820	204.40	102.00	6.35	272.93
87	8	3	31	269.4	32737.2	740.30	(25.88)	3162.0(102.00)	129.50	96.35	24.0	0.818	206.75	102.00	6.35	270.67
88	8	4	30	266.7	30363.1	685.90	(22.86)	3060.0(102.00)	130.99	94.32	24.0	0.842	213.68	102.00	6.35	268.03
89	8	5	31	265.0	28877.3	1594.70	(51.44)	3080.5(99.37)	126.39	94.04	24.0	0.846	214.40	99.37	6.35	265.85
90	8	6	30	265.0	28913.7	3096.40	(103.21)	3060.0(102.00)	128.35	92.41	24.0	0.841	214.40	102.00	6.35	265.02
91	8	7	31	265.0	28877.3	2295.80	(74.06)	2332.2(75.23)	92.33	68.69	24.0	0.819	214.40	75.23	6.36	265.02
92	8	8	31	265.0	28877.3	2656.00	(85.68)	2656.0(85.68)	105.23	78.29	24.0	0.820	214.40	85.68	6.36	265.00
93	8	9	30	268.4	31916.0	6098.70	(203.29)	3060.0(102.00)	129.85	93.49	24.0	0.842	214.40	102.00	6.35	266.72
94	8	10	31	273.1	36232.8	7478.80	(241.25)	3162.0(102.00)	129.61	96.43	24.0	0.818	206.63	102.00	6.35	270.78
95	8	11	30	272.0	35175.5	2002.70	(66.76)	3060.0(102.00)	131.30	94.54	24.0	0.820	204.78	102.00	6.35	272.56
96	8	12	31	271.2	34442.9	2429.40	(78.37)	3162.0(102.00)	130.39	97.01	24.0	0.819	205.76	102.00	6.35	271.60
						2605.30	(85.41)	2984.4(98.19)	124.93	91.12		0.827	6379.	2984.	6.35	269.09

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	GG (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG (M3/S)	QCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)
97	9	1	31	269.3	32692.5	1411.6 (45.54)	3162.0 (102.00)	0.0	129.11	96.06	24.0	0.818	207.19	102.00	6.35	270.26
98	2	28	267.2	30836.3	999.8 (35.71)	2856.0 (102.00)	0.0	0.0	131.21	88.17	24.0	0.842	213.58	102.00	6.35	268.27
99	3	31	265.0	28877.3	826.9 (32.67)	2765.9 (89.87)	0.0	0.0	112.36	83.60	24.0	0.829	214.40	89.87	6.36	266.12
100	4	30	265.0	28877.3	714.5 (33.82)	714.5 (33.82)	0.0	0.0	29.96	21.57	24.0	0.836	214.40	23.82	6.39	265.00
101	5	31	265.0	28877.3	1069.2 (34.49)	1069.2 (34.49)	0.0	0.0	43.21	32.15	24.0	0.833	214.40	34.49	6.38	265.00
102	6	30	265.5	29334.2	3516.9 (117.23)	3060.0 (102.00)	0.0	0.0	128.56	92.57	24.0	0.841	214.40	102.00	6.35	265.26
103	7	31	265.0	28877.3	2050.4 (66.14)	2507.3 (80.88)	0.0	0.0	99.47	74.01	24.0	0.820	214.40	80.88	6.36	265.26
104	8	31	266.1	29797.4	4082.1 (131.68)	3162.0 (102.00)	0.0	0.0	128.80	95.82	24.0	0.841	214.40	102.00	6.35	265.53
105	9	30	269.2	32616.2	5878.8 (195.96)	3060.0 (102.00)	0.0	0.0	130.65	94.07	24.0	0.842	214.16	102.00	6.35	267.64
106	10	31	273.8	36926.7	7472.5 (241.05)	3162.0 (102.00)	0.0	0.0	130.32	96.96	24.0	0.819	205.83	102.00	6.35	271.53
107	11	30	275.5	38536.5	4669.6 (155.65)	3060.0 (102.00)	0.0	0.0	133.33	96.00	24.0	0.822	202.67	102.00	6.35	274.68
108	12	31	273.6	36729.0	1354.7 (43.70)	3162.0 (102.00)	0.0	0.0	133.23	99.13	24.0	0.822	202.77	102.00	6.35	274.57
					2837.2 (93.14)	2646.7 (87.09)	0.0	0.0	110.85	80.84		0.830	6418.	2647.	6.36	268.26
109	10	1	271.3	34570.0	1003.0 (32.35)	3162.0 (102.00)	0.0	0.0	131.24	97.64	24.0	0.820	204.84	102.00	6.35	272.49
110	2	28	269.0	32414.5	700.5 (25.02)	2856.0 (102.00)	0.0	0.0	129.03	86.71	24.0	0.818	207.29	102.00	6.35	270.17
111	3	31	266.2	29909.0	656.5 (21.18)	3162.0 (102.00)	0.0	0.0	130.61	97.17	24.0	0.842	214.22	102.00	6.35	267.59
112	4	30	265.0	28877.3	527.7 (17.59)	1559.4 (51.98)	0.0	0.0	64.95	46.76	24.0	0.829	214.40	51.98	6.38	265.59
113	5	31	265.0	28877.3	1938.5 (62.53)	1938.5 (62.53)	0.0	0.0	77.50	57.66	24.0	0.826	214.40	62.53	6.37	265.00
114	6	30	269.9	33206.6	7389.3 (246.31)	3060.0 (102.00)	0.0	0.0	130.47	93.94	24.0	0.842	214.40	102.00	6.35	267.43
115	7	31	268.5	31919.3	1874.7 (60.47)	3162.0 (102.00)	0.0	0.0	128.06	95.28	24.0	0.817	208.40	102.00	6.35	269.16
116	8	31	270.5	33787.5	5030.0 (162.26)	3162.0 (102.00)	0.0	0.0	128.36	95.50	24.0	0.817	208.05	102.00	6.35	269.48
117	9	30	274.9	37952.4	7225.1 (240.84)	3060.0 (102.00)	0.0	0.0	131.44	94.64	24.0	0.820	204.62	102.00	6.35	272.71
118	10	31	278.5	41506.4	6716.0 (216.65)	3162.0 (102.00)	0.0	0.0	135.29	100.65	24.0	0.824	200.76	102.00	6.35	276.71
119	11	30	280.4	43425.5	4979.1 (165.97)	3060.0 (102.00)	0.0	0.0	137.93	99.31	24.0	0.826	198.34	102.00	6.35	279.45
120	12	31	278.9	41926.4	1662.9 (53.64)	3162.0 (102.00)	0.0	0.0	138.13	102.77	24.0	0.826	198.16	102.00	6.35	279.66
					3308.6 (108.73)	2875.5 (94.54)	0.0	0.0	121.92	89.00		0.826	6306.	2875.	6.36	271.29
121	11	1	276.9	39903.3	1138.9 (36.74)	3162.0 (102.00)	0.0	0.0	136.45	101.52	24.0	0.825	199.68	102.00	6.35	277.91
122	2	28	274.8	37817.4	770.1 (27.50)	2856.0 (102.00)	0.0	0.0	134.45	90.35	24.0	0.823	201.57	102.00	6.35	275.84
123	3	31	272.1	35310.5	654.9 (21.13)	3162.0 (102.00)	0.0	0.0	132.16	98.33	24.0	0.821	203.87	102.00	6.35	273.45
124	4	30	269.5	32892.5	642.2 (21.41)	3060.0 (102.00)	0.0	0.0	129.66	93.35	24.0	0.819	206.58	102.00	6.35	270.83
125	5	31	267.0	30582.7	852.2 (27.49)	3162.0 (102.00)	0.0	0.0	131.18	97.60	24.0	0.842	213.42	102.00	6.35	268.24
126	6	30	269.7	33060.2	5777.5 (192.58)	3300.0 (110.00)	0.0	0.0	144.05	103.72	24.0	0.857	213.51	110.00	6.35	268.33
127	7	31	272.4	35547.8	5649.6 (182.25)	3162.0 (102.00)	0.0	0.0	129.86	96.62	24.0	0.819	206.34	102.00	6.35	271.05
128	8	31	274.0	37052.4	5334.6 (178.54)	4030.0 (130.00)	0.0	0.0	180.82	134.53	24.0	0.883	204.14	130.00	6.35	273.18
129	9	30	279.8	42852.5	9700.2 (323.34)	3900.0 (130.00)	0.0	0.0	185.73	135.73	24.0	0.887	200.58	130.00	6.35	276.91
130	10	31	284.9	48157.9	9335.4 (301.14)	4030.0 (130.00)	0.0	0.0	192.99	143.59	24.0	0.892	195.92	130.00	6.35	282.37
131	11	30	284.8	48048.4	4540.5 (151.35)	4650.0 (155.00)	0.0	0.0	232.14	167.14	24.0	0.888	192.16	155.00	6.34	284.85
132	12	31	283.5	46627.7	1741.3 (56.17)	3162.0 (102.00)	0.0	0.0	138.73	103.22	24.0	0.808	193.10	102.00	6.35	284.13
					3861.4 (126.64)	3469.7 (114.08)	0.0	0.0	155.69	113.64		0.847	6161.	3470.	6.35	275.59
133	12	1	280.7	43716.4	1118.7 (36.09)	4030.0 (130.00)	0.0	0.0	192.60	143.29	24.0	0.892	196.16	130.00	6.35	282.07
134	2	28	278.7	41664.7	804.3 (28.72)	2856.0 (102.00)	0.0	0.0	138.15	92.83	24.0	0.826	198.15	102.00	6.35	279.67
135	3	31	275.3	38356.3	721.6 (23.28)	4030.0 (130.00)	0.0	0.0	185.85	138.27	24.0	0.887	200.50	130.00	6.35	277.00
136	4	30	272.0	35164.9	708.6 (23.62)	3900.0 (130.00)	0.0	0.0	181.44	130.64	24.0	0.884	203.67	130.00	6.35	273.66
137	5	31	269.2	32589.3	1454.4 (46.92)	4030.0 (130.00)	0.0	0.0	177.42	132.00	24.0	0.881	206.84	130.00	6.35	270.59
138	6	30	270.9	34179.2	5489.9 (183.00)	3900.0 (130.00)	0.0	0.0	176.73	127.24	24.0	0.881	207.41	130.00	6.35	270.06
139	7	31	273.6	36697.7	6549.5 (211.24)	4030.0 (130.00)	0.0	0.0	179.62	133.64	24.0	0.883	205.07	130.00	6.35	272.27
140	8	31	278.1	41082.9	8415.2 (271.46)	4030.0 (130.00)	0.0	0.0	184.33	137.14	24.0	0.886	201.56	130.00	6.35	275.85
141	9	30	282.1	45182.5	7999.6 (266.65)	3900.0 (130.00)	0.0	0.0	189.96	136.77	24.0	0.890	197.79	130.00	6.35	280.09
142	10	31	284.9	48129.8	8372.3 (270.07)	3423.0 (115.00)	0.0	0.0	263.53	196.06	24.0	0.900	194.10	175.00	6.35	283.48
143	11	30	284.5	47685.5	3455.7 (115.19)	3900.0 (130.00)	0.0	0.0	190.46	137.13	24.0	0.868	192.45	130.00	6.35	284.67
144	12	31	282.0	45046.6	1394.1 (44.87)	4030.0 (130.00)	0.0	0.0	188.53	140.26	24.0	0.867	192.92	130.00	6.35	283.21
					3873.3 (126.76)	4005.1 (131.42)	0.0	0.0	187.38	137.11		0.879	6075.	4005.	6.34	277.72

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	GG (M3/SD)	GOUT (M3/SD)	P (MM)	E (GMW)	T (H)	ETG (M3/S)	GCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)	
145	13	1	31	279.0	41960.5	943.9	(30.45)	4030.0	(130.00)	0.0	190.45	141.69	0.890	197.48	130.00	6.35	280.46
146		2	28	276.1	39121.4	800.9	(28.60)	3640.0	(130.00)	0.0	186.56	125.37	0.887	200.01	130.00	6.35	277.53
147		3	31	272.7	35801.5	710.1	(22.91)	4030.0	(130.00)	0.0	182.41	135.71	0.885	202.96	130.00	6.35	274.39
148		4	30	269.2	32573.1	671.6	(22.59)	3900.0	(130.00)	0.0	177.85	128.05	0.881	206.49	130.00	6.35	270.92
149		5	31	267.5	31065.2	1654.2	(53.36)	3162.0	(102.00)	0.0	131.26	97.66	0.842	213.30	102.00	6.35	268.34
150		6	30	266.4	30106.5	2941.3	(98.04)	3900.0	(130.00)	0.0	177.13	127.53	0.900	214.40	130.00	6.35	266.95
151		7	31	267.4	31014.3	4937.8	(159.28)	4030.0	(130.00)	0.0	177.09	131.76	0.900	214.40	130.00	6.35	266.95
152		8	31	267.2	30816.5	3832.2	(123.62)	4030.0	(130.00)	0.0	177.57	132.11	0.900	214.40	130.00	6.35	267.33
153		9	30	279.3	42316.6	5156.0	(513.33)	3900.0	(130.00)	0.0	180.93	130.27	0.884	204.06	130.00	6.35	273.26
154		10	31	282.8	45891.8	9155.5	(295.33)	3580.0	(180.00)	0.0	268.46	199.73	0.905	197.00	180.00	6.35	281.04
155		11	30	285.0	48263.9	7347.5	(244.92)	4975.4	(165.85)	0.0	243.88	175.59	0.877	193.48	165.85	6.34	283.88
156		12	31	283.7	46876.5	1774.6	(57.25)	3162.0	(102.00)	0.0	138.93	103.36	0.808	192.95	102.00	6.35	284.35
						4180.8	(137.46)	4028.3	(132.49)	0.0	186.04	135.74	0.880	6215.9	4028.3	6.34	274.61
157	14	1	31	281.8	44878.9	1164.4	(37.56)	3162.0	(102.00)	0.0	137.50	102.30	0.807	195.62	102.00	6.35	282.75
158		2	28	279.8	42782.9	760.0	(27.14)	2856.0	(102.00)	0.0	139.22	93.56	0.827	197.21	102.00	6.35	280.79
159		3	31	277.3	40324.2	703.3	(22.69)	3162.0	(102.00)	0.0	137.06	101.97	0.825	199.12	102.00	6.35	278.55
160		4	30	275.0	37999.6	735.4	(24.51)	3060.0	(102.00)	0.0	134.74	97.01	0.823	201.28	102.00	6.35	276.14
161		5	31	273.3	36444.9	1607.3	(51.85)	3162.0	(102.00)	0.0	132.83	98.82	0.821	203.18	102.00	6.35	274.15
162		6	30	274.1	37189.8	3804.9	(126.83)	3060.0	(102.00)	0.0	132.42	95.35	0.822	202.72	102.00	6.35	273.73
163		7	31	275.1	38171.7	4143.9	(133.67)	3162.0	(102.00)	0.0	133.29	99.16	0.823	201.47	102.00	6.35	274.63
164		8	31	276.7	39749.2	4739.5	(152.89)	3162.0	(102.00)	0.0	134.55	100.10	0.823	201.27	102.00	6.35	275.94
165		9	30	278.1	41141.3	4452.1	(148.40)	3060.0	(102.00)	0.0	136.00	97.92	0.824	200.18	102.00	6.35	277.45
166		10	31	283.9	47047.3	9068.1	(292.52)	3162.0	(102.00)	0.0	139.43	103.74	0.827	197.03	102.00	6.35	281.00
167		11	30	283.6	46809.5	2822.2	(94.07)	3060.0	(102.00)	0.0	138.39	99.64	0.808	193.69	102.00	6.35	283.75
168		12	31	282.0	45108.9	1461.4	(47.14)	3162.0	(102.00)	0.0	137.57	102.35	0.807	195.56	102.00	6.35	282.83
						2955.2	(96.61)	3102.5	(102.00)	0.0	136.08	99.33	0.820	6060.0	3102.5	6.35	278.48
169	15	1	31	279.9	42891.8	944.9	(30.48)	3162.0	(102.00)	0.0	139.38	103.70	0.827	197.08	102.00	6.35	280.95
170		2	28	277.7	40730.4	694.6	(24.81)	2856.0	(102.00)	0.0	137.31	92.27	0.825	198.89	102.00	6.35	278.81
171		3	31	275.1	38108.3	539.9	(17.42)	3162.0	(102.00)	0.0	134.99	100.43	0.823	201.04	102.00	6.35	276.40
172		4	30	272.6	35722.1	673.8	(22.46)	3060.0	(102.00)	0.0	132.51	95.41	0.821	203.50	102.00	6.35	273.82
173		5	31	271.2	34431.4	1871.3	(60.36)	3162.0	(102.00)	0.0	130.66	97.21	0.819	205.46	102.00	6.35	271.89
174		6	30	271.3	34540.5	3169.1	(105.64)	3060.0	(102.00)	0.0	130.06	93.64	0.819	206.12	102.00	6.35	271.26
175		7	31	271.8	35012.6	3634.1	(117.23)	3162.0	(102.00)	0.0	130.36	96.99	0.819	205.80	102.00	6.35	271.57
176		8	31	272.0	35142.0	3291.4	(106.17)	3162.0	(102.00)	0.0	130.67	97.21	0.819	205.46	102.00	6.35	271.89
177		9	30	273.3	36427.3	4345.3	(144.84)	3060.0	(102.00)	0.0	131.38	94.59	0.820	204.69	102.00	6.35	272.64
178		10	31	278.3	41254.7	7989.4	(257.72)	3162.0	(102.00)	0.0	134.40	99.99	0.823	201.61	102.00	6.35	275.79
179		11	30	277.9	40847.5	2652.8	(88.43)	3060.0	(102.00)	0.0	136.58	98.34	0.825	199.55	102.00	6.35	278.06
180		12	31	276.9	39933.6	2248.1	(72.52)	3162.0	(102.00)	0.0	135.94	101.14	0.824	200.23	102.00	6.35	277.39
						2671.2	(87.34)	3102.5	(102.00)	0.0	133.69	97.58	0.822	6159.9	3102.5	6.35	275.04
181	16	1	31	275.1	38157.9	1386.3	(44.72)	3162.0	(102.00)	0.0	134.63	100.16	0.823	201.39	102.00	6.35	276.03
182		2	28	273.1	36204.7	902.8	(32.24)	2856.0	(102.00)	0.0	132.78	89.23	0.821	203.23	102.00	6.35	274.10
183		3	31	270.4	33714.3	671.6	(21.66)	3162.0	(102.00)	0.0	127.95	92.13	0.819	205.60	102.00	6.35	271.75
184		4	30	267.7	31218.9	564.6	(18.82)	3060.0	(102.00)	0.0	127.95	92.13	0.817	208.53	102.00	6.35	269.05
185		5	31	265.2	29080.7	1023.8	(33.03)	3162.0	(102.00)	0.0	129.61	96.43	0.841	214.40	102.00	6.35	266.45
186		6	30	265.0	28877.3	2195.7	(73.19)	2399.1	(79.97)	0.0	128.25	70.74	0.841	214.40	79.97	6.36	265.12
187		7	31	265.4	29209.2	3493.9	(112.71)	3162.0	(102.00)	0.0	128.50	95.60	0.841	214.40	102.00	6.35	265.19
188		8	31	265.0	28877.3	1042.4	(33.63)	1374.3	(44.33)	0.0	55.40	41.22	0.831	214.40	44.33	6.38	265.19
189		9	30	268.9	32340.3	5223.0	(217.43)	3060.0	(102.00)	0.0	130.05	93.64	0.842	214.40	102.00	6.35	266.96
190		10	31	271.5	34681.0	5502.7	(177.51)	3162.0	(102.00)	0.0	129.04	96.01	0.818	207.26	102.00	6.35	270.19
191		11	30	270.5	33787.1	2166.1	(72.20)	3060.0	(102.00)	0.0	129.80	93.46	0.819	206.41	102.00	6.35	270.98
192		12	31	268.6	32064.6	1439.5	(46.44)	3162.0	(102.00)	0.0	128.44	95.56	0.817	207.96	102.00	6.35	269.56
						2242.7	(73.63)	2898.4	(95.36)	0.0	121.25	88.44	0.826	6369.9	2898.4	6.36	269.21

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	GQ (M3/SD)	GOUT (M3/SD)	P (CMW)	E (GWH)	T (CH)	ETG (M3/S)	QCR (M3/S)	GUP (M3/S)	LOSS (CM)	SUII (M)
193	17	1	31	266.2	29893.2	990.6(31.95)	3162.0(102.00)	0.0	130.43	97.04	24.0	0.842	214.40	102.00	6.35	267.39
194	2	28	265.0	28877.3	666.1(23.79)	1682.0(60.07)	0.0	0.0	74.82	50.28	24.0	0.827	214.40	60.07	6.37	265.58
195	3	31	265.0	28877.3	542.4(17.50)	542.4(17.50)	0.0	0.0	22.07	16.42	24.0	0.838	214.40	17.50	6.39	265.00
196	4	30	265.0	28877.3	435.0(14.50)	435.0(14.50)	0.0	0.0	18.31	13.18	24.0	0.839	214.40	14.50	6.39	265.00
197	5	31	265.0	28877.3	842.5(27.18)	842.5(27.18)	0.0	0.0	34.15	25.40	24.0	0.835	214.40	14.50	6.39	265.00
198	6	30	266.8	30459.0	464.1(15.47)	3060.0(102.00)	0.0	0.0	129.13	92.97	24.0	0.841	214.40	102.00	6.35	265.91
199	7	31	265.5	29335.6	2038.6(65.76)	3162.0(102.00)	0.0	0.0	128.36	96.24	24.0	0.841	214.40	102.00	6.35	266.17
200	8	31	265.0	28877.3	953.8(30.77)	1412.1(45.55)	0.0	0.0	56.93	42.36	24.0	0.831	214.40	45.55	6.38	265.26
201	9	30	268.3	31794.7	5977.4(199.25)	3060.0(102.00)	0.0	0.0	129.79	93.45	24.0	0.842	214.40	102.00	6.35	266.66
202	10	31	274.4	37429.6	8796.9(283.77)	3162.0(102.00)	0.0	0.0	130.14	96.82	24.0	0.819	206.04	102.00	6.35	271.34
203	11	30	275.5	38532.0	4182.4(139.41)	3060.0(102.00)	0.0	0.0	133.59	96.19	24.0	0.822	202.41	102.00	6.35	274.95
204	12	31	274.4	37434.5	2064.5(66.60)	3162.0(102.00)	0.0	0.0	133.61	99.40	24.0	0.822	202.40	102.00	6.35	274.96
					2677.7(87.93)	2228.5(73.23)	0.0	0.0	93.53	68.51		0.835	6439.	2228.	6.37	267.77
205	18	1	31	272.5	35686.2	1393.7(44.96)	3162.0(102.00)	0.0	132.17	98.34	24.0	0.821	203.86	102.00	6.35	273.47
206	2	28	270.5	33787.9	957.7(34.20)	2856.0(102.00)	0.0	0.0	130.31	87.57	24.0	0.819	205.85	102.00	6.35	271.52
207	3	31	267.9	31431.1	805.2(25.97)	3162.0(102.00)	0.0	0.0	128.10	95.31	24.0	0.817	208.35	102.00	6.35	269.20
208	4	30	265.2	29037.8	696.7(23.22)	3060.0(102.00)	0.0	0.0	129.71	93.39	24.0	0.841	214.40	102.00	6.35	266.56
209	5	31	265.0	28877.3	2060.5(66.46)	2250.8(72.61)	0.0	0.0	89.70	66.74	24.0	0.824	214.40	72.61	6.37	265.11
210	6	30	265.0	28877.3	407.4(13.58)	407.4(13.58)	0.0	0.0	17.15	12.35	24.0	0.839	214.40	13.58	6.39	265.00
211	7	31	266.2	29943.1	4227.8(136.38)	3162.0(102.00)	0.0	0.0	128.87	95.88	24.0	0.841	214.40	102.00	6.35	265.61
212	8	31	266.8	30622.6	3641.5(117.47)	3162.0(102.00)	0.0	0.0	129.65	96.46	24.0	0.841	214.40	102.00	6.35	266.50
213	9	30	272.2	35335.5	7972.9(265.76)	3060.0(102.00)	0.0	0.0	128.36	92.42	24.0	0.817	208.06	102.00	6.35	269.47
214	10	31	276.0	39018.9	6845.4(220.82)	3162.0(102.00)	0.0	0.0	132.77	98.78	24.0	0.821	203.25	102.00	6.35	274.09
215	11	30	277.4	40825.6	4466.7(148.89)	3060.0(102.00)	0.0	0.0	133.29	97.41	24.0	0.824	200.75	102.00	6.35	276.72
216	12	31	276.8	39828.0	2564.4(82.72)	3162.0(102.00)	0.0	0.0	135.69	100.95	24.0	0.824	200.38	102.00	6.35	277.13
					3003.3(98.37)	2805.5(92.18)	0.0	0.0	118.15	86.30		0.827	6343.	2806.	6.36	270.03
217	19	1	31	275.2	38250.1	1584.1(51.10)	3162.0(102.00)	0.0	134.62	100.16	24.0	0.823	201.39	102.00	6.35	276.02
218	2	28	273.4	36813.3	1087.2(38.83)	2856.0(102.00)	0.0	0.0	132.97	89.35	24.0	0.821	203.04	102.00	6.35	274.30
219	3	31	270.9	34155.3	836.0(26.97)	3162.0(102.00)	0.0	0.0	130.90	97.39	24.0	0.820	205.20	102.00	6.35	272.14
220	4	30	268.4	31914.6	819.3(27.31)	3060.0(102.00)	0.0	0.0	128.55	92.56	24.0	0.818	207.83	102.00	6.35	269.67
221	5	31	265.6	29424.9	672.3(21.69)	3162.0(102.00)	0.0	0.0	130.12	96.81	24.0	0.842	214.40	102.00	6.35	267.04
222	6	30	268.3	31818.6	5453.7(181.79)	3060.0(102.00)	0.0	0.0	130.08	93.85	24.0	0.842	214.40	102.00	6.35	266.99
223	7	31	269.4	32768.2	4111.6(132.63)	3162.0(102.00)	0.0	0.0	127.78	95.07	24.0	0.817	212.66	102.00	6.35	268.86
224	8	31	269.4	32815.5	3209.3(103.53)	3162.0(102.00)	0.0	0.0	128.30	95.46	24.0	0.817	208.12	102.00	6.35	269.42
225	9	30	276.2	39164.1	9408.6(313.62)	3060.0(102.00)	0.0	0.0	131.33	94.70	24.0	0.820	204.53	102.00	6.35	272.80
226	10	31	280.2	43193.1	7191.1(231.97)	3162.0(102.00)	0.0	0.0	136.69	101.59	24.0	0.825	199.46	102.00	6.35	278.16
227	11	30	280.2	43236.7	3103.6(103.45)	3060.0(102.00)	0.0	0.0	138.65	99.83	24.0	0.826	197.71	102.00	6.35	280.19
228	12	31	279.3	42269.1	2194.4(70.79)	3162.0(102.00)	0.0	0.0	138.21	102.83	24.0	0.826	198.09	102.00	6.35	279.74
					3305.9(108.64)	3102.5(102.00)	0.0	0.0	132.37	96.63		0.825	6253.	3102.	6.35	272.94
229	20	1	31	277.5	40502.1	1395.0(45.00)	3162.0(102.00)	0.0	136.90	101.85	24.0	0.825	199.26	102.00	6.35	278.38
230	2	28	275.6	38651.9	1005.8(35.92)	2856.0(102.00)	0.0	0.0	135.15	90.82	24.0	0.823	200.89	102.00	6.35	276.57
231	3	31	273.2	36295.1	805.2(25.97)	3162.0(102.00)	0.0	0.0	135.07	99.01	24.0	0.820	202.93	102.00	6.35	274.41
232	4	30	270.9	34174.2	939.1(31.30)	3060.0(102.00)	0.0	0.0	130.82	94.19	24.0	0.820	205.29	102.00	6.35	272.05
233	5	31	269.1	32485.3	1473.1(47.52)	3162.0(102.00)	0.0	0.0	128.86	95.87	24.0	0.818	207.47	102.00	6.35	270.00
234	6	30	271.2	34189.9	4993.6(166.45)	3060.0(102.00)	0.0	0.0	128.99	92.87	24.0	0.818	207.33	102.00	6.35	270.13
235	7	31	269.4	32800.4	1543.5(49.79)	3162.0(102.00)	0.0	0.0	129.15	96.09	24.0	0.818	207.14	102.00	6.35	270.30
236	8	31	267.5	31057.0	1418.6(45.76)	3162.0(102.00)	0.0	0.0	127.39	94.78	24.0	0.816	213.16	102.00	6.35	268.46
237	9	30	267.0	30855.7	2658.7(88.62)	3060.0(102.00)	0.0	0.0	130.32	93.83	24.0	0.842	214.40	102.00	6.35	267.26
238	10	31	268.5	32003.8	4510.1(145.49)	3162.0(102.00)	0.0	0.0	130.78	97.50	24.0	0.842	213.98	102.00	6.35	267.79
239	11	30	267.4	30982.8	2039.0(67.97)	3060.0(102.00)	0.0	0.0	130.95	94.28	24.0	0.842	213.75	102.00	6.35	267.97
240	12	31	266.1	29816.5	1995.7(64.38)	3162.0(102.00)	0.0	0.0	129.86	96.62	24.0	0.842	214.40	102.00	6.35	266.74
					2064.8(67.85)	3102.5(102.00)	0.0	0.0	131.02	95.63		0.827	6338.	3102.	6.35	270.84

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H	S	GIN	QG	GOUT	P	E	T	ETG	QGR	QUP	LOSS	SUII
				(M)	(M3/SD)	(M3/SD)	(M3/SD)	(M3/SD)	(MW)	(GWH)	(H)		(M3/S)	(M3/S)	(M)	(M)
241	21	1	31	265.0	28877.3	1358.8(43.83)	2298.0(74.13)	0.0	91.80	68.30	24.0	0.823	214.40	74.13	6.36	265.54
242	21	2	28	265.0	28877.3	987.8(35.28)	736.8(35.28)	0.0	44.19	29.69	24.0	0.833	214.40	35.28	6.38	265.00
243	21	3	31	265.0	28877.3	736.9(33.77)	736.9(33.77)	0.0	29.91	22.25	24.0	0.836	214.40	33.77	6.39	265.00
244	21	4	30	265.0	28877.3	949.3(31.64)	949.3(31.64)	0.0	39.69	28.58	24.0	0.834	214.40	31.64	6.39	265.00
245	21	5	31	265.0	28877.3	1669.9(53.87)	1669.9(53.87)	0.0	66.98	49.84	24.0	0.828	214.40	53.87	6.37	265.00
246	21	6	30	268.6	32049.8	7072.5(235.75)	3900.0(130.00)	0.0	176.94	127.40	24.0	0.900	214.40	130.00	6.35	266.80
247	21	7	31	268.5	31942.9	5163.1(166.55)	5270.0(170.00)	0.0	234.30	174.32	24.0	0.903	213.06	170.00	6.34	268.54
248	21	8	31	273.8	36919.0	10866.1(350.52)	5890.0(190.00)	0.0	265.73	197.70	24.0	0.902	206.18	190.00	6.33	271.16
249	21	9	30	280.8	43821.4	12302.4(410.08)	5400.0(180.00)	0.0	262.55	189.03	24.0	0.905	200.22	180.00	6.33	277.31
250	21	10	31	284.4	47568.5	9637.1(310.87)	5890.0(190.00)	0.0	285.65	212.52	24.0	0.904	191.81	190.00	6.33	282.57
251	21	11	30	285.0	48263.9	6377.1(212.57)	5681.7(189.39)	0.0	284.38	204.75	24.0	0.892	192.45	189.39	6.33	284.68
252	21	12	31	283.2	46309.9	1208.0(38.97)	3162.0(102.00)	0.0	138.69	103.18	24.0	0.808	193.17	102.00	6.35	284.08
						4860.7(159.48)	3486.3(114.17)	0.0	160.07	117.30		0.864	6293.	3486.	6.35	271.72
253	22	1	31	281.0	44043.1	895.2(28.88)	3162.0(102.00)	0.0	140.48	104.52	24.0	0.828	196.16	102.00	6.35	282.08
254	22	2	28	278.8	41819.9	632.8(22.60)	2856.0(102.00)	0.0	138.37	92.99	24.0	0.826	197.95	102.00	6.35	279.91
255	22	3	31	276.2	39257.8	599.9(19.35)	3162.0(102.00)	0.0	136.08	101.24	24.0	0.824	200.10	102.00	6.35	277.53
256	22	4	30	273.6	36646.4	448.6(14.93)	3060.0(102.00)	0.0	133.55	96.15	24.0	0.822	202.46	102.00	6.35	274.90
257	22	5	31	271.0	34227.7	743.3(23.98)	3162.0(102.00)	0.0	131.02	97.48	24.0	0.820	205.07	102.00	6.35	272.26
258	22	6	30	273.9	36943.6	5775.9(192.53)	3060.0(102.00)	0.0	131.17	94.44	24.0	0.820	204.92	102.00	6.35	272.42
259	22	7	31	273.4	36464.1	2682.5(86.53)	3162.0(102.00)	0.0	132.31	98.44	24.0	0.821	203.72	102.00	6.35	273.61
260	22	8	31	273.0	36166.8	2884.7(92.41)	3162.0(102.00)	0.0	131.92	98.15	24.0	0.821	204.12	102.00	6.35	273.20
261	22	9	30	274.7	37796.2	4689.4(156.31)	3060.0(102.00)	0.0	132.59	95.46	24.0	0.821	203.43	102.00	6.35	273.90
262	22	10	31	273.1	38162.7	3528.6(113.83)	3162.0(102.00)	0.0	133.58	99.39	24.0	0.822	202.42	102.00	6.35	274.94
263	22	11	30	272.0	35199.5	96.8(3.23)	3060.0(102.00)	0.0	132.28	95.24	24.0	0.821	203.75	102.00	6.35	273.57
264	22	12	31	269.9	33256.7	1219.2(39.33)	3162.0(102.00)	0.0	129.79	96.56	24.0	0.819	206.43	102.00	6.35	270.97
						2014.7(66.16)	3102.5(102.00)	0.0	133.59	97.51		0.822	6161.	3102.	6.35	274.94
265	23	1	31	267.4	30973.4	878.7(28.35)	3162.0(102.00)	0.0	127.59	94.92	24.0	0.817	212.91	102.00	6.35	268.66
266	23	2	28	265.0	28877.3	621.3(21.19)	2717.4(97.05)	0.0	124.30	83.53	24.0	0.849	214.40	97.05	6.35	266.20
267	23	3	31	265.0	28877.3	363.1(11.71)	345.1(11.71)	0.0	14.80	11.01	24.0	0.839	214.40	11.71	6.39	265.00
268	23	4	30	265.0	28877.3	293.4(9.78)	293.4(9.78)	0.0	12.37	8.91	24.0	0.840	214.40	9.78	6.40	265.00
269	23	5	31	265.0	28877.3	1311.9(42.32)	1311.9(42.32)	0.0	52.86	39.33	24.0	0.831	214.40	42.32	6.38	265.00
270	23	6	30	270.2	33554.2	7736.9(257.90)	3060.0(102.00)	0.0	130.64	94.06	24.0	0.842	214.18	102.00	6.35	267.62
271	23	7	31	268.8	32220.6	1828.4(58.98)	3162.0(102.00)	0.0	128.40	95.53	24.0	0.817	208.00	102.00	6.35	269.52
272	23	8	31	268.1	31588.8	2530.2(81.62)	3162.0(102.00)	0.0	127.37	94.76	24.0	0.816	213.18	102.00	6.35	268.43
273	23	9	30	267.7	31282.4	2753.6(91.79)	3060.0(102.00)	0.0	130.89	94.24	24.0	0.842	213.83	102.00	6.35	267.91
274	23	10	31	270.0	33346.9	5226.5(168.60)	3162.0(102.00)	0.0	127.80	95.08	24.0	0.817	212.63	102.00	6.35	268.88
275	23	11	30	270.6	33837.3	3550.4(118.35)	3060.0(102.00)	0.0	129.14	92.98	24.0	0.818	207.16	102.00	6.35	270.29
276	23	12	31	269.3	32644.5	1949.2(63.52)	3162.0(102.00)	0.0	128.77	95.81	24.0	0.818	207.58	102.00	6.35	269.90
						2422.0(79.59)	2473.0(81.41)	0.0	102.91	75.01		0.829	6456.	2473.	6.36	267.70
277	24	1	31	267.0	30668.6	1186.1(38.26)	3162.0(102.00)	0.0	131.10	97.54	24.0	0.842	213.53	102.00	6.35	268.15
278	24	2	28	265.0	28877.3	872.2(31.13)	2665.5(95.12)	0.0	117.02	78.64	24.0	0.817	214.40	95.12	6.35	266.02
279	24	3	31	265.0	28877.3	674.3(21.75)	674.3(21.75)	0.0	27.39	20.39	24.0	0.837	214.40	21.75	6.39	265.00
280	24	4	30	265.0	28877.3	528.0(17.60)	528.0(17.60)	0.0	22.19	15.98	24.0	0.838	214.40	17.60	6.39	265.00
281	24	5	31	265.0	28877.3	1250.6(40.34)	1250.6(40.34)	0.0	50.43	37.52	24.0	0.832	214.40	40.34	6.38	265.00
282	24	6	30	270.9	34141.2	9183.9(305.46)	3900.0(130.00)	0.0	178.29	128.57	24.0	0.900	213.79	130.00	6.35	267.94
283	24	7	31	273.5	36604.8	6493.6(209.47)	4030.0(130.00)	0.0	179.93	133.57	24.0	0.883	205.15	130.00	6.35	272.20
284	24	8	31	277.2	40232.5	7637.7(247.02)	4030.0(130.00)	0.0	183.71	136.68	24.0	0.885	202.01	130.00	6.35	273.37
285	24	9	30	282.6	45688.5	9356.0(311.87)	3900.0(130.00)	0.0	189.71	136.59	24.0	0.890	197.95	130.00	6.35	279.91
286	24	10	31	285.0	48263.9	8012.8(258.48)	5423.0(175.00)	12.4	264.05	196.45	24.0	0.900	193.63	175.00	6.33	283.79
287	24	11	30	285.0	48263.9	5524.1(184.14)	5524.1(184.14)	0.0	278.18	200.29	24.0	0.895	191.94	184.14	6.33	285.00
288	24	12	31	283.4	46592.8	1490.9(48.09)	3162.0(102.00)	0.0	138.81	103.27	24.0	0.808	192.97	102.00	6.35	284.22
						4350.8(142.80)	3187.5(104.83)	1.0	146.70	107.11		0.861	6255.	3187.	6.36	273.13

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QG (M3/SD)	GOUT (M3/SD)	P (MW)	E (GWH)	T (CH)	ETG (M3/S)	QUR (M3/S)	LOSS (M)	SUII (CM)
289	25	1	31	281.3	4404.5	973.7	31.41	3162.0	137.17	102.06	24.0	0.807	195.91	6.35	282.39
290	25	2	28	279.3	4233.6	785.1	28.04	2856.0	138.79	93.27	24.0	0.827	197.59	6.35	280.34
291	25	3	31	276.9	3993.8	768.2	24.78	3162.0	136.66	101.67	24.0	0.825	199.48	6.35	278.13
292	25	4	30	274.7	3773.4	854.6	28.49	3060.0	134.42	96.78	24.0	0.823	201.59	6.35	275.81
293	25	5	31	273.1	3620.9	1648.5	53.18	3162.0	132.58	98.64	24.0	0.821	203.44	6.35	273.89
294	25	6	30	270.8	3408.3	907.4	30.25	3060.0	130.73	94.12	24.0	0.819	205.39	6.35	271.96
295	25	7	31	268.4	3191.3	1007.2	32.49	3162.0	128.51	95.61	24.0	0.817	207.88	6.35	269.63
296	25	8	31	265.4	2918.9	437.7	14.12	3162.0	130.00	96.72	24.0	0.842	214.40	6.35	266.90
297	25	9	30	269.0	3237.0	624.1	20.84	3060.0	130.23	97.15	24.0	0.819	205.55	6.35	267.16
298	25	10	31	274.7	3770.2	849.4	27.40	3162.0	130.58	97.15	24.0	0.819	205.55	6.35	271.80
299	25	11	30	276.8	3977.6	513.4	17.15	3060.0	134.33	96.72	24.0	0.823	201.68	6.35	275.71
300	25	12	31	275.4	3839.1	1782.4	57.50	3162.0	136.67	100.20	24.0	0.823	201.35	6.35	276.07
						2419.5	79.45	3102.5	133.22	97.23		0.824	6208.	6.35	274.15
301	26	1	31	273.4	3649.6	1260.9	40.67	3162.0	133.05	98.99	24.0	0.822	202.96	6.35	274.38
302	26	2	28	271.3	3461.4	851.4	30.41	2856.0	131.08	88.09	24.0	0.820	205.01	6.35	272.33
303	26	3	31	268.6	3205.2	723.3	23.33	3162.0	138.80	95.82	24.0	0.818	207.55	6.35	269.93
304	26	4	30	266.1	2985.6	863.8	28.79	3060.0	130.41	93.89	24.0	0.842	214.40	6.35	267.36
305	26	5	31	265.0	2887.7	2103.8	67.86	3083.0	126.23	93.91	24.0	0.845	214.40	6.35	265.56
306	26	6	30	272.3	3546.4	3168.7	89.57	5100.0	234.47	168.82	24.0	0.903	212.92	6.34	268.65
307	26	7	31	273.5	3625.0	658.5	21.24	5425.0	248.94	185.21	24.0	0.906	204.42	6.35	272.92
308	26	8	31	276.8	3983.9	879.4	28.71	5580.0	239.18	192.83	24.0	0.905	202.19	6.35	275.18
309	26	9	30	281.7	4475.7	6031.7	7.34	5400.0	265.64	191.26	24.0	0.905	198.50	6.35	279.26
310	26	10	31	285.0	4826.3	9262.9	298.80	5735.0	276.17	205.47	24.0	0.893	194.33	6.35	283.34
311	26	11	30	285.0	4826.3	9262.9	298.80	5735.0	276.17	205.47	24.0	0.893	194.33	6.34	285.00
312	26	12	31	284.1	4726.7	3165.4	69.85	3162.0	139.09	103.48	24.0	0.808	192.66	6.35	284.53
						4904.8	160.89	4163.8	189.79	138.74		0.860	6187.	6.34	274.87
313	27	1	31	282.4	45691.0	1385.7	44.70	3162.0	137.92	102.61	24.0	0.808	192.90	6.35	283.23
314	27	2	28	280.5	43570.7	935.7	33.42	2856.0	139.88	94.00	24.0	0.828	196.66	6.35	281.46
315	27	3	31	278.1	41055.8	647.1	20.87	3162.0	137.78	102.51	24.0	0.826	198.47	6.35	279.30
316	27	4	30	275.8	39838.7	842.9	28.10	3060.0	135.51	97.57	24.0	0.824	200.55	6.35	276.94
317	27	5	31	273.3	38562.0	685.3	23.11	3162.0	133.20	99.10	24.0	0.822	202.81	6.35	274.54
318	27	6	30	272.2	37332.5	2030.3	67.68	3060.0	131.45	94.64	24.0	0.820	204.62	6.35	272.71
319	27	7	31	271.0	34233.0	2062.5	66.53	3162.0	130.36	96.99	24.0	0.819	205.79	6.35	271.57
320	27	8	31	270.2	33519.7	2448.7	78.99	3162.0	129.43	96.30	24.0	0.818	206.83	6.35	270.60
321	27	9	30	276.4	39386.1	8926.5	297.55	3060.0	132.01	95.05	24.0	0.821	204.03	6.35	273.29
322	27	10	31	282.5	45623.8	9399.7	303.22	3162.0	137.93	102.62	24.0	0.826	198.34	6.35	279.45
323	27	11	30	283.5	46700.4	4136.6	137.89	3060.0	137.74	99.17	24.0	0.807	191.72	6.35	283.03
324	27	12	31	282.7	45774.3	2235.9	72.13	3162.0	137.80	102.53	24.0	0.807	191.65	6.35	283.10
						2978.1	97.76	3102.5	135.08	98.59		0.819	6070.	6.35	277.43
325	28	1	31	281.0	43997.5	1385.2	44.68	3162.0	140.21	104.32	24.0	0.828	196.38	6.35	281.80
326	28	2	28	279.1	42058.5	917.0	32.75	2856.0	138.47	93.05	24.0	0.826	197.87	6.35	280.00
327	28	3	31	276.5	39539.7	643.2	20.75	3162.0	136.33	101.43	24.0	0.824	199.78	6.35	277.80
328	28	4	30	274.0	37069.4	589.7	19.66	3060.0	133.90	96.41	24.0	0.822	202.11	6.35	275.26
329	28	5	31	271.7	34937.5	1030.1	33.23	3162.0	131.60	97.91	24.0	0.820	204.46	6.35	272.87
330	28	6	30	272.0	35161.4	3283.9	109.46	3060.0	130.64	94.06	24.0	0.819	205.49	6.35	271.86
331	28	7	31	271.7	34870.1	2870.7	92.60	3162.0	130.60	97.17	24.0	0.819	205.53	6.35	271.82
332	28	8	31	272.9	36006.4	4298.3	138.65	3162.0	131.03	97.49	24.0	0.820	205.07	6.35	272.27
333	28	9	30	274.7	37664.0	4817.6	160.59	3060.0	132.49	95.39	24.0	0.821	203.53	6.35	273.80
334	28	10	31	276.2	39198.7	4596.7	148.28	3162.0	134.08	99.75	24.0	0.822	201.93	6.35	275.45
335	28	11	30	275.1	38111.7	1973.0	65.77	3060.0	134.25	96.66	24.0	0.823	201.76	6.35	275.63
336	28	12	31	272.4	35589.8	640.1	20.65	3162.0	132.45	98.54	24.0	0.821	203.57	6.35	273.76
						2253.8	73.92	3102.5	133.84	97.68		0.822	6154.	6.35	275.19

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QG (M3/SD)	GOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG (M3/S)	GCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
337	29	1	31	269.7	33041.8	614.0	(19.81)	3162.0	0.0	129.88	24.0	0.819	206.33	102.00	6.35	271.06
338	2	28	267.0	30595.1	409.3	(14.82)	2856.0	0.0	131.26	88.21	24.0	0.842	213.31	102.00	6.35	268.35
339	3	31	265.0	28877.3	429.7	(13.86)	2147.5	(69.27)	86.21	64.14	24.0	0.825	214.40	69.27	6.37	265.98
340	4	30	265.0	28877.3	532.6	(17.75)	532.6	(17.75)	22.39	16.12	24.0	0.838	214.40	17.75	6.39	265.00
341	5	31	265.0	28877.3	1024.1	(33.04)	1024.1	(33.04)	41.41	30.81	24.0	0.854	214.40	33.04	6.38	265.00
342	6	30	267.5	31046.0	5228.7	(174.29)	3060.0	0.0	129.42	93.18	24.0	0.841	214.40	102.00	6.35	266.24
343	7	31	267.1	30698.1	2814.1	(90.78)	3162.0	0.0	130.33	96.97	24.0	0.842	214.40	102.00	6.35	267.28
344	8	31	266.9	30498.5	2962.4	(95.56)	3162.0	0.0	130.06	96.77	24.0	0.842	214.40	102.00	6.35	266.97
345	9	30	271.2	34474.0	7035.5	(234.52)	3060.0	0.0	127.96	92.13	24.0	0.817	208.52	102.00	6.35	269.95
346	10	31	275.9	38956.9	7444.9	(224.61)	3162.0	0.0	132.29	98.43	24.0	0.821	203.73	102.00	6.35	273.59
347	11	30	275.6	38636.5	2739.0	(91.32)	3060.0	0.0	134.39	96.76	24.0	0.823	201.62	102.00	6.35	275.78
348	12	31	273.8	36846.5	1372.0	(44.26)	3162.0	0.0	133.34	99.21	24.0	0.822	202.66	102.00	6.35	274.69
					2733.9	(89.70)	2629.2	(86.51)	110.74	80.78	24.0	0.830	6393.	2629.	6.36	269.08
349	30	1	271.5	34672.8	988.3	(31.88)	3162.0	0.0	131.35	97.73	24.0	0.820	204.72	102.00	6.35	272.61
350	2	28	269.1	32504.2	687.4	(24.55)	2856.0	0.0	129.13	86.77	24.0	0.818	207.17	102.00	6.35	270.28
351	3	31	266.2	29960.5	618.3	(19.95)	3162.0	0.0	130.68	97.23	24.0	0.842	214.12	102.00	6.35	267.67
352	4	30	265.0	28877.3	675.5	(22.52)	1758.7	(58.62)	73.07	52.61	24.0	0.827	214.40	58.62	6.37	265.62
353	5	31	265.0	28877.3	2241.1	(72.29)	2241.1	(72.29)	89.26	66.41	24.0	0.824	214.40	72.29	6.37	265.00
354	6	30	265.6	29360.8	3343.5	(118.12)	3060.0	0.0	128.58	92.57	24.0	0.841	214.40	102.00	6.35	265.88
355	7	31	270.2	33507.6	7308.8	(235.77)	3162.0	0.0	130.86	97.36	24.0	0.842	213.87	102.00	6.35	267.88
356	8	31	273.6	36700.8	8355.2	(2205.01)	3162.0	0.0	130.68	97.22	24.0	0.819	205.45	102.00	6.35	271.90
357	9	30	277.1	40108.7	6467.9	(215.60)	3060.0	0.0	133.99	96.47	24.0	0.822	202.02	102.00	6.35	275.36
358	10	31	280.3	43375.3	6676.6	(215.37)	3610.0	0.0	150.69	112.11	24.0	0.840	198.96	110.00	6.35	278.73
359	11	30	278.6	41583.5	1268.2	(42.27)	3060.0	0.0	137.95	99.32	24.0	0.826	198.32	102.00	6.35	279.47
360	12	31	276.8	39844.0	1422.5	(45.89)	3162.0	0.0	136.25	101.37	24.0	0.824	199.85	102.00	6.35	277.71
					3187.8	(104.10)	2938.0	(96.58)	125.21	91.43	24.0	0.829	6306.	2938.	6.35	271.46
361	31	1	274.5	37557.8	875.8	(28.25)	3162.0	0.0	134.29	99.91	24.0	0.823	204.72	102.00	6.35	275.67
362	2	28	272.1	35297.4	595.6	(21.27)	2856.0	0.0	132.03	88.72	24.0	0.821	201.01	102.00	6.35	273.31
363	3	31	269.3	32708.2	572.8	(18.48)	3162.0	0.0	129.55	96.39	24.0	0.818	206.69	102.00	6.35	270.72
364	4	30	266.5	30214.6	566.4	(18.88)	3060.0	0.0	129.91	94.25	24.0	0.842	213.81	102.00	6.35	267.93
365	5	31	265.2	29015.9	1963.3	(63.33)	3162.0	0.0	129.08	96.03	24.0	0.841	214.40	102.00	6.35	265.85
366	6	30	275.4	38435.6	6133.9	(184.43)	3000.0	0.0	177.02	127.46	24.0	0.881	207.17	130.00	6.35	270.28
367	7	31	277.5	40539.7	6134.1	(197.87)	4030.0	0.0	185.16	137.76	24.0	0.886	200.99	130.00	6.35	276.48
368	8	31	279.3	42324.2	7309.5	(232.56)	5435.0	0.0	257.25	191.40	24.0	0.906	199.22	175.00	6.33	278.43
369	9	30	281.7	44726.3	7652.1	(255.07)	5250.0	0.0	260.35	187.45	24.0	0.905	197.46	175.00	6.33	280.49
370	10	31	283.6	46804.0	7192.7	(232.02)	5115.0	0.0	247.07	183.82	24.0	0.899	191.71	165.00	6.34	282.64
371	11	30	285.0	48252.9	6698.9	(223.30)	5250.0	0.0	264.95	190.77	24.0	0.901	192.91	175.00	6.33	284.31
372	12	31	283.7	46865.5	1772.6	(57.18)	3162.0	0.0	138.92	103.35	24.0	0.808	192.96	102.00	6.35	284.34
					4546.1	(149.35)	3961.2	(130.17)	182.21	133.11	24.0	0.861	6141.	3961.	6.35	275.87
373	32	1	281.0	44053.3	1219.8	(39.35)	4030.0	0.0	192.97	143.57	24.0	0.892	195.94	130.00	6.35	282.35
374	2	28	278.3	41282.8	879.5	(31.41)	3640.0	0.0	189.37	127.26	24.0	0.889	198.16	130.00	6.35	279.65
375	3	31	275.0	38055.6	792.8	(25.57)	4030.0	0.0	185.40	137.94	24.0	0.887	200.82	130.00	6.35	276.66
376	4	30	271.5	34705.6	550.0	(18.33)	3900.0	0.0	180.92	130.26	24.0	0.884	204.07	130.00	6.35	273.25
377	5	31	267.8	31309.0	633.4	(20.43)	4030.0	0.0	176.17	131.07	24.0	0.880	207.88	130.00	6.35	269.63
378	6	30	266.2	29901.5	2492.5	(83.08)	3900.0	0.0	177.15	127.55	24.0	0.900	214.40	130.00	6.35	266.97
379	7	31	270.4	33706.5	6967.0	(224.74)	3162.0	0.0	131.23	97.63	24.0	0.842	213.35	102.00	6.35	268.30
380	8	31	274.5	37577.5	7901.0	(254.87)	4030.0	0.0	179.88	133.83	24.0	0.883	204.87	130.00	6.35	272.47
381	9	30	279.6	42561.0	8883.5	(296.12)	3900.0	0.0	185.91	133.85	24.0	0.887	200.46	130.00	6.35	277.04
382	10	31	284.4	47597.4	8756.4	(282.46)	3720.0	0.0	173.90	129.38	24.0	0.872	196.25	120.00	6.35	281.96
383	11	30	283.1	46205.7	1668.3	(55.61)	3060.0	0.0	138.37	99.62	24.0	0.808	193.73	102.00	6.35	283.72
384	12	31	281.6	44665.0	1641.3	(52.95)	3162.0	0.0	140.73	104.71	24.0	0.828	195.95	102.00	6.35	282.34
					3332.1	(115.41)	3713.7	(122.17)	171.00	124.72	24.0	0.871	6150.	3714.	6.35	276.20

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	Q3Q (M3/SD)	QOUT (M3/SD)	P (MM)	E (GWH)	T (H)	ETG (M3/S)	GCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (CM)
385	33	1	31	279.5	42503.1	980.1	(31.62)	3182.0	(102.00)	103.42	24.0	0.827	197.41	102.00	6.35	280.55
386		2	28	277.4	40353.1	706.0	(25.21)	2856.0	(102.00)	136.94	24.0	0.825	199.23	102.00	6.35	278.43
387		3	31	274.7	37735.6	544.5	(17.56)	3162.0	(102.00)	134.62	24.0	0.823	201.40	102.00	6.35	276.02
388		4	30	272.0	35201.1	525.6	(17.52)	3060.0	(102.00)	132.07	24.0	0.821	203.97	102.00	6.35	273.35
389		5	31	270.2	33482.5	1443.4	(46.56)	3162.0	(102.00)	129.91	24.0	0.819	206.29	102.00	6.35	271.10
390		6	30	268.2	31732.3	1309.8	(43.66)	3060.0	(102.00)	128.11	24.0	0.817	208.35	102.00	6.35	269.21
391		7	31	270.2	33544.9	4974.6	(160.47)	3182.0	(102.00)	128.14	24.0	0.817	208.31	102.00	6.35	269.24
392		8	31	273.5	36603.6	6220.7	(200.67)	3162.0	(102.00)	130.65	24.0	0.819	205.48	102.00	6.35	271.89
393		9	30	278.3	41276.3	7732.7	(257.76)	3060.0	(102.00)	134.50	24.0	0.823	201.51	102.00	6.35	275.89
394		10	31	283.1	46278.9	8164.6	(283.37)	3182.0	(102.00)	139.15	24.0	0.827	197.28	102.00	6.35	280.71
395		11	30	285.0	48263.9	1126.2	(170.87)	3141.2	(104.71)	141.58	24.0	0.804	193.20	104.71	6.35	284.07
396		12	31	283.2	46381.6	1279.7	(41.28)	3182.0	(102.00)	138.72	24.0	0.808	195.12	102.00	6.35	284.12
						3250.7	(106.38)	3109.5	(102.23)	134.45		0.819	6123.	3109.	6.35	276.21
397	34	1	31	281.1	44181.9	962.3	(31.04)	3162.0	(102.00)	140.58	24.0	0.828	196.08	102.00	6.35	282.18
398		2	28	278.9	41881.2	555.3	(19.83)	2856.0	(102.00)	138.47	24.0	0.826	197.87	102.00	6.35	280.01
399		3	31	276.4	39368.2	649.0	(20.94)	3162.0	(102.00)	136.16	24.0	0.824	200.02	102.00	6.35	277.62
400		4	30	273.8	36868.9	560.7	(18.69)	3060.0	(102.00)	133.71	24.0	0.822	202.29	102.00	6.35	275.07
401		5	31	271.4	34624.6	917.7	(29.60)	3182.0	(102.00)	131.34	24.0	0.820	204.74	102.00	6.35	272.59
402		6	30	271.5	34684.4	3119.8	(103.99)	3060.0	(102.00)	130.23	24.0	0.819	205.93	102.00	6.35	271.44
403		7	31	270.2	33511.4	1989.0	(64.16)	3162.0	(102.00)	129.66	24.0	0.819	206.57	102.00	6.35	270.84
404		8	31	272.1	35251.7	4902.3	(158.14)	3162.0	(102.00)	129.95	24.0	0.819	206.25	102.00	6.35	271.14
405		9	30	273.8	36900.2	4708.5	(156.93)	3060.0	(102.00)	131.67	24.0	0.820	204.38	102.00	6.35	272.95
406		10	31	276.2	39248.8	5510.7	(177.76)	3182.0	(102.00)	133.67	24.0	0.822	202.53	102.00	6.35	275.03
407		11	30	274.4	37474.3	1285.5	(42.85)	3060.0	(102.00)	133.96	24.0	0.822	202.05	102.00	6.35	275.33
408		12	31	272.3	35481.3	1169.0	(37.71)	3162.0	(102.00)	132.08	24.0	0.821	203.96	102.00	6.35	273.37
						2194.1	(71.81)	3182.0	(102.00)	133.46		0.822	6167.	3103.	6.35	274.80
409	35	1	31	269.9	33249.9	930.6	(30.02)	3162.0	(102.00)	129.93	24.0	0.819	206.27	102.00	6.35	271.12
410		2	28	267.5	31054.9	661.0	(23.61)	2856.0	(102.00)	127.63	24.0	0.817	212.86	102.00	6.35	268.70
411		3	31	265.0	28877.3	475.5	(15.27)	2651.1	(85.52)	105.92	24.0	0.820	214.40	85.52	6.36	266.24
412		4	30	265.0	28877.3	467.5	(15.38)	2076.5	(66.98)	19.67	24.0	0.838	214.40	15.38	6.39	265.00
413		5	31	265.0	28877.3	2076.5	(66.98)	2076.5	(66.98)	82.87	24.0	0.825	214.40	66.98	6.37	265.00
414		6	30	268.6	32057.5	7080.2	(236.01)	3900.0	(130.00)	176.95	24.0	0.900	214.40	130.00	6.35	266.80
415		7	31	270.7	33956.8	5929.3	(191.27)	4050.0	(130.00)	176.19	24.0	0.880	207.36	130.00	6.35	269.65
416		8	31	272.8	35906.4	7374.6	(237.89)	5425.0	(175.00)	247.15	24.0	0.907	205.63	175.00	6.33	271.73
417		9	30	277.3	40283.5	9627.1	(320.90)	5250.0	(175.00)	252.13	24.0	0.906	202.34	175.00	6.33	275.03
418		10	31	283.5	46661.4	11802.9	(380.74)	5425.0	(175.00)	260.20	24.0	0.905	197.54	175.00	6.33	280.39
419		11	30	284.9	48105.1	6693.7	(223.12)	5250.0	(175.00)	264.72	24.0	0.901	193.03	175.00	6.33	284.18
420		12	31	284.1	47326.1	2383.0	(76.87)	3182.0	(102.00)	139.05	24.0	0.808	192.73	102.00	6.35	284.49
						4625.0	(151.52)	3637.9	(119.51)	165.20		0.861	6274.	3638.	6.35	272.36
421	36	1	31	282.5	45610.0	1445.9	(46.64)	3182.0	(102.00)	138.00	24.0	0.808	194.38	102.00	6.35	283.31
422		2	28	280.7	43697.0	943.0	(33.68)	2856.0	(102.00)	139.99	24.0	0.828	196.56	102.00	6.35	281.58
423		3	31	278.3	41306.0	771.0	(24.87)	3182.0	(102.00)	137.96	24.0	0.826	198.51	102.00	6.35	279.49
424		4	30	275.9	38931.9	685.9	(22.86)	3060.0	(102.00)	135.67	24.0	0.824	200.39	102.00	6.35	277.11
425		5	31	273.5	36622.1	852.3	(27.49)	3162.0	(102.00)	133.37	24.0	0.822	202.63	102.00	6.35	274.72
426		6	30	272.4	35559.0	1996.9	(66.56)	3060.0	(102.00)	131.59	24.0	0.820	204.36	102.00	6.35	272.96
427		7	31	271.7	34920.0	2523.0	(81.39)	3182.0	(102.00)	130.83	24.0	0.820	205.28	102.00	6.35	272.06
428		8	31	271.7	34873.5	3983.5	(128.50)	4050.0	(130.00)	178.87	24.0	0.882	205.66	130.00	6.35	271.70
429		9	30	274.6	37694.2	6720.7	(224.02)	3900.0	(130.00)	180.79	24.0	0.893	204.17	130.00	6.35	273.16
430		10	31	279.8	42786.5	9422.3	(294.27)	4050.0	(130.00)	186.13	24.0	0.887	200.31	130.00	6.35	277.21
431		11	30	284.4	47663.7	8777.2	(292.57)	3900.0	(130.00)	192.64	24.0	0.892	196.13	130.00	6.35	282.11
432		12	31	283.2	46334.6	2700.9	(87.13)	4050.0	(130.00)	189.33	24.0	0.868	193.59	130.00	6.35	283.81
						3376.9	(110.83)	3439.5	(113.67)	156.27		0.847	6088.	3460.	6.35	277.44

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (MMW)	E (GMH)	T (CH)	ETG (M3/S)	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
433	37	1	31	281.2	44262.2	1647.6	53.15	3720.0	0.0	174.19	129.60	0.873	196.06	120.00	6.35	282.20
434	37	2	28	275.8	41934.2	1312.0	46.86	3640.0	0.0	189.93	127.53	0.880	197.81	130.00	6.35	280.07
435	37	3	31	275.8	38805.9	901.7	29.09	4030.0	0.0	186.33	138.63	0.887	200.17	130.00	6.35	277.36
436	37	4	30	272.6	35769.3	863.4	28.78	3900.0	0.0	182.17	131.16	0.884	203.13	130.00	6.35	274.21
437	37	5	31	269.2	32561.2	821.9	26.51	4030.0	0.0	177.82	132.30	0.881	206.51	130.00	6.35	270.89
438	37	6	30	271.1	34358.9	5667.7	188.92	3900.0	0.0	176.81	127.31	0.881	207.34	130.00	6.35	270.12
439	37	7	31	272.8	35928.3	5629.4	181.59	4030.0	0.0	179.19	133.32	0.882	205.41	130.00	6.35	271.94
440	37	8	31	278.2	41132.0	9253.7	298.51	4030.0	0.0	183.84	136.78	0.886	201.91	130.00	6.35	275.48
441	37	9	30	282.6	45763.2	9411.3	313.71	4800.0	0.0	236.70	170.42	0.900	197.53	160.00	6.34	280.40
442	37	10	31	284.9	48166.6	7828.4	252.53	5425.0	0.0	264.03	196.44	0.900	193.65	175.00	6.33	283.78
443	37	11	30	283.0	46110.9	1844.3	61.48	3900.0	0.0	189.50	136.44	0.868	193.39	130.00	6.35	283.94
444	37	12	31	281.2	44218.9	1828.0	58.97	3720.0	0.0	174.04	129.48	0.873	196.16	120.00	6.35	282.07
						3917.4	128.34	4093.7	0.0	192.88	140.79	0.884	6081.	4094.	6.34	277.71
445	38	1	31	279.1	42120.2	1063.3	34.30	3162.0	0.0	138.60	103.12	0.826	197.75	102.00	6.35	280.14
446	38	2	28	276.8	39776.6	736.4	26.30	3080.0	0.0	149.86	100.70	0.840	199.65	110.00	6.35	277.95
447	38	3	31	274.2	37247.7	633.1	20.42	3162.0	0.0	134.10	99.77	0.822	201.91	102.00	6.35	275.48
448	38	4	30	271.4	34641.0	453.3	15.11	3060.0	0.0	131.54	94.71	0.820	204.53	102.00	6.35	272.80
449	38	5	31	269.3	32656.3	1217.3	39.27	3162.0	0.0	129.21	96.13	0.818	207.08	102.00	6.35	270.37
450	38	6	30	267.5	30858.3	1222.0	40.73	3060.0	0.0	131.22	94.48	0.842	213.36	102.00	6.35	268.29
451	38	7	31	265.0	28920.1	1223.8	39.48	3162.0	0.0	129.35	96.23	0.841	214.40	102.00	6.35	266.16
452	38	8	31	265.1	28922.3	4032.2	130.07	4030.0	0.0	174.89	130.12	0.900	214.40	130.00	6.35	265.05
453	38	9	30	273.3	36452.5	51280.2	426.01	5250.0	0.0	243.33	175.20	0.907	208.36	175.00	6.33	269.20
454	38	10	31	282.7	41584.7	315284.8	493.06	5890.0	0.0	277.73	206.63	0.903	199.57	190.00	6.33	278.04
455	38	11	30	285.0	48249.8	7952.5	265.08	5550.0	0.0	277.15	199.55	0.894	193.52	185.00	6.33	283.86
456	38	12	31	283.9	47130.3	2042.5	65.89	3162.0	0.0	139.03	103.44	0.808	192.77	102.00	6.35	284.46
						4055.4	132.89	3810.8	0.0	171.33	125.01	0.852	6204.	3811.	6.35	274.32
457	39	1	31	282.1	45176.2	1207.9	38.96	3162.0	0.0	137.73	102.47	0.807	191.74	102.00	6.35	283.01
458	39	2	28	280.1	43137.8	817.6	29.20	2856.0	0.0	139.53	93.76	0.827	196.95	102.00	6.35	281.10
459	39	3	31	277.6	40617.9	642.1	20.71	3162.0	0.0	137.37	102.20	0.825	198.84	102.00	6.35	278.87
460	39	4	30	275.1	38477.7	589.9	19.66	3060.0	0.0	134.96	97.17	0.823	201.07	102.00	6.35	276.37
461	39	5	31	272.2	35335.5	547.8	11.22	3162.0	0.0	132.34	98.46	0.821	203.69	102.00	6.35	273.64
462	39	6	30	276.8	39850.3	8416.8	280.56	3900.0	0.0	182.57	131.45	0.885	202.84	130.00	6.35	274.51
463	39	7	31	275.6	38607.8	2787.5	89.92	4030.0	0.0	184.82	137.51	0.886	201.22	130.00	6.35	276.22
464	39	8	31	275.1	38153.6	3575.8	115.35	4030.0	0.0	183.68	136.66	0.885	202.03	130.00	6.35	275.35
465	39	9	30	282.0	45051.6	10798.0	359.93	3900.0	0.0	187.90	135.29	0.888	199.11	130.00	6.35	276.54
466	39	10	31	285.0	48322.9	8161.3	263.27	4960.0	0.0	236.07	175.63	0.882	194.11	160.00	6.34	283.48
467	39	11	30	282.3	45358.9	166.0	5.53	3060.0	0.0	138.28	99.56	0.808	193.88	102.00	6.35	283.63
468	39	12	31	280.9	43987.9	1791.0	57.77	3162.0	0.0	140.02	104.17	0.828	196.54	102.00	6.35	281.60
						3275.1	107.67	3537.0	0.0	161.27	117.86	0.847	6038.	3537.	6.35	278.86
469	40	1	31	278.1	41098.5	1140.6	36.79	4030.0	0.0	189.20	140.77	0.889	198.27	130.00	6.35	279.52
470	40	2	28	275.3	38293.1	834.6	29.81	3640.0	0.0	185.44	124.61	0.887	200.80	130.00	6.35	276.68
471	40	3	31	271.8	35035.0	771.9	24.90	4030.0	0.0	181.51	134.69	0.884	203.77	130.00	6.35	273.55
472	40	4	30	269.6	32945.1	970.1	32.34	3060.0	0.0	129.54	93.27	0.818	206.70	102.00	6.35	270.71
473	40	5	31	267.2	30803.6	1268.5	40.92	3410.0	0.0	144.11	107.22	0.857	213.23	110.00	6.35	268.39
474	40	6	30	267.9	31419.4	3675.8	122.53	3060.0	0.0	130.57	94.01	0.842	214.28	102.00	6.35	267.55
475	40	7	31	267.6	31118.3	3728.9	120.29	4030.0	0.0	178.04	132.46	0.900	214.06	130.00	6.35	267.72
476	40	8	31	268.7	32139.2	5050.9	162.93	4030.0	0.0	178.51	132.81	0.900	213.57	130.00	6.35	268.13
477	40	9	30	277.4	40382.6	61214.3	404.78	3900.0	0.0	180.64	130.06	0.883	204.29	130.00	6.35	273.04
478	40	10	31	284.0	47141.6	10789.0	348.03	4030.0	0.0	190.73	141.90	0.890	197.31	130.00	6.35	280.67
479	40	11	30	285.0	48263.9	5807.6	193.59	4650.0	35.3	231.53	166.70	0.887	192.76	155.00	6.34	284.48
480	40	12	31	283.6	46807.3	1705.4	55.01	3162.0	0.0	138.90	103.34	0.808	193.00	102.00	6.35	284.32
						3990.6	130.99	3752.7	2.9	171.54	125.17	0.871	6216.	3753.	6.35	274.56

*** OPTIMAL SCHEDULE ***

CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (MM)	E (GMH)	T (H)	ETG (M3/S)	GCR (M3/S)	GUP (M3/S)	LOSS (M)	SUII (M)	
481	41	1	31	281.3	44333.8	1266.5	(40.85)	3720.0	(120.00)	0.0	174.53	129.85	0.873	195.85	120.00	6.35	282.47
482		2	28	279.4	42426.4	928.6	(53.16)	2856.0	(102.00)	0.0	158.81	93.28	0.827	197.57	102.00	6.35	280.36
483		3	31	277.1	40078.7	814.3	(26.27)	3162.0	(102.00)	0.0	156.77	101.76	0.825	199.38	102.00	6.35	278.25
484		4	30	274.5	37553.3	534.6	(17.82)	3060.0	(102.00)	0.0	134.40	96.77	0.823	201.61	102.00	6.35	275.79
485		5	31	272.1	35271.2	879.9	(28.38)	3162.0	(102.00)	0.0	132.01	98.22	0.821	204.03	102.00	6.35	273.30
486		6	30	272.6	35741.3	353.0	(117.67)	3060.0	(102.00)	0.0	131.10	94.39	0.820	204.99	102.00	6.35	272.35
487		7	31	272.9	36049.2	3469.9	(111.93)	3162.0	(102.00)	0.0	131.50	97.83	0.820	204.57	102.00	6.35	272.76
488		8	31	275.2	38259.2	6240.0	(201.29)	4030.0	(130.00)	0.0	182.00	135.41	0.884	203.26	130.00	6.35	274.07
489		9	30	277.9	40907.8	6548.6	(218.29)	3900.0	(130.00)	0.0	185.29	133.41	0.887	200.90	130.00	6.35	276.57
490		10	31	283.5	46615.1	11051.2	(4339.11)	4805.0	(155.00)	0.0	228.54	170.03	0.895	197.30	155.00	6.34	280.68
491		11	30	284.6	47881.8	6516.7	(217.22)	5250.0	(175.00)	0.0	264.50	190.44	0.901	193.23	175.00	6.35	284.05
492		12	31	283.4	46573.1	1853.3	(59.78)	3162.0	(102.00)	0.0	138.64	103.15	0.808	193.26	102.00	6.35	284.05
						3591.2	(417.65)	3610.7	(118.67)	0.0	164.84	120.38	0.849	6073.1	3611.1	6.35	277.89
493	42	1	31	281.3	44347.8	1184.7	(38.22)	3410.0	(110.00)	0.0	154.57	115.00	0.844	195.94	110.00	6.35	282.35
494		2	28	279.2	42239.3	747.5	(26.70)	2856.0	(102.00)	0.0	138.72	93.22	0.827	197.65	102.00	6.35	280.26
495		3	31	276.7	39735.1	657.8	(21.22)	3162.0	(102.00)	0.0	136.51	101.57	0.825	199.62	102.00	6.35	277.98
496		4	30	274.1	37156.8	481.7	(16.06)	3060.0	(102.00)	0.0	134.04	96.51	0.822	201.97	102.00	6.35	275.41
497		5	31	272.9	35984.4	1989.6	(64.18)	3162.0	(102.00)	0.0	132.18	98.34	0.821	203.86	102.00	6.35	273.47
498		6	30	272.6	35715.0	2790.6	(93.02)	3060.0	(102.00)	0.0	131.45	94.64	0.820	204.62	102.00	6.35	272.71
499		7	31	272.0	35967.7	6420.7	(207.12)	3162.0	(102.00)	0.0	131.31	97.70	0.820	204.77	102.00	6.35	272.57
500		8	31	276.0	38967.7	6420.7	(207.12)	3162.0	(102.00)	0.0	132.93	98.90	0.821	203.08	102.00	6.35	274.26
501		9	30	279.1	42063.6	6155.9	(205.20)	3060.0	(102.00)	0.0	136.05	97.96	0.824	200.13	102.00	6.35	277.51
502		10	31	284.8	48064.9	9163.3	(295.59)	3162.0	(102.00)	0.0	140.34	104.41	0.828	196.27	102.00	6.35	281.94
503		11	30	284.9	48199.1	3194.2	(106.47)	3060.0	(102.00)	0.0	139.40	100.37	0.808	192.12	102.00	6.35	284.88
504		12	31	283.7	46901.9	1864.8	(60.15)	3162.0	(102.00)	0.0	138.91	103.35	0.808	192.98	102.00	6.35	284.33
						3150.6	(4102.98)	3123.2	(102.67)	0.0	137.20	100.16	0.822	6066.1	3123.1	6.35	278.14
505	43	1	31	281.0	44088.0	1216.1	(39.23)	4030.0	(130.00)	0.0	193.01	143.60	0.892	197.91	130.00	6.35	282.38
506		2	28	279.1	42126.1	894.1	(31.93)	2856.0	(102.00)	0.0	138.54	93.10	0.826	195.80	102.00	6.35	280.08
507		3	31	276.7	39749.9	785.8	(25.35)	3162.0	(102.00)	0.0	136.47	101.53	0.825	199.66	102.00	6.35	277.94
508		4	30	274.4	37477.9	788.0	(26.27)	3060.0	(102.00)	0.0	134.20	96.63	0.823	201.81	102.00	6.35	275.58
509		5	31	272.4	35589.1	1273.2	(41.07)	3162.0	(102.00)	0.0	132.13	98.31	0.821	203.90	102.00	6.35	273.43
510		6	30	274.4	37477.0	5787.9	(192.93)	3900.0	(130.00)	0.0	181.14	130.42	0.884	203.90	130.00	6.35	273.43
511		7	31	275.5	38544.1	5097.1	(164.42)	4030.0	(130.00)	0.0	183.17	136.28	0.885	202.39	130.00	6.35	274.97
512		8	31	277.3	40285.1	5771.0	(186.16)	4030.0	(130.00)	0.0	185.07	137.69	0.886	201.05	130.00	6.35	276.40
513		9	30	280.8	43882.2	7497.2	(249.91)	3900.0	(130.00)	0.0	188.59	135.79	0.889	198.78	130.00	6.35	279.06
514		10	31	284.4	47583.2	9126.0	(294.39)	5425.0	(175.00)	0.0	263.53	196.06	0.905	191.76	175.00	6.33	282.60
515		11	30	284.8	47997.5	5064.3	(168.81)	6650.0	(155.00)	0.0	231.67	166.80	0.887	192.63	155.00	6.34	284.56
516		12	31	283.5	46633.2	1797.7	(57.99)	3162.0	(102.00)	0.0	138.71	103.20	0.808	193.13	102.00	6.35	284.11
						3758.2	(123.20)	3780.6	(124.17)	0.0	175.52	128.28	0.861	6040.1	3781.1	6.35	278.71
517	44	1	31	281.1	44098.9	1185.7	(38.25)	3720.0	(120.00)	0.0	174.27	129.66	0.873	196.01	120.00	6.35	282.26
518		2	28	279.1	42132.7	889.8	(31.78)	2856.0	(102.00)	0.0	138.55	93.11	0.826	197.80	102.00	6.35	280.09
519		3	31	276.6	39811.5	640.8	(20.67)	3162.0	(102.00)	0.0	136.40	101.48	0.824	199.72	102.00	6.35	277.87
520		4	30	273.3	36370.1	658.6	(21.95)	3900.0	(130.00)	0.0	133.13	131.85	0.885	202.43	130.00	6.35	274.93
521		5	31	270.9	34395.4	987.3	(31.85)	3162.0	(102.00)	0.0	130.87	97.37	0.820	205.24	102.00	6.35	272.10
522		6	30	280.0	43035.4	41274.0	(424.67)	3900.0	(130.00)	0.0	183.85	132.37	0.886	201.91	130.00	6.35	275.48
523		7	31	282.8	45938.3	6932.0	(223.64)	4030.0	(130.00)	0.0	191.72	142.64	0.891	196.69	130.00	6.35	281.41
524		8	31	282.5	45980.4	4602.1	(148.45)	4960.0	(160.00)	0.0	240.23	178.73	0.902	191.71	160.00	6.34	282.64
525		9	30	285.0	48263.9	6612.1	(220.40)	3900.0	(130.00)	28.6	189.22	136.24	0.868	193.71	130.00	6.35	283.74
526		10	31	285.0	48263.9	4214.6	(135.95)	4185.0	(135.00)	29.6	196.89	146.48	0.868	191.93	135.00	6.34	285.00
527		11	30	284.0	47237.5	2033.6	(67.79)	3060.0	(102.00)	0.0	139.08	100.14	0.808	192.68	102.00	6.35	284.52
528		12	31	282.1	45231.4	1155.9	(37.29)	3162.0	(102.00)	0.0	137.80	102.52	0.807	191.66	102.00	6.35	283.09
						3554.4	(116.89)	3666.4	(102.42)	4.8	170.17	124.38	0.854	5985.1	3666.1	6.35	280.26

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	QQ (M3/SD)	GOUT (M3/SD)	P (MW)	E (GWH)	T (CH)	ETG (M3/S)	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
529	45	1	31	279.9	42887.0	817.6(26.37)	3162.0(102.00)	0.0	139.44	103.74	24.0	0.827	197.03	102.00	6.35	281.01
530		2	28	277.7	40676.1	645.1(23.04)	2856.0(102.00)	0.0	137.28	92.25	24.0	0.825	198.92	102.00	6.35	278.78
531		3	31	275.0	38084.8	570.7(18.41)	3162.0(102.00)	0.0	134.95	100.41	24.0	0.823	201.08	102.00	6.35	276.36
532		4	30	272.4	35535.4	510.6(17.02)	3060.0(102.00)	0.0	132.41	95.33	24.0	0.821	203.61	102.00	6.35	273.71
533		5	31	269.9	33269.8	496.4(28.92)	3162.0(102.00)	0.0	129.97	96.69	24.0	0.819	206.25	102.00	6.35	271.16
534		6	30	273.9	36945.9	6736.1(224.54)	3060.0(102.00)	0.0	130.68	94.09	24.0	0.819	205.45	102.00	6.35	271.90
535		7	31	273.9	37027.3	3243.4(104.63)	3162.0(102.00)	0.0	132.59	98.65	24.0	0.821	203.42	102.00	6.35	273.91
536		8	31	274.0	37123.5	3258.2(105.10)	3162.0(102.00)	0.0	132.68	98.72	24.0	0.821	203.33	102.00	6.35	274.00
537		9	30	278.6	41598.7	8375.3(279.18)	3900.0(130.00)	0.0	184.97	133.17	24.0	0.886	201.12	130.00	6.35	276.33
538		10	31	283.2	46350.6	8781.9(283.29)	4030.0(130.00)	0.0	191.04	142.13	24.0	0.891	197.11	130.00	6.35	280.90
539		11	30	285.0	48263.9	6184.5(206.15)	4271.2(142.37)	0.0	204.26	147.06	24.0	0.854	193.14	142.37	6.34	284.10
540		12	31	283.7	46917.1	1815.2(58.55)	3162.0(102.00)	0.0	138.94	103.37	24.0	0.808	192.92	102.00	6.35	284.37
						3486.2(114.60)	3345.8(110.03)	0.0	149.10	108.80		0.835	6092.	3346.	6.35	277.21
541	46	1	31	281.9	45031.5	1276.4(41.17)	3162.0(102.00)	0.0	137.58	102.36	24.0	0.807	195.55	102.00	6.35	282.84
542		2	28	280.1	43164.0	988.5(35.30)	2856.0(102.00)	0.0	139.47	93.73	24.0	0.827	197.00	102.00	6.35	281.04
543		3	31	277.8	40782.7	780.7(25.18)	3162.0(102.00)	0.0	137.46	102.27	24.0	0.825	198.76	102.00	6.35	278.96
544		4	30	275.3	38359.0	636.3(21.21)	3060.0(102.00)	0.0	135.14	97.30	24.0	0.823	200.90	102.00	6.35	276.56
545		5	31	274.2	37287.9	2090.9(67.45)	3162.0(102.00)	0.0	133.43	99.27	24.0	0.822	202.58	102.00	6.35	274.77
546		6	30	274.2	37295.4	3067.5(102.25)	3060.0(102.00)	0.0	132.90	95.69	24.0	0.821	203.41	102.00	6.35	274.22
547		7	31	273.6	36687.0	2553.6(82.37)	3162.0(102.00)	0.0	132.60	98.65	24.0	0.821	203.42	102.00	6.35	273.91
548		8	31	272.4	35592.0	2067.0(68.68)	3162.0(102.00)	0.0	131.74	98.02	24.0	0.820	204.51	102.00	6.35	273.02
549		9	30	274.0	37061.8	4529.8(150.99)	3060.0(102.00)	0.0	131.93	94.99	24.0	0.821	204.11	102.00	6.35	273.21
550		10	31	276.4	39414.6	5514.8(177.90)	3162.0(102.00)	0.0	133.83	99.57	24.0	0.822	202.17	102.00	6.35	275.20
551		11	30	274.6	37626.9	1272.3(42.41)	3060.0(102.00)	0.0	134.11	96.56	24.0	0.822	201.89	102.00	6.35	275.49
552		12	31	272.1	35251.4	786.6(25.37)	3162.0(102.00)	0.0	132.04	98.24	24.0	0.821	204.00	102.00	6.35	273.32
						2130.4(69.86)	3102.5(102.00)	0.0	134.35	98.05		0.821	6129.	3102.	6.35	276.05
553	47	1	31	269.5	32838.4	749.0(24.16)	3162.0(102.00)	0.0	139.60	96.42	24.0	0.818	206.64	102.00	6.35	270.77
554		2	28	267.0	30639.5	657.1(23.47)	2856.0(102.00)	0.0	131.18	88.15	24.0	0.842	213.42	102.00	6.35	268.24
555		3	31	265.0	28877.3	639.8(20.64)	2402.0(77.48)	0.0	95.74	71.23	24.0	0.819	214.40	77.48	6.36	266.01
556		4	30	265.0	28877.3	820.3(27.34)	820.3(27.34)	0.0	34.35	24.73	24.0	0.835	214.40	27.34	6.39	265.00
557		5	31	265.0	28877.3	433.8(13.99)	433.8(13.99)	0.0	17.67	13.15	24.0	0.839	214.40	13.99	6.39	265.00
558		6	30	273.9	36964.7	11147.4(371.58)	3060.0(102.00)	0.0	128.33	92.40	24.0	0.817	208.09	102.00	6.35	269.44
559		7	31	272.7	35862.5	2927.6(94.44)	4030.0(130.00)	0.0	130.98	134.65	24.0	0.884	204.02	130.00	6.35	273.30
560		8	31	275.0	38051.8	6219.5(200.63)	4030.0(130.00)	0.0	131.73	135.20	24.0	0.884	203.46	130.00	6.35	273.87
561		9	32	279.9	42957.1	9065.3(283.29)	4160.0(130.00)	0.0	186.49	143.22	24.0	0.887	200.06	130.00	6.35	277.48
562		10	31	283.4	46510.7	8978.7(289.64)	5425.0(175.00)	0.0	242.09	195.00	24.0	0.905	192.93	175.00	6.33	281.65
563		11	30	285.0	48253.5	7142.8(238.09)	5400.0(180.00)	0.0	271.26	195.31	24.0	0.897	193.04	180.00	6.35	284.17
564		12	31	283.8	46983.5	1891.8(61.03)	3162.0(102.00)	0.0	138.97	103.39	24.0	0.808	192.88	102.00	6.35	284.40
						4222.7(137.36)	3245.1(105.99)	0.0	146.53	107.74		0.853	6261.	3245.	6.35	273.28
565	48	1	31	281.2	44248.5	1295.2(41.78)	4030.0(130.00)	0.0	193.17	143.72	24.0	0.892	195.82	130.00	6.35	282.50
566		2	28	279.4	42451.8	1059.3(37.83)	2856.0(102.00)	0.0	138.77	93.25	24.0	0.827	197.60	102.00	6.35	280.32
567		3	31	277.0	40335.2	745.4(24.05)	3162.0(102.00)	0.0	136.76	101.75	24.0	0.825	199.39	102.00	6.35	278.24
568		4	30	274.6	37638.6	663.4(22.11)	3060.0(102.00)	0.0	134.42	96.78	24.0	0.823	201.59	102.00	6.35	275.81
569		5	31	272.9	36043.0	1566.4(50.53)	3162.0(102.00)	0.0	132.44	98.54	24.0	0.821	203.58	102.00	6.35	273.75
570		6	30	277.3	40282.6	8159.6(271.32)	3900.0(130.00)	0.0	133.35	132.01	24.0	0.885	202.27	130.00	6.35	275.10
571		7	31	279.4	42410.2	6157.6(198.63)	4030.0(130.00)	0.0	187.64	139.60	24.0	0.888	199.29	130.00	6.35	278.34
572		8	31	281.7	44753.4	6373.2(205.59)	4030.0(130.00)	0.0	190.56	141.78	24.0	0.890	197.41	130.00	6.35	280.54
573		9	30	283.7	46889.5	7086.1(236.20)	4950.0(165.00)	0.0	247.15	177.95	24.0	0.899	191.65	165.00	6.34	282.70
574		10	31	285.0	48263.9	6195.9(199.87)	4805.0(155.00)	0.0	231.34	172.11	24.0	0.887	192.95	155.00	6.34	284.36
575		11	30	284.5	47710.4	2506.5(83.55)	3060.0(102.00)	16.5	139.28	100.28	24.0	0.808	192.33	102.00	6.35	284.74
576		12	31	282.4	45523.8	1843.4(59.46)	4030.0(130.00)	0.0	188.84	140.50	24.0	0.867	194.16	130.00	6.35	283.45
						3636.0(119.24)	3756.2(123.33)	1.4	175.31	128.19		0.859	6002.	3756.	6.35	279.99

*** OPTIMAL SCHEDULE *** CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	GIN (M3/SD)	Qq (M3/SD)	QOUT (M3/SD)	P (MW)	E (GW/H)	T (H)	ETG (M3/S)	GCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
577	49	1	31	279.7	42739.2	1265.4(40.40-17)	4030.0(130.00)	0.0	191.26	142.30	24.0	0.851	194.97	130.00	6.35	281.07
578		2	28	277.2	40164.9	1065.7(38.06)	3640.0(130.00)	0.0	187.77	146.18	24.0	0.888	199.20	130.00	6.35	278.45
579		3	31	273.7	36826.7	691.8(22.32)	4030.0(130.00)	0.0	183.81	136.76	24.0	0.886	201.93	130.00	6.35	275.45
580		4	30	270.4	33693.4	746.7(25.56)	3900.0(130.00)	0.0	179.36	139.14	24.0	0.882	205.28	130.00	6.35	272.07
581		5	31	267.2	30800.2	1136.8(36.67)	4030.0(130.00)	0.0	175.08	130.26	24.0	0.879	212.74	130.00	6.35	268.80
582		6	30	267.2	30775.6	3875.4(129.18)	3900.0(130.00)	0.0	177.40	127.73	24.0	0.900	214.40	130.00	6.35	267.18
583		7	31	267.3	30919.7	4174.1(134.65)	4030.0(130.00)	0.0	177.48	132.04	24.0	0.900	214.40	130.00	6.35	267.25
584		8	31	269.5	32843.0	5935.3(192.04)	4030.0(130.00)	0.0	178.83	133.05	24.0	0.901	213.23	130.00	6.35	268.40
585		9	30	277.2	40223.7	11280.8(376.03)	3900.0(130.00)	0.0	181.94	130.35	24.0	0.884	203.98	130.00	6.35	273.35
586		10	31	284.5	47763.6	11569.9(373.22)	4030.0(130.00)	0.0	191.01	142.11	24.0	0.891	197.13	130.00	6.35	280.88
587		11	30	283.6	46738.7	4223.1(140.84)	5230.0(175.00)	0.0	264.91	190.44	24.0	0.901	193.22	175.00	6.35	284.05
588		12	31	281.1	44199.7	1491.0(48.10)	4030.0(130.00)	0.0	192.98	143.58	24.0	0.892	195.95	130.00	6.35	282.36
						3956.3(129.74)	4066.7(133.75)	0.0	190.04	138.66		0.891	6207.4067.		6.34	274.94
589	50	1	31	278.2	41240.6	1070.9(34.55)	4030.0(130.00)	0.0	189.43	140.94	24.0	0.889	198.13	130.00	6.35	279.70
590		2	28	275.4	38403.9	803.3(28.65)	3640.0(130.00)	0.0	185.41	124.73	24.0	0.887	200.67	130.00	6.35	276.81
591		3	31	271.9	35075.3	701.4(22.63)	4030.0(130.00)	0.0	181.41	134.97	24.0	0.884	203.70	130.00	6.35	273.63
592		4	30	268.3	31825.3	650.0(21.67)	3900.0(130.00)	0.0	176.80	127.30	24.0	0.881	207.35	130.00	6.35	270.12
593		5	31	265.8	29593.2	1797.9(58.00)	4030.0(130.00)	0.0	177.28	131.90	24.0	0.900	214.40	130.00	6.35	267.09
594		6	30	268.0	31527.1	5833.9(194.46)	3900.0(130.00)	0.0	177.09	127.50	24.0	0.900	214.40	130.00	6.35	266.92
595		7	31	267.4	30980.3	4723.2(152.36)	5270.0(170.00)	0.0	233.92	173.36	24.0	0.903	214.08	170.00	6.34	267.71
596		8	31	269.0	32438.4	6728.1(217.04)	5270.0(170.00)	0.0	233.80	173.94	24.0	0.903	213.66	170.00	6.34	268.21
597		9	30	278.0	40959.8	14656.4(487.88)	6115.0(203.83)	0.0	288.31	207.59	24.0	0.899	203.83	203.83	6.35	273.50
598		10	31	283.7	46836.4	11301.7(364.57)	5425.0(175.00)	0.0	260.84	194.06	24.0	0.905	197.19	175.00	6.35	280.81
599		11	30	284.9	48165.0	6728.6(224.29)	5400.0(180.00)	0.0	271.46	195.45	24.0	0.897	193.04	180.00	6.35	284.29
600		12	31	283.8	46993.8	2858.8(92.22)	4030.0(130.00)	0.0	190.05	141.40	24.0	0.868	192.93	130.00	6.35	284.36
						4819.5(158.19)	4586.7(150.74)	0.0	213.76	136.10		0.893	6219.4587.		6.34	274.43
						40058.8(*****40075.1(*****))		2.9	1786.90	1504.84		0.844	74327.40075.		6.35	274.53

* MONTHLY INFLOW (M3/S) * CASE 2 (AVAILABLE DRAWDOWN = 20 m)

NO. YEAR	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	< OCT >	< NOV >	< DEC >	< TOTAL >
1	41.57	31.28	20.96	23.39	8.49	240.29	53.48	74.33	384.96	281.64	252.83	65.81	1478.43
2	40.73	37.39	21.93	19.61	33.01	148.72	225.84	176.87	248.03	178.78	103.89	60.04	1294.83
3	35.59	31.43	24.81	28.31	61.41	265.20	92.56	202.49	304.11	210.88	108.30	56.55	1421.64
4	37.35	25.30	18.19	22.05	37.83	324.74	217.19	227.42	208.87	283.77	124.08	40.14	1566.95
5	28.29	25.18	20.50	29.81	37.25	37.39	81.72	160.87	101.93	177.40	71.45	39.80	811.59
6	29.02	23.30	20.22	26.49	28.32	90.96	136.61	112.44	231.01	241.73	25.94	58.50	1044.54
7	38.43	33.98	24.81	19.82	35.89	45.12	55.59	115.00	325.63	226.63	114.67	62.09	1026.53
8	36.28	37.86	23.88	22.86	51.44	103.21	74.06	85.68	203.29	241.25	66.76	78.37	1024.94
9	45.54	35.71	26.67	23.82	34.49	117.23	66.14	131.68	195.96	241.05	155.55	43.70	1117.64
10	32.35	25.02	21.18	17.59	62.53	246.31	60.47	162.26	240.84	216.65	165.97	53.64	1304.81
11	36.74	27.50	21.13	21.41	27.49	192.58	182.25	178.54	323.34	301.14	151.35	56.17	1519.63
12	36.09	28.72	23.28	23.62	46.92	183.00	211.24	271.46	266.65	270.07	115.19	44.87	1521.11
13	30.45	28.60	22.91	22.39	53.36	98.04	159.28	123.62	513.33	295.33	244.92	57.25	1649.48
14	37.56	27.14	22.69	24.51	51.85	126.83	133.67	152.89	148.40	292.52	94.07	47.14	1159.28
15	30.48	24.81	17.42	22.48	60.36	105.64	117.23	106.17	144.84	257.72	88.35	72.52	1048.08
16	44.72	32.24	21.66	18.82	33.03	73.19	112.71	33.63	217.43	177.51	72.20	46.44	883.57
17	31.95	23.79	17.50	14.50	27.18	154.72	65.76	30.77	199.25	283.77	139.41	66.60	1055.20
18	44.96	34.20	25.97	23.22	66.46	13.58	136.58	117.47	285.76	220.82	148.89	82.72	1180.44
19	51.10	38.83	26.97	27.31	21.69	181.79	132.63	103.53	313.62	231.97	103.45	70.79	1303.67
20	45.00	35.92	25.97	31.30	47.52	166.45	49.79	45.76	88.62	145.49	67.97	64.38	814.18
21	43.83	35.28	23.77	31.64	53.87	235.75	166.55	350.52	410.08	310.87	212.57	38.97	1913.70
22	28.88	22.60	19.35	14.95	23.98	86.53	92.41	92.41	156.31	115.83	3.23	39.33	793.93
23	28.35	22.19	11.71	9.78	42.32	257.90	58.98	81.62	91.79	168.60	118.35	63.52	955.09
24	38.26	31.15	21.75	17.60	40.34	305.46	209.47	247.02	311.87	258.48	184.14	48.09	1713.64
25	31.41	28.04	24.78	28.49	53.18	30.25	32.44	14.12	208.04	274.00	171.15	57.50	953.43
26	40.67	30.41	23.33	28.79	67.86	389.57	212.44	283.71	323.92	298.80	141.36	69.85	1930.73
27	44.70	33.42	20.87	28.10	22.11	67.68	66.53	78.99	297.55	303.22	137.89	72.13	1173.38
28	44.68	32.75	20.75	19.66	33.23	109.46	92.60	138.65	160.59	148.28	65.77	20.65	887.07
29	19.81	14.62	13.86	17.75	33.04	174.29	90.78	95.56	234.52	245.61	91.32	44.26	1076.41
30	31.88	24.55	19.95	22.52	72.29	118.12	235.77	205.01	215.60	215.37	42.27	45.89	1249.21
31	28.25	21.27	18.48	18.88	63.33	443.99	197.87	232.56	235.07	232.02	223.30	57.18	1792.21
32	39.35	31.41	25.57	18.33	20.43	83.08	224.74	254.87	284.12	282.46	55.61	52.95	1384.93
33	31.62	25.21	17.56	17.52	46.56	43.66	160.47	200.67	257.76	263.37	170.87	41.28	1276.56
34	31.04	19.83	20.94	18.69	29.60	103.99	64.16	158.14	156.95	177.76	42.85	37.71	861.67
35	30.02	23.61	15.27	15.58	66.98	236.01	191.27	237.89	320.90	380.74	223.12	76.87	1818.27
36	46.64	33.68	24.87	22.86	27.49	66.56	81.39	128.50	224.02	294.27	292.57	87.13	1329.99
37	53.15	46.86	29.09	28.78	26.51	188.92	181.59	298.51	313.71	252.53	61.48	58.97	1540.09
38	34.30	26.30	20.42	15.11	39.27	40.73	39.48	130.07	426.01	493.06	265.08	65.89	1595.72
39	38.96	29.20	20.71	19.66	11.22	280.56	89.92	115.35	359.93	263.27	5.23	57.77	1292.10
40	36.79	29.81	24.90	32.34	40.92	122.53	120.39	162.93	404.78	348.03	193.59	55.01	1571.92
41	40.85	33.16	26.27	17.82	28.38	117.67	111.93	201.29	218.29	339.11	217.22	59.78	1411.79
42	38.22	26.70	21.22	16.06	64.18	93.02	101.81	207.12	205.20	295.59	106.47	60.15	1235.73
43	39.23	31.93	25.35	26.27	41.07	192.93	164.42	186.16	249.91	294.39	168.81	57.99	1478.45
44	38.25	31.78	20.67	21.95	31.85	124.67	223.64	148.45	220.40	155.95	67.79	37.29	1402.69
45	26.37	23.04	18.41	17.02	28.92	224.54	104.63	105.10	279.18	283.29	206.15	58.55	1375.19
46	41.17	35.30	25.18	21.21	67.45	102.25	82.37	66.68	150.99	177.90	42.41	25.37	838.39
47	24.16	23.47	20.64	27.34	13.99	371.58	94.44	200.63	283.29	289.64	238.09	61.03	1648.50
48	41.78	37.83	24.05	22.11	50.53	198.63	198.63	205.59	236.20	199.87	83.55	59.46	1430.92
49	40.17	36.06	22.32	25.56	36.67	129.18	134.65	192.04	376.03	373.22	140.84	48.10	1556.63
50	34.55	28.69	22.63	21.67	58.00	194.46	152.36	217.04	487.88	364.57	224.39	92.22	1898.34
TOTAL	1861.54	1479.36	1093.29	1107.35	2082.09	8527.61	6336.79	7850.02	1308.58	12855.16	6612.44	2818.39	65682.81
AVE	36.83	29.59	21.87	22.15	41.24	170.53	126.74	157.00	261.97	257.10	132.25	56.37	1313.66
MAX	53.15	46.86	29.09	32.34	72.29	443.99	235.77	350.52	513.33	493.06	292.57	92.22	1930.73
MIN	19.81	14.62	11.71	9.78	8.49	13.58	32.44	14.12	88.62	113.83	3.23	20.65	793.93