171	65.00	172	65.00	173	65.00	174	65.00	175	65.00	176	65.00	177	65.00	178	65.00	179	65.00	180	65.00
181	65.00	182	65.00	183	65.00	184	65.00	185	65.00	186	65.00	187	65.00	188	65.00	189	65.00	190	65.00
191	65.00	192	65.00	193	65.00	194	65.00	195	65.00	196	65.00	197	65.00	198	65.00	199	65.00	200	65.00
201	65.00	202	65.00	203	65.00	204	65.00	205	65.00	206	65.00	207	65.00	208	65.00	209	65.00	210	65.00
211	65.00	212	65.00	213	65.00	214	65.00	215	65.00	216	65.00	217	65.00	218	65.00	219	65.00	220	65.00
221	65.00	222	65.00	223	65.00	224	65.00	225	65.00	226	65.00	227	65.00	228	65.00	229	65.00	230	65.00
231	65.00	232	65.00	233	65.00	234	65.00	235	65.00	236	65.00	237	65.00	238	65.00	239	65.00	240	65.00
241	65.00	242	65.00	243	65.00	244	65.00	245	65.00	246	65.00	247	65.00	248	65.00	249	65.00	250	65.00
251	65.00	252	65.00	253	65.00	254	65.00	255	65.00	256	65.00	257	65.00	258	65.00	259	65.00	260	65.00
261	65.00	262	65.00	263	65.00	264	65.00	265	65.00	266	65.00	267	65.00	268	65.00	269	65.00	270	65.00
271	65.00	272	65.00	273	65.00	274	65.00	275	65.00	276	65.00	277	65.00	278	65.00	279	65.00	280	65.00
281	65.00	282	65.00	283	65.00	284	65.00	285	65.00	286	65.00	287	65.00	288	65.00	289	65.00	290	65.00
291	65.00	292	65.00	293	65.00	294	65.00	295	65.00	296	65.00	297	65.00	298	65.00	299	65.00	300	65.00
301	65.00	302	65.00	303	65.00	304	65.00	305	65.00	306	65.00	307	65.00	308	65.00	309	65.00	310	65.00
311	65.00	312	65.00	313	65.00	314	65.00	315	65.00	316	65.00	317	65.00	318	65.00	319	65.00	320	65.00
321	65.00	322	65.00	323	65.00	324	65.00	325	65.00	326	65.00	327	65.00	328	65.00	329	65.00	330	65.00
331	65.00	332	65.00	333	65.00	334	65.00	335	65.00	336	65.00	337	65.00	338	65.00	339	65.00	340	65.00
341	65.00	342	65.00	343	65.00	344	65.00	345	65.00	346	65.00	347	65.00	348	65.00	349	65.00	350	65.00
351	65.00	352	65.00	353	65.00	354	65.00	355	65.00	356	65.00	357	65.00	358	65.00	359	65.00	360	65.00
361	65.00	362	65.00	363	65.00	364	65.00	365	65.00	366	65.00	367	65.00	368	65.00	369	65.00	370	65.00
371	65.00	372	65.00	373	65.00	374	65.00	375	65.00	376	65.00	377	65.00	378	65.00	379	65.00	380	65.00
381	65.00	382	65.00	383	65.00	384	65.00	385	65.00	386	65.00	387	65.00	388	65.00	389	65.00	390	65.00
391	65.00	392	65.00	393	65.00	394	65.00	395	65.00	396	65.00	397	65.00	398	65.00	399	65.00	400	65.00
401	65.00	402	65.00	403	65.00	404	65.00	405	65.00	406	65.00	407	65.00	408	65.00	409	65.00	410	65.00
411	65.00	412	65.00	413	65.00	414	65.00	415	65.00	416	65.00	417	65.00	418	65.00	419	65.00	420	65.00
421	65.00	422	65.00	423	65.00	424	65.00	425	65.00	426	65.00	427	65.00	428	65.00	429	65.00	430	65.00
431	65.00	432	65.00	433	65.00	434	65.00	435	65.00	436	65.00	437	65.00	438	65.00	439	65.00	440	65.00
441	65.00	442	65.00	443	65.00	444	65.00	445	65.00	446	65.00	447	65.00	448	65.00	449	64.99	450	64.98
451	64.96	452	64.94	453	64.93	454	64.87	455	64.87	456	64.78	457	64.75	458	64.72	459	64.70	460	64.70
461	64.69	462	64.69	463	64.69	464	64.59	465	64.59	466	64.58	467	64.52	468	64.49	469	64.46	470	64.41
471	64.39	472	64.33	473	64.32	474	64.31	475	64.26	476	64.20	477	64.18	478	64.14	479	63.96	480	63.93
481	63.91	482	63.86	483	63.84	484	63.66	485	63.55	486	63.55	487	63.44	488	63.40	489	63.39	490	63.37
491	63.36	492	63.33	493	63.31	494	63.25	495	63.24	496	63.24	497	63.21	498	63.21	499	63.18	500	63.14
501	63.09	502	63.06	503	62.97	504	62.81	505	62.80	506	62.79	507	62.66	508	62.64	509	62.56	510	62.56
511	62.54	512	62.54	513	62.52	514	62.44	515	62.43	516	62.41	517	62.33	518	62.07	519	62.07	520	62.03
521	62.03	522	62.03	523	61.99	524	61.97	525	61.92	526	61.89	527	61.89	528	61.89	529	61.71	530	61.66
531	61.57	532	61.55	533	61.44	534	61.34	535	61.33	536	61.20	537	60.94	538	60.94	539	60.90	540	60.88
541	60.76	542	60.75	543	60.66	544	60.55	545	60.49	546	60.40	547	60.36	548	60.23	549	60.13	550	60.10
551	59.91	552	59.84	553	59.73	554	59.13	555	59.12	556	59.06	557	58.97	558	58.86	559	58.71	560	58.60
561	58.52	562	58.47	563	58.41	564	58.27	565	58.18	566	58.10	567	58.07	568	58.03	569	57.89	570	57.77
571	57.72	572	57.71	573	57.63	574	57.42	575	57.24	576	56.90	577	56.72	578	56.59	579	56.21	580	55.59
581	55.56	582	55.51	583	55.36	584	55.30	585	55.27	586	55.20	587	54.96	588	54.54	589	54.40	590	54.26
591	54.24	592	54.23	593	54.09	594	53.15	595	53.15	596	53.15	597	44.80	598	26.53	599	21.16	600	15.25

* MONTHLY INFLOW (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	37.02	34.38	29.60	26.53	25.71	41.60	148.42	305.42	104.46	53.90	30.23	21.18	858.45
2	1941	33.43	54.28	34.13	29.54	29.16	47.82	116.39	393.34	194.26	72.43	36.26	28.66	1069.70
3	1942	34.94	33.50	30.92	26.59	23.14	27.90	70.55	186.73	86.88	46.50	26.65	17.04	611.34
4	1943	23.58	27.22	24.51	22.70	22.50	45.62	105.72	325.52	132.72	68.04	36.32	28.54	862.99
5	1944	31.11	32.49	25.65	24.33	20.37	25.71	56.10	182.34	172.29	56.10	27.41	19.81	673.71
6	1945	23.76	25.14	23.45	22.38	19.99	27.15	69.92	229.43	253.93	90.65	63.64	39.90	889.34
7	1946	54.85	44.36	36.32	34.13	30.04	57.36	103.21	101.95	81.86	47.18	21.18	22.44	634.88
8	1947	25.46	37.14	27.85	24.46	21.62	23.26	79.97	223.15	235.71	60.50	35.38	35.82	830.32
9	1948	31.86	29.10	27.09	22.88	19.87	26.90	47.82	240.74	112.62	33.62	22.82	21.06	636.38
10	1949	26.97	24.02	22.06	20.50	19.49	34.38	105.09	238.86	130.84	53.22	27.97	20.43	723.83
11	1950	38.52	31.74	28.16	26.65	22.44	38.96	89.39	203.06	153.45	57.99	30.79	34.82	755.97
12	1951	59.87	42.60	35.82	31.74	31.67	36.20	146.54	247.65	169.14	79.97	40.90	31.36	953.46
13	1952	29.66	29.35	30.23	27.66	25.14	31.18	84.37	235.71	166.01	71.18	41.28	28.78	800.55
14	1953	28.28	29.29	27.34	25.96	24.20	38.14	84.37	267.11	241.37	153.45	56.74	38.71	1014.96
15	1954	38.46	33.18	30.92	26.34	21.88	28.72	58.62	169.14	83.11	19.43	10.14	9.88	529.82
16	1955	18.05	18.86	21.94	19.93	23.32	29.48	71.18	133.35	139.63	64.27	33.56	27.34	600.91
17	1956	32.49	27.22	27.02	24.95	24.51	43.98	96.93	166.01	127.07	57.99	26.15	25.21	679.53
18	1957	30.36	32.99	28.78	26.21	22.70	30.61	56.74	122.05	119.54	49.89	25.90	25.71	571.48
19	1958	27.34	24.83	23.82	24.20	19.43	30.54	83.74	199.92	127.70	48.63	38.46	32.24	680.85
20	1959	39.40	39.58	32.18	29.60	29.66	38.77	114.51	205.57	112.00	73.06	46.12	32.74	793.19
21	1960	21.82	19.37	19.55	16.60	14.22	16.86	35.57	77.46	40.22	9.57	4.67	3.16	279.07
22	1961	9.50	12.14	14.97	12.34	11.39	25.14	66.15	133.35	69.92	32.55	13.78	10.76	411.99
23	1962	11.02	13.09	11.90	13.46	11.64	17.04	132.10	329.29	228.81	123.93	83.11	28.28	1003.67
24	1963	46.18	39.58	28.22	22.13	18.11	31.23	127.07	270.88	187.98	54.28	20.94	18.62	865.22
25	1964	19.81	18.74	19.30	14.78	12.96	37.95	103.83	141.51	88.76	48.94	24.70	17.36	548.64
26	1965	33.94	23.82	22.57	23.01	21.18	27.90	105.72	195.52	60.50	21.00	12.65	15.47	563.28
27	1966	20.12	17.92	15.60	14.59	11.02	16.16	42.10	226.30	84.99	94.42	42.86	23.89	609.97
28	1967	26.53	25.71	25.14	22.00	19.11	39.84	328.66	369.48	198.66	66.78	33.18	26.78	1181.87
29	1968	29.04	32.24	23.76	17.92	14.78	34.13	142.77	277.16	63.02	19.74	18.99	17.36	690.91
30	1969	30.23	21.62	22.19	18.23	15.41	24.95	112.62	92.53	30.79	24.26	12.27	14.66	419.76
31	1970	17.54	15.47	12.34	12.02	8.69	19.99	53.09	174.17	81.22	15.16	37.33	10.95	457.97
32	1971	16.66	17.80	17.74	14.85	15.34	20.56	108.23	149.05	112.62	39.09	17.80	25.21	554.95
33	1972	27.90	25.71	21.00	19.99	21.44	25.39	74.94	156.58	112.00	39.53	11.33	14.28	550.09
34	1973	25.21	23.51	16.35	12.83	11.70	22.70	41.98	160.35	49.07	14.03	12.96	25.27	415.96
35	1974	12.90	13.46	16.66	15.60	11.20	18.86	71.18	86.88	53.28	19.74	8.69	12.58	341.03
36	1975	19.43	17.98	10.32	12.14	11.64	30.61	106.34	260.83	130.21	56.10	24.08	23.20	702.88
37	1976	33.04	29.46	28.01	20.50	21.61	31.08	99.66	208.85	73.99	26.47	13.94	19.99	606.60
38	1977	24.26	22.04	19.39	19.22	23.32	38.93	102.22	270.26	91.13	18.97	10.44	13.17	653.35
39	1978	18.97	20.16	19.82	18.97	19.57	26.56	98.81	163.64	118.43	48.40	13.68	12.57	579.58
40	1979	31.93	44.39	31.42	25.71	22.47	39.27	175.58	156.81	26.05	8.90	14.19	12.14	588.86
41	1980	17.60	16.75	16.24	15.13	13.94	20.16	65.80	132.08	178.99	22.81	15.13	14.28	528.91
42	1981	18.03	21.44	19.50	15.20	12.40	17.60	119.00	152.00	26.50	8.96	7.05	13.70	431.38
43	1982	16.40	15.10	14.80	13.40	12.10	16.50	32.30	81.70	38.20	7.72	4.01	6.47	258.70
44	1983	20.10	34.20	22.10	19.20	16.00	28.50	124.00	256.00	70.00	30.00	35.90	24.50	680.50
45	1984	23.00	25.10	22.00	19.10	19.00	26.10	139.00	116.00	26.00	14.30	6.96	15.40	451.96
46	1985	24.70	18.90	20.80	18.00	18.80	34.50	142.00	150.00	113.00	25.20	5.16	17.10	588.16
47	1986	31.80	31.90	21.50	18.50	25.80	26.10	130.00	349.00	79.30	20.10	15.00	17.70	766.70
48	1987	20.44	23.28	18.56	17.33	19.57	30.64	130.33	240.57	212.21	101.99	29.94	28.20	873.06
49	1988	36.91	27.92	23.11	18.96	15.24	42.16	132.48	42.59	11.20	5.87	5.06	9.18	370.68
50	1989	23.78	21.95	22.90	14.57	13.26	37.47	151.48	232.08	64.02	28.47	11.70	13.40	635.08
	TOTAL	1374.19	1342.01	1165.54	1033.55	959.74	1529.15	5084.55	10029.89	5665.61	2305.27	1245.39	1047.29	32782.30
	AVE	27.48	26.84	23.31	20.67	19.19	30.58	101.69	200.60	113.31	46.11	24.91	20.95	655.65
	MAX	59.87	54.28	36.32	34.13	31.67	57.36	328.66	393.34	253.93	153.45	83.11	39.90	1181.87
	MIN	9.50	12.14	10.32	12.02	8.69	16.16	32.30	42.59	11.20	5.87	4.01	3.16	258.70

* MONTHLY OUTFLOW (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	37.50	33.70	32.01	58.92	108.86	122.95	117.89	135.14	103.68	53.57	32.14	31.10	867.45
2	1941	32.14	38.88	34.82	72.32	111.28	120.98	116.12	192.88	192.85	72.32	34.82	30.97	1050.38
3	1942	32.01	31.10	32.01	32.14	29.03	32.14	117.71	120.53	85.54	45.53	32.01	30.97	620.72
4	1943	32.01	30.97	32.14	32.14	80.18	121.37	116.64	126.57	131.27	66.96	34.82	30.97	836.04
5	1944	32.01	31.10	32.01	32.14	28.91	45.53	116.64	125.88	119.23	53.57	32.01	30.97	680.01
6	1945	32.01	30.97	32.14	32.14	29.03	117.85	117.03	124.31	157.60	91.07	61.60	38.88	864.63
7	1946	53.57	44.06	34.82	34.82	31.45	56.25	103.68	99.10	80.35	45.53	32.14	30.97	646.75
8	1947	32.14	31.10	32.01	32.14	47.61	126.89	113.59	124.14	133.30	58.92	34.82	33.70	800.35
9	1948	32.01	31.10	32.14	32.14	28.91	40.18	121.82	125.88	111.46	32.01	32.14	31.10	650.89
10	1949	32.01	31.10	32.01	32.14	28.91	77.67	121.82	125.95	114.05	51.02	32.01	30.97	709.66
11	1950	32.01	30.97	32.01	32.14	29.03	91.07	123.84	125.88	116.55	56.25	32.14	30.97	732.87
12	1951	58.92	41.47	34.82	61.60	115.26	122.08	116.64	125.88	119.23	77.70	40.18	31.10	944.89
13	1952	32.14	30.97	32.01	32.14	38.71	126.14	118.96	127.55	116.64	69.64	40.18	31.10	796.18
14	1953	32.01	31.10	32.14	32.14	84.67	125.88	112.56	125.35	181.50	151.63	56.25	41.47	1006.71
15	1954	32.32	33.70	32.01	32.14	29.03	32.14	88.13	120.98	80.69	32.01	32.01	30.97	576.13
16	1955	32.01	30.97	32.01	32.01	29.94	32.01	30.97	77.67	115.83	61.60	32.01	30.97	538.00
17	1956	32.01	31.10	32.01	32.14	29.03	50.89	116.28	123.21	114.18	56.25	32.01	30.97	680.08
18	1957	32.01	31.10	32.01	32.01	28.91	32.01	31.10	116.46	116.64	48.21	32.01	30.97	563.44
19	1958	32.01	30.97	32.01	32.01	29.03	32.14	116.64	123.10	115.76	45.56	37.50	30.97	657.70
20	1959	40.18	38.88	32.01	32.01	29.94	109.81	121.82	121.57	111.46	72.32	42.85	30.86	783.71
21	1960	31.07	30.84	32.01	32.01	28.91	31.95	30.51	31.20	29.68	30.28	30.43	29.88	368.76
22	1961	31.50	30.89	32.01	32.01	28.91	31.98	30.97	32.01	30.97	32.01	32.01	30.97	376.23
23	1962	32.01	30.97	32.14	32.01	28.91	52.46	116.67	143.94	227.40	122.11	83.03	31.10	932.75
24	1963	40.18	38.88	32.14	34.82	112.75	119.89	114.23	126.47	143.22	53.57	32.01	30.97	879.12
25	1964	32.01	30.97	32.01	32.01	28.91	32.01	33.70	117.85	95.90	40.18	32.01	30.97	538.52
26	1965	32.01	30.97	32.14	32.01	29.03	32.14	116.64	120.53	59.62	32.01	32.01	30.97	580.07
27	1966	32.01	30.97	32.01	32.01	28.91	32.01	30.97	93.74	82.94	93.74	40.18	30.97	560.47
28	1967	32.01	31.10	32.01	32.14	100.22	120.16	128.39	368.45	197.25	66.96	32.01	30.97	1171.68
29	1968	32.01	30.97	32.14	32.14	60.48	126.22	120.14	127.73	62.21	32.01	32.01	30.97	719.03
30	1969	32.01	30.97	32.01	32.01	28.91	32.01	33.70	69.68	30.97	32.01	32.01	30.97	417.25
31	1970	32.01	30.97	32.01	32.01	28.91	32.01	30.97	42.85	80.35	32.01	32.01	30.97	437.08
32	1971	32.01	30.97	32.01	32.01	29.94	32.01	30.97	101.78	111.46	37.50	32.01	30.97	533.63
33	1972	32.01	30.97	32.01	32.01	28.91	32.01	38.88	119.87	115.46	32.55	32.01	30.97	557.64
34	1973	32.01	30.97	32.01	32.01	28.91	32.01	30.97	56.25	44.82	32.01	32.01	30.97	414.94
35	1974	32.01	30.97	32.01	32.01	28.91	32.01	30.97	32.01	30.97	32.01	32.01	30.97	376.85
36	1975	32.01	30.97	32.01	32.01	29.94	32.01	75.17	128.06	115.68	53.57	32.01	30.97	624.40
37	1976	32.01	30.97	32.01	32.01	28.91	53.57	119.23	122.11	72.58	32.01	32.01	30.97	618.38
38	1977	32.01	30.97	32.01	32.01	28.91	77.67	119.22	125.88	90.72	32.01	32.01	30.97	664.39
39	1978	32.01	30.97	32.01	32.01	28.91	32.01	30.97	109.81	115.45	45.53	32.01	30.97	552.67
40	1979	32.01	30.97	32.01	32.01	29.94	88.39	120.74	120.49	30.97	32.01	32.01	30.97	612.51
41	1980	32.01	30.97	32.01	32.01	28.91	32.01	30.97	66.96	116.64	32.01	32.01	30.97	497.47
42	1981	32.01	30.97	32.01	32.01	28.91	32.01	30.97	105.75	25.09	7.14	20.99	29.66	407.52
43	1982	31.35	30.85	32.01	32.01	28.91	31.96	30.61	31.39	29.91	30.59	30.76	30.14	370.49
44	1983	31.60	30.90	32.01	32.01	29.94	31.98	54.43	125.88	67.39	32.01	32.01	30.97	531.13
45	1984	32.01	30.97	32.01	32.01	28.91	32.01	75.17	114.61	30.97	32.01	32.01	30.97	503.65
46	1985	32.01	30.97	32.01	32.01	28.91	32.01	51.84	116.52	111.46	32.01	32.01	30.97	562.71
47	1986	32.01	30.97	32.01	32.01	55.64	119.70	116.67	161.56	77.89	32.01	32.01	30.97	753.44
48	1987	32.01	30.97	32.01	32.01	35.08	119.97	116.64	125.78	138.80	101.78	32.01	30.97	828.04
49	1988	32.01	30.97	32.01	32.01	28.91	32.01	98.50	42.85	30.97	32.01	32.01	30.97	455.22
50	1989	32.01	30.97	32.01	32.01	28.91	32.01	101.09	125.88	61.27	26.65	9.91	12.03	524.74
	TOTAL	1668.86	1602.21	1609.85	1704.66	2058.88	3166.09	4230.81	5695.94	4876.82	2495.90	1719.08	1548.18	32377.28
	AVE	33.38	32.04	32.20	34.09	41.18	63.32	84.62	113.92	97.54	49.92	34.38	30.96	647.55
	MAX	58.92	44.06	34.82	72.32	115.26	126.89	128.39	368.45	227.40	151.63	83.03	41.47	1171.68
	MIN	31.07	30.84	32.01	32.01	28.91	31.95	30.51	31.20	25.09	7.14	9.91	12.03	368.76

* MONTHLY QQ (10**6 M3) *

Olur Project

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	37.50	33.70	32.01	58.92	108.86	122.95	117.89	128.06	103.68	53.57	32.14	31.10	860.38
2	1941	32.14	38.88	34.82	72.32	111.28	120.98	116.12	126.61	117.13	72.32	34.82	30.97	908.38
3	1942	32.01	31.10	32.01	32.14	29.03	32.14	117.71	120.53	85.54	45.53	32.01	30.97	620.72
4	1943	32.01	30.97	32.14	32.14	80.18	121.37	116.64	126.57	117.52	66.96	34.82	30.97	822.29
5	1944	32.01	31.10	32.01	32.14	28.91	45.53	116.64	125.88	119.23	53.57	32.01	30.97	680.01
6	1945	32.01	30.97	32.14	32.14	29.03	117.85	117.03	124.31	120.92	91.07	61.60	38.88	827.94
7	1946	53.57	44.06	34.82	34.82	31.45	56.25	103.68	99.10	80.35	45.53	32.14	30.97	646.75
8	1947	32.14	31.10	32.01	32.14	47.61	126.89	113.59	124.14	121.20	58.92	34.82	33.70	788.26
9	1948	32.01	31.10	32.14	32.14	28.91	40.18	121.82	125.88	111.46	32.01	32.14	31.10	650.89
10	1949	32.01	31.10	32.01	32.14	28.91	77.67	121.82	125.95	114.05	50.89	32.01	30.97	709.53
11	1950	32.01	30.97	32.01	32.14	29.03	91.07	123.84	125.88	116.55	56.25	32.14	30.97	732.87
12	1951	58.92	41.47	34.82	61.60	115.26	122.08	116.64	125.88	119.23	77.67	40.18	31.10	944.86
13	1952	32.14	30.97	32.01	32.14	38.71	126.14	118.96	127.55	116.64	69.64	40.18	31.10	796.18
14	1953	32.01	31.10	32.14	32.14	84.67	125.88	112.56	125.35	119.15	121.05	56.25	41.47	913.76
15	1954	32.14	33.70	32.01	32.14	29.03	32.14	88.13	120.98	80.35	32.01	32.01	30.97	575.61
16	1955	32.01	30.97	32.01	32.01	29.94	32.01	30.97	77.67	115.83	61.60	32.01	30.97	538.00
17	1956	32.01	31.10	32.01	32.14	29.03	50.89	116.28	123.21	114.05	56.25	32.01	30.97	679.94
18	1957	32.01	31.10	32.01	32.01	28.91	32.01	31.10	116.46	116.64	48.21	32.01	30.97	563.44
19	1958	32.01	30.97	32.01	32.01	29.03	32.14	116.64	123.10	115.76	45.53	37.50	30.97	657.67
20	1959	40.18	38.88	32.01	32.01	29.94	109.81	121.82	121.57	111.46	72.32	42.85	30.86	783.71
21	1960	31.07	30.84	32.01	32.01	28.91	31.95	30.51	31.20	29.68	30.28	30.43	29.88	368.76
22	1961	31.50	30.89	32.01	32.01	28.91	31.98	30.97	32.01	30.97	32.01	32.01	30.97	376.23
23	1962	32.01	30.97	32.14	32.01	28.91	52.46	116.67	127.46	117.13	120.53	83.03	31.10	804.41
24	1963	40.18	38.88	32.14	34.82	112.75	119.89	114.23	126.47	118.55	53.57	32.01	30.97	854.45
25	1964	32.01	30.97	32.01	32.01	28.91	32.01	33.70	117.85	95.90	40.18	32.01	30.97	538.52
26	1965	32.01	30.97	32.14	32.01	29.03	32.14	116.64	120.53	59.62	32.01	32.01	30.97	580.07
27	1966	32.01	30.97	32.01	32.01	28.91	32.01	30.97	93.74	82.94	93.74	40.18	30.97	560.47
28	1967	32.01	31.10	32.01	32.14	100.22	120.16	122.52	121.03	117.85	66.96	32.01	30.97	838.99
29	1968	32.01	30.97	32.14	32.14	60.48	126.22	120.14	127.24	62.21	32.01	32.01	30.97	718.53
30	1969	32.01	30.97	32.01	32.01	28.91	32.01	33.70	69.64	30.97	32.01	32.01	30.97	417.21
31	1970	32.01	30.97	32.01	32.01	28.91	32.01	30.97	42.85	80.35	32.01	32.01	30.97	437.08
32	1971	32.01	30.97	32.01	32.01	29.94	32.01	30.97	101.78	111.46	37.50	32.01	30.97	533.63
33	1972	32.01	30.97	32.01	32.01	28.91	32.01	38.88	119.87	115.46	32.14	32.01	30.97	557.23
34	1973	32.01	30.97	32.01	32.01	28.91	32.01	30.97	56.25	44.06	32.01	32.01	30.97	414.18
35	1974	32.01	30.97	32.01	32.01	28.91	32.01	30.97	32.01	30.97	32.01	32.01	30.97	376.85
36	1975	32.01	30.97	32.01	32.01	29.94	32.01	75.17	128.06	115.68	53.57	32.01	30.97	624.40
37	1976	32.01	30.97	32.01	32.01	28.91	53.57	119.23	122.11	72.58	32.01	32.01	30.97	618.38
38	1977	32.01	30.97	32.01	32.01	28.91	77.67	119.22	125.88	90.72	32.01	32.01	30.97	664.39
39	1978	32.01	30.97	32.01	32.01	28.91	32.01	30.97	109.81	115.45	45.53	32.01	30.97	552.67
40	1979	32.01	30.97	32.01	32.01	29.94	88.39	120.74	120.49	30.97	32.01	32.01	30.97	612.51
41	1980	32.01	30.97	32.01	32.01	28.91	32.01	30.97	66.96	116.64	32.01	32.01	30.97	497.47
42	1981	32.01	30.97	32.01	32.01	28.91	32.01	30.97	105.75	25.09	7.14	20.99	29.66	407.52
43	1982	31.35	30.85	32.01	32.01	28.91	31.96	30.61	31.39	29.91	30.59	30.76	30.14	370.49
44	1983	31.60	30.90	32.01	32.01	29.94	31.98	54.43	125.88	67.39	32.01	32.01	30.97	531.13
45	1984	32.01	30.97	32.01	32.01	28.91	32.01	75.17	114.61	30.97	32.01	32.01	30.97	503.65
46	1985	32.01	30.97	32.01	32.01	28.91	32.01	51.84	116.52	111.46	32.01	32.01	30.97	562.71
47	1986	32.01	30.97	32.01	32.01	55.64	119.70	116.67	127.36	77.76	32.01	32.01	30.97	719.11
48	1987	32.01	30.97	32.01	32.01	35.08	119.97	116.64	125.78	119.78	101.78	32.01	30.97	809.02
49	1988	32.01	30.97	32.01	32.01	28.91	32.01	98.50	42.85	30.97	32.01	32.01	30.97	455.22
50	1989	32.01	30.97	32.01	32.01	28.91	32.01	101.09	125.88	61.26	26.65	9.91	12.03	524.74
	TOTAL	1668.68	1602.21	1609.85	1704.66	2058.88	3166.09	4224.95	5323.96	4441.48	2463.15	1719.08	1548.18	31531.14
	AVE	33.37	32.04	32.20	34.09	41.18	63.32	84.50	106.48	88.83	49.26	34.38	30.96	630.62
	MAX	58.92	44.06	34.82	72.32	115.26	126.89	123.84	128.06	121.20	121.05	83.03	41.47	944.86
	MIN	31.07	30.84	32.01	32.01	28.91	31.95	30.51	31.20	25.09	7.14	9.91	12.03	368.76

* MONTHLY OUT (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.07	0.0	0.0	0.0	0.0	7.07
2	1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.28	75.73	0.0	0.0	0.0	142.00
3	1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.76	0.0	0.0	0.0	13.76
5	1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.69	0.0	0.0	0.0	36.69
7	1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.09	0.0	0.0	0.0	12.09
9	1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.13
11	1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.02
13	1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.36	30.58	0.0	0.0	92.94
15	1954	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	0.0	0.0	0.0	0.53
16	1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.13
18	1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.03
20	1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.49	110.28	1.58	0.0	0.0	128.35
24	1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.67	0.0	0.0	0.0	24.67
25	1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	1967	0.0	0.0	0.0	0.0	0.0	0.0	5.87	247.42	79.41	0.0	0.0	0.0	332.69
29	1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.50
30	1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.04
31	1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.40
34	1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.76
35	1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.00
43	1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.20	0.13	0.0	0.0	0.0	34.33
48	1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.02	0.0	0.0	0.0	19.02
49	1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	0.0	0.00
	TOTAL	0.18	0.0	0.0	0.0	0.0	0.0	5.87	371.99	435.36	32.75	0.0	0.0	846.14
	AVE	0.00	0.0	0.0	0.0	0.0	0.0	0.12	7.44	8.71	0.65	0.0	0.0	16.92
	MAX	0.18	0.0	0.0	0.0	0.0	0.0	5.87	247.42	110.28	30.58	0.0	0.0	332.69
	MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

タイトル : OLTU RIVER AYVALI PROJECT

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ｻｲﾀﾞｲ ｽｲｲ        (HMAX)  :   930.00
ｻｲﾃｲ  ｽｲｲ        (HMIN)  :   908.00
ｷｼﾞｭﾝ ｼｭﾂｽｲｲ     (HNWL)  :   922.67
ｷｼﾞｭﾝ ﾎｳｽｲｲ      (HTWL)  :   700.00
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ  (QMAXO) :    67.00
ｻｲｼｮｳ ﾎｳﾘｭｳﾘｮｳ  (QMINO) :    16.62

ｻｲﾀﾞｲ ﾁｮｽｲﾘｮｳ   (VMAXO) :     0.15000E+09
ｻｲﾃｲ  ﾁｮｽｲﾘｮｳ   (VMINO) :     0.0
ｻｲﾀﾞｲ ﾁｮｽｲﾘｮｳ   (SMAXO) :  1736.11
ｻｲﾃｲ  ﾁｮｽｲﾘｮｳ   (SMINO) :     0.0

ｽﾀｰﾄ ｶｲｼﾝ       * KST   =    1
ｷｾﾂ ｸﾌﾞﾝｽｳ      * KMAX  =  600
ﾁｮｽｲ ｸﾌﾞﾝﾘｮｳ   * DELTS =  50.00
ﾎｳﾘｭｳ ｸﾌﾞﾝﾘｮｳ * DELTQ =   2.00

ﾊﾂﾃﾞﾝｷ ﾀﾞｲｽｳ   * NP    =    1
N ﾀﾞﾝｶｲ ｳﾝﾃﾝ   * NDAN  =    1
ﾋﾟｰｸ ｼﾞｶﾝ       * TPEAK =   6.00
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ* QMAX  =  67.00
ｻｲﾃｲ  ﾎｳﾘｭｳﾘｮｳ* QMIN  =  16.62
ﾋﾟｰｸ ｼﾞｶﾝ       * TPEAK =   0.0
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ* QMAX  =   0.0
ｻｲﾃｲ  ﾎｳﾘｭｳﾘｮｳ* QMIN  =   0.0

ﾕｳｺｳ ｽｲｲ ﾛｽ     * WZN   = 0.013
                 * WZD   = 5.200
                 * WZL   =9100.0
                 * TZN   = 0.012
                 * TZD   = 4.100
                 * TZL   = 380.0
                 * HLOSS =   11.00

ｺｳﾘﾂ ｹｲｽｳ        * MET   =  2
                 * MEG   =  2
                 * MEH   =  3

ｽｲｼｬ ｺｳﾘﾂ ｹｲｽｳ
Q/QMAX  ( EATERT )  0.0      1.00000  1.00000  1.00000

ﾊﾂﾃﾞﾝｷ ｺｳﾘﾂ ｹｲｽｳ
PT/PTMAX (EATERG )  0.0      1.00000  1.00000  1.00000

ﾍﾝﾗｸｻ ｺｳﾘﾂ ｹｲｽｳ
HE/HES  ( EATERH )  0.93069  0.88750  1.00000  0.89950  1.03462  0.89950

ｽｲｲ ｸﾌﾞﾝ ｽｳ    * RANK  =  3
  1 -9999.00 -9999.00     0.7427475D+00 -0.1286080D+04  0.5553920D+06
  2   920.00   859.95     -0.2698631D-03  0.8811525D+02 -0.7997766D+05
  3  9999.00  9999.00      0.0            0.0            0.0

ｴﾘｱ ｸﾌﾞﾝ ｽｳ    * RARE  =  8
  1 -9999.00 -9999.00     -0.1599999D+00  0.2975999D+03 -0.1362400D+06
  2   830.00   544.00      0.6000000D+00 -0.9647000D+03  0.3879050D+06
  3   850.00  1410.00      0.1700000D+00 -0.2460000D+03  0.8768500D+05
  4   870.00  2338.00      0.1740000D+01 -0.2987100D+04  0.1284109D+07
  5   890.00  3844.00      0.8850000D+00 -0.1497050D+04  0.6352100D+06
  6   910.00  5763.00      0.1230000D+01 -0.2140000D+04  0.9346000D+06
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  7   930.00  8227.00     -0.15450000+01  0.30834500+04 -0.15231110+07
  8  9999.00  9999.00      0.0             0.0           0.0

ｼｰﾖｳﾊｿﾘｮｳ      * EM     = 66.80 13.60  0.0   0.0   0.0   7.60 60.10100.90138.60176.00171.80131.90
```

タイトル : OLTU RIVER AYVALI リュウニュウリョウ データ

NO.	ネン	10ガツ	11ガツ	12ガツ	1ガツ	2ガツ	3ガツ	4ガツ	5ガツ	6ガツ	7ガツ	8ガツ	9ガツ
1	1940	3.45	3.31	2.76	2.48	2.66	3.88	14.32	28.51	10.08	5.03	2.82	2.04
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
2	1941	3.12	5.24	3.18	2.76	3.01	4.46	11.23	36.72	18.74	6.76	3.38	2.77
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
3	1942	3.26	3.23	2.89	2.48	2.39	2.61	6.81	17.43	8.38	4.34	2.49	1.64
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
4	1943	2.20	2.62	2.29	2.12	2.25	4.26	10.20	30.38	12.80	6.35	3.39	2.75
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
5	1944	2.90	3.13	2.39	2.27	2.10	2.40	5.41	17.02	16.62	5.24	2.56	1.91
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
6	1945	2.22	2.43	2.19	2.09	2.07	2.54	6.74	21.42	24.49	8.46	5.94	3.85
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
7	1946	5.12	4.28	3.39	3.18	3.10	5.35	9.95	9.52	7.89	4.41	1.98	2.16
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
8	1947	2.37	3.58	2.60	2.28	2.16	2.17	7.71	20.83	22.74	5.65	3.30	3.45
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
9	1948	2.98	2.81	2.53	2.14	2.05	2.51	4.61	22.47	10.86	3.14	2.13	2.03
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
10	1949	2.52	2.31	2.06	1.91	2.01	3.21	10.14	22.29	12.62	4.97	2.61	1.97
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
11	1950	3.60	3.06	2.63	2.49	2.32	3.64	8.62	18.95	14.80	5.41	2.87	3.36
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
12	1951	5.59	4.11	3.34	2.96	3.16	3.38	14.13	23.11	16.32	7.46	3.82	3.02
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
13	1952	2.77	2.83	2.82	2.58	2.60	2.91	8.14	22.00	16.01	6.64	3.85	2.78
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
14	1953	2.64	2.82	2.55	2.42	2.50	3.56	8.14	24.93	23.28	14.32	5.29	3.73
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
15	1954	3.59	3.20	2.89	2.46	2.26	2.68	5.65	15.79	8.02	1.81	0.94	0.95
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
16	1955	1.68	1.82	2.05	1.86	2.33	2.75	6.86	12.45	13.47	6.00	3.13	2.64
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
17	1956	3.03	2.62	2.52	2.33	2.53	4.11	9.35	15.49	12.26	5.41	2.44	2.43
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
18	1957	2.83	3.18	2.69	2.45	2.34	2.86	5.47	11.39	11.53	4.66	2.42	2.48
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
19	1958	2.55	2.40	2.23	2.26	2.01	2.85	8.07	18.66	12.31	4.54	3.59	3.11
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
20	1959	3.68	3.82	3.00	2.76	2.96	3.62	11.05	19.19	10.80	6.82	4.30	3.16
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
21	1960	2.03	1.87	1.83	1.55	1.47	1.57	3.43	7.23	3.88	0.89	0.44	0.30
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
22	1961	0.89	1.17	1.40	1.15	1.18	2.35	6.38	12.45	6.74	3.04	1.28	1.04
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
23	1962	1.03	1.26	1.11	1.26	1.20	1.59	12.74	30.73	22.07	11.57	7.76	2.73
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
24	1963	4.31	3.82	2.64	2.06	1.81	2.92	12.26	25.28	18.13	5.07	1.95	1.79
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
25	1964	1.85	1.81	1.80	1.38	1.34	3.54	10.02	13.21	8.56	4.57	2.31	1.67
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
26	1965	3.17	2.30	2.11	2.15	2.19	2.61	10.20	18.25	5.84	1.96	1.18	1.49
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
27	1966	1.88	1.73	1.46	1.36	1.14	1.51	4.06	21.12	8.20	8.81	4.00	2.30
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
28	1967	2.48	2.48	2.35	2.05	1.91	3.72	31.70	34.49	19.16	6.24	3.10	2.58
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
29	1968	2.71	3.11	2.22	1.67	1.53	3.18	13.77	25.87	6.08	1.84	1.77	1.67
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)

30	1969	2.82	2.09	2.07	1.70	1.59	2.33	10.86	8.64	2.97	2.27	1.15	1.41
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
31	1970	1.64	1.49	1.15	1.12	0.90	1.87	5.12	16.26	7.84	1.42	3.48	1.06
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
32	1971	1.56	1.72	1.65	1.39	1.53	1.92	10.44	13.91	10.86	3.65	1.66	2.43
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
33	1972	2.61	2.48	1.96	1.87	2.22	2.37	7.23	14.62	10.80	3.69	1.06	1.38
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
34	1973	2.35	2.27	1.53	1.20	1.21	2.12	4.05	14.97	4.73	1.31	1.21	2.44
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
35	1974	1.20	1.30	1.56	1.46	1.16	1.76	6.86	8.11	5.14	1.84	0.81	1.22
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
36	1975	1.81	1.74	0.96	1.14	1.16	2.86	10.26	24.35	12.56	5.24	2.25	2.24
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
37	1976	2.56	2.41	2.24	1.75	2.02	2.43	7.08	13.87	5.37	2.14	1.33	1.78
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
38	1977	1.99	1.91	1.68	1.67	2.14	2.94	7.25	17.82	6.51	1.65	1.11	1.32
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
39	1978	1.65	1.79	1.71	1.65	1.87	2.14	7.02	10.96	8.32	3.55	1.31	1.28
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
40	1979	2.49	3.40	2.46	2.09	2.01	2.96	12.12	10.52	2.18	1.01	1.35	1.26
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
41	1980	1.57	1.56	1.48	1.41	1.47	1.73	4.82	8.93	12.35	1.90	1.41	1.40
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
42	1981	1.59	1.88	1.31	2.17	2.31	2.31	16.20	28.75	12.58	3.19	0.88	1.81
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
43	1982	1.72	1.43	1.12	1.27	1.90	2.35	4.82	3.25	3.70	0.29	0.29	2.56
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
44	1983	1.72	2.72	1.85	1.67	1.56	2.27	8.68	16.88	5.09	2.36	2.74	2.08
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
45	1984	1.53	1.97	1.31	2.84	2.27	2.84	6.94	0.75	0.85	1.35	0.88	1.47
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
46	1985	0.75	2.04	1.38	1.87	2.56	2.09	7.33	10.07	6.56	2.05	1.96	0.35
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
47	1986	0.71	2.57	1.68	2.87	2.40	3.14	9.07	25.01	9.14	5.68	0.19	1.62
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
48	1987	1.75	1.99	1.63	1.55	1.81	2.40	9.10	15.88	14.53	6.99	2.36	2.32
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
49	1988	2.80	2.30	1.92	1.65	1.56	3.14	9.24	3.17	1.19	0.81	0.76	1.06
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
50	1989	1.96	1.91	1.90	1.37	1.42	2.84	10.50	15.34	4.70	2.26	1.19	1.34
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)

COEFFW= 0.2406213E-02 COEFFT= 0.3041271E-03 HLOSS= 0.1100000E+02

HEQMAX= 0.2116699E+03 PTMAX = 0.1250147E+06 PMAX= 0.1250000E+03

SHT = 0.2226699E+03 SHL = 0.1100000E+02 SHE = 0.2116699E+03 SETG = 0.8995000E+00 PINST= 0.1250147E+03

*** DYNAMIC PROGRAMING OF RESERVOIR (INPUT DATA) ***

CASE * OLTU RIVER FEASIBILITY STUDY

スタート キセツ * KST = 1
キセツ クブンスウ * KMAX = 600
テヨスイ クブンスウ * IMAX = 37
テヨスイ クブンリヨウ * DELTS = 50.0 (TD)
ホウリュウ クブンスウ * LMAX = 27
ホウリュウ クブンリヨウ * DELTQ = 2.0 (TD)
サイテイ ホウリュウリヨウ * QMINO = 16.62 (TD)

テヨスイ モクヒヨウ スイイ * HLAST = 930.00 (M) * SLAST = 1736.1 (TD)
スタート スイイ * HSTAT = 930.00 (M) * SSTRT = 1736.1 (TD)

テヨスイ クブン & スイイ * IMAX = 37 (TD/M)

1	0.0(908.0)	2	50.0(908.8)	3	100.0(909.6)	4	150.0(910.3)	5	200.0(911.1)					
6	250.0(911.8)	7	300.0(912.5)	8	350.0(913.3)	9	400.0(914.0)	10	450.0(914.6)					
11	500.0(915.3)	12	550.0(916.0)	13	600.0(916.7)	14	650.0(917.3)	15	700.0(918.0)					
16	750.0(918.6)	17	800.0(919.3)	18	850.0(919.9)	19	900.0(920.5)	20	950.0(921.0)					
21	1000.0(921.6)	22	1050.0(922.2)	23	1100.0(922.7)	24	1150.0(923.3)	25	1200.0(923.9)					
26	1250.0(924.5)	27	1300.0(925.0)	28	1350.0(925.6)	29	1400.0(926.2)	30	1450.0(926.7)					
31	1500.0(927.3)	32	1550.0(927.9)	33	1600.0(928.4)	34	1650.0(929.0)	35	1700.0(929.6)					
36	1736.1(930.0)	37	1736.1(930.0)											

ホウリュウ クブン * LMAX = 27 (TD)

1	16.6	2	18.0	3	20.0	4	22.0	5	24.0	6	26.0	7	28.0	8	30.0	9	32.0	10	34.0
11	36.0	12	38.0	13	40.0	14	42.0	15	44.0	16	46.0	17	48.0	18	50.0	19	52.0	20	54.0
21	56.0	22	58.0	23	60.0	24	62.0	25	64.0	26	66.0	27	67.0						

*** OPTIMAL SCHEDULE ***

Ayvali Project

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
1	1940	10	31	929.7	1712.8	541.1(17.45)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.87
2		11	30	928.5	1600.9	489.4(16.31)	600.0(20.00)	0.0	125.00	26.87	7.2	0.897	67.00	67.00	11.00	929.10
3		12	31	927.3	1499.0	456.1(14.71)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.88
4		1	31	929.6	1699.8	758.7(24.48)	558.0(18.00)	0.0	125.00	24.99	6.4	0.898	67.00	67.00	11.00	928.44
5		2	28	929.5	1690.2	1334.4(47.66)	1344.0(48.00)	0.0	125.00	62.14	17.8	0.899	64.89	64.89	11.00	929.53
6		3	31	926.6	1434.8	1543.4(49.79)	1798.0(58.00)	0.0	125.00	82.55	21.3	0.899	65.34	65.34	11.00	928.02
7		4	30	925.1	1303.4	1794.0(59.80)	1920.0(64.00)	0.0	125.00	87.26	23.3	0.899	66.01	66.01	11.00	925.81
8		5	31	930.0	1736.1	2447.9(78.96)	2001.9(64.58)	4.5	125.00	91.71	23.7	0.899	65.49	65.49	11.00	927.53
9		6	30	925.1	1305.2	1502.3(50.08)	1920.0(64.00)	0.0	125.00	85.97	22.9	0.896	67.00	67.00	11.00	927.54
10		7	31	927.4	1507.9	776.0(25.03)	558.0(18.00)	0.0	125.00	24.99	6.4	0.894	67.00	67.00	11.00	926.24
11		8	31	926.1	1393.8	459.5(14.82)	558.0(18.00)	0.0	125.00	24.99	6.4	0.895	67.00	67.00	11.00	926.74
12		9	30	924.6	1263.4	421.3(14.04)	540.0(18.00)	0.0	125.00	24.18	6.4	0.894	67.00	67.00	11.00	925.35
						1043.7(34.43)	1076.2(35.55)	0.4	125.00	48.80		0.897	2022.	2022.	11.00	927.67
13	1941	10	31	923.5	1168.4	468.8(15.12)	558.0(18.00)	0.0	125.00	24.99	6.4	0.894	67.00	67.00	11.00	924.06
14		11	30	924.3	1234.3	607.1(20.24)	540.0(18.00)	0.0	125.00	24.18	6.4	0.893	67.00	67.00	11.00	923.90
15		12	31	921.5	992.1	501.7(16.18)	744.0(24.00)	0.0	125.00	33.31	8.6	0.892	67.00	67.00	11.00	922.89
16		1	31	924.3	1232.5	922.4(29.76)	682.0(22.00)	0.0	125.00	30.54	7.9	0.895	67.00	67.00	11.00	922.88
17		2	28	918.4	734.9	1372.4(49.01)	1869.9(66.78)	0.0	123.69	83.11	24.0	0.898	66.79	66.79	11.00	921.34
18		3	31	911.6	235.2	1538.5(49.63)	2037.6(65.73)	0.0	117.47	87.33	24.0	0.893	65.78	65.78	11.00	915.01
19		4	30	908.0	0.0	1680.8(56.03)	1911.9(63.73)	0.0	112.45	79.47	23.6	0.889	64.93	64.93	11.00	909.80
20		5	31	925.4	1329.8	3370.7(108.73)	2034.4(65.63)	0.0	116.79	86.84	24.0	0.893	65.66	65.66	11.00	916.68
21		6	30	930.0	1736.1	2794.2(93.14)	2010.0(67.00)	365.8	125.00	90.00	24.0	0.895	67.00	67.00	11.00	927.68
22		7	31	929.7	1712.0	1046.6(33.76)	1054.0(34.00)	0.0	125.00	47.19	12.2	0.897	67.00	67.00	11.00	929.86
23		8	31	929.0	1645.5	507.9(16.38)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.34
24		9	30	927.7	1534.7	441.5(14.72)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	928.33
						1271.0(41.89)	1211.6(40.07)	30.5	122.53	53.01		0.894	2026.	2026.	11.00	922.65
25	1942	10	31	926.6	1442.2	471.6(15.21)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.17
26		11	30	925.7	1357.9	456.9(15.23)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	926.16
27		12	31	924.6	1259.8	459.9(14.84)	558.0(18.00)	0.0	125.00	24.99	6.4	0.895	67.00	67.00	11.00	925.12
28		1	31	923.3	1150.7	449.0(14.48)	558.0(18.00)	0.0	125.00	24.99	6.4	0.894	67.00	67.00	11.00	923.94
29		2	28	922.2	1049.6	402.9(14.39)	504.0(18.00)	0.0	125.00	22.57	6.4	0.895	67.00	67.00	11.00	922.74
30		3	31	921.4	986.6	452.8(14.61)	515.2(16.62)	0.0	119.28	22.32	6.0	0.895	66.08	66.08	11.00	921.80
31		4	30	924.2	1228.2	1566.6(52.22)	1320.0(44.00)	0.0	125.00	59.10	15.8	0.894	67.00	67.00	11.00	922.82
32		5	31	922.8	1108.9	1935.3(62.43)	2046.0(66.00)	0.0	125.00	91.61	23.6	0.892	67.00	67.00	11.00	923.52
33		6	30	929.3	1678.6	1241.4(41.38)	660.0(22.00)	0.0	125.00	29.55	7.9	0.894	67.00	67.00	11.00	926.09
34		7	31	929.6	1703.6	661.5(21.34)	620.0(20.00)	0.0	125.00	27.76	7.2	0.897	67.00	67.00	11.00	929.49
35		8	31	928.2	1576.9	447.5(14.44)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	928.91
36		9	30	926.5	1432.5	407.8(13.59)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	927.36
						746.1(24.51)	748.1(24.55)	0.0	124.52	33.43		0.895	2036.	2036.	11.00	925.43
37	1943	10	31	925.1	1307.2	438.6(14.15)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	925.82
38		11	30	923.9	1203.2	437.2(14.57)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	924.51
39		12	31	922.6	1088.1	442.9(14.29)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	923.26
40		1	31	921.7	1010.5	437.6(14.12)	515.2(16.62)	0.0	122.37	22.76	6.0	0.898	66.62	66.48	11.00	922.16
41		2	29	927.6	1521.7	993.2(34.25)	482.0(16.62)	0.0	125.00	21.78	6.0	0.899	66.39	66.39	11.00	924.64
42		3	31	928.1	1569.7	1536.6(49.57)	1488.0(48.00)	0.0	125.00	68.26	17.6	0.899	65.40	65.40	11.00	927.83
43		4	30	925.0	1300.0	1655.9(55.20)	1920.0(64.00)	0.0	125.00	87.56	23.3	0.899	65.78	65.78	11.00	926.56
44		5	31	929.7	1714.1	2406.9(77.64)	1984.0(64.00)	0.0	125.00	90.83	23.4	0.899	65.53	65.53	11.00	927.39
45		6	30	929.4	1684.3	1903.4(63.45)	1920.0(64.00)	0.0	125.00	85.97	22.9	0.898	67.00	67.00	11.00	929.58
46		7	31	929.7	1709.6	971.9(31.35)	930.0(30.00)	0.0	125.00	41.64	10.7	0.897	67.00	67.00	11.00	929.55
47		8	31	929.4	1686.2	508.1(16.39)	515.2(16.62)	0.0	122.06	22.70	6.0	0.897	67.00	66.48	11.00	929.56
48		9	30	928.6	1616.2	441.0(14.70)	498.6(16.62)	0.0	122.19	21.99	6.0	0.897	67.00	66.48	11.00	929.03
						1014.4(33.31)	992.4(32.54)	0.0	124.30	44.80		0.898	2030.	2027.	11.00	926.66

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
49	1944	10	31	927.9	1555.3	460.5(14.85)	515.2(16.62)	0.0	122.73	22.83	6.0	0.898	67.00	66.48	11.00	928.28
50		11	30	927.4	1509.4	454.0(15.13)	498.6(16.62)	0.0	123.43	22.22	6.0	0.899	67.00	66.48	11.00	927.67
51		12	31	926.6	1438.8	444.6(14.34)	515.2(16.62)	0.0	124.28	23.12	6.0	0.899	66.87	66.48	11.00	927.01
52		1	31	925.8	1366.0	442.4(14.27)	515.2(16.62)	0.0	125.00	23.32	6.0	0.899	66.27	66.27	11.00	926.19
53		2	28	925.0	1294.1	393.5(14.05)	465.4(16.62)	0.0	125.00	21.10	6.0	0.899	66.15	66.15	11.00	925.37
54		3	31	925.9	1379.7	601.4(19.40)	515.2(16.62)	0.0	125.00	23.37	6.0	0.899	66.13	66.13	11.00	925.44
55		4	30	929.4	1686.8	1512.4(50.41)	1200.0(40.00)	0.0	125.00	55.01	14.7	0.899	65.44	65.44	11.00	927.68
56		5	31	929.3	1677.8	1984.5(64.02)	1984.0(64.00)	0.0	125.00	89.31	23.0	0.899	66.65	66.65	11.00	929.39
57		6	30	929.4	1683.2	1878.5(62.62)	1860.0(62.00)	0.0	125.00	83.28	22.2	0.897	67.00	67.00	11.00	929.37
58		7	31	929.6	1705.1	782.4(25.24)	744.0(24.00)	0.0	125.00	33.31	8.6	0.897	67.00	67.00	11.00	929.52
59		8	31	928.7	1623.3	449.7(14.51)	515.2(16.62)	0.0	122.46	22.78	6.0	0.898	67.00	66.48	11.00	929.18
60		9	30	927.6	1528.2	415.8(13.86)	498.6(16.62)	0.0	123.20	22.18	6.0	0.899	67.00	66.48	11.00	928.17
						818.3(26.89)	818.9(26.91)	0.0	124.26	36.82		0.899	2027.	2020.	11.00	927.77
61	1945	10	31	926.7	1446.1	439.2(14.17)	515.2(16.62)	0.0	124.18	23.10	6.0	0.899	66.92	66.48	11.00	927.16
62		11	30	925.9	1377.6	431.3(14.38)	498.6(16.62)	0.0	125.00	22.53	6.0	0.899	66.39	66.39	11.00	926.30
63		12	31	925.0	1302.2	439.8(14.19)	515.2(16.62)	0.0	125.00	23.38	6.0	0.899	66.12	66.12	11.00	925.48
64		1	31	924.2	1223.8	436.8(14.09)	515.2(16.62)	0.0	125.00	23.28	6.0	0.899	66.39	66.39	11.00	924.60
65		2	28	923.3	1152.3	393.9(14.07)	465.4(16.62)	0.0	124.67	20.95	6.0	0.899	66.65	66.48	11.00	923.74
66		3	31	927.8	1540.3	1442.6(46.54)	1054.0(34.00)	0.0	125.00	47.84	12.3	0.899	66.09	66.09	11.00	925.55
67		4	30	923.1	1129.5	1556.8(51.89)	1962.1(65.40)	0.0	125.00	89.01	23.7	0.899	66.13	66.13	11.00	925.42
68		5	31	923.3	1146.6	2102.6(67.83)	2077.0(67.00)	0.0	125.00	93.00	24.0	0.895	67.00	67.00	11.00	923.17
69		6	30	929.4	1683.8	2558.8(85.29)	2010.0(67.00)	0.0	125.00	90.00	24.0	0.894	67.00	67.00	11.00	926.34
70		7	31	924.4	1247.5	1316.3(42.46)	1736.0(56.00)	0.0	125.00	77.73	20.1	0.895	67.00	67.00	11.00	926.91
71		8	31	928.1	1571.8	897.1(28.94)	558.0(18.00)	0.0	125.00	24.99	6.4	0.895	67.00	67.00	11.00	926.27
72		9	30	927.6	1525.2	565.5(18.85)	600.0(20.00)	0.0	125.00	26.87	7.2	0.896	67.00	67.00	11.00	927.86
						1048.4(34.39)	1042.2(34.21)	0.0	124.90	46.89		0.898	2027.	2025.	11.00	925.73
73	1946	10	31	929.3	1677.8	778.7(25.12)	620.0(20.00)	0.0	125.00	27.76	7.2	0.897	67.00	67.00	11.00	928.46
74		11	30	929.8	1714.9	638.4(21.28)	600.0(20.00)	0.0	125.00	26.87	7.2	0.898	67.00	67.00	11.00	929.55
75		12	31	929.7	1707.7	508.1(16.39)	515.2(16.62)	0.0	124.21	23.10	6.0	0.899	66.90	66.48	11.00	929.72
76		1	31	929.5	1694.2	501.7(16.18)	515.2(16.62)	0.0	125.00	23.34	6.0	0.899	66.24	66.24	11.00	929.60
77		2	28	929.4	1679.8	450.9(16.10)	465.4(16.62)	0.0	125.00	21.26	6.1	0.899	65.66	65.66	11.00	929.44
78		3	31	929.5	1690.0	817.0(26.35)	806.0(26.00)	0.0	125.00	36.65	9.5	0.899	65.97	65.97	11.00	929.42
79		4	30	923.9	1203.0	1498.6(49.95)	1980.0(66.00)	0.0	125.00	88.66	23.6	0.897	67.00	67.00	11.00	926.69
80		5	31	922.6	1086.4	1442.0(46.52)	1550.0(50.00)	0.0	125.00	69.40	17.9	0.893	67.00	67.00	11.00	923.25
81		6	30	929.6	1701.7	1166.8(38.89)	540.0(18.00)	0.0	125.00	24.18	6.4	0.895	67.00	67.00	11.00	926.10
82		7	31	929.9	1728.6	663.6(21.41)	620.0(20.00)	0.0	125.00	27.76	7.2	0.898	67.00	67.00	11.00	929.76
83		8	31	928.8	1630.4	433.3(13.98)	515.2(16.62)	0.0	123.38	22.95	6.0	0.899	67.00	66.48	11.00	929.35
84		9	30	927.8	1542.9	423.4(14.11)	498.6(16.62)	0.0	124.36	22.38	6.0	0.899	66.82	66.48	11.00	928.29
						776.9(25.52)	768.8(25.26)	0.0	124.75	34.53		0.898	2029.	2026.	11.00	928.30
85	1947	10	31	926.9	1467.2	445.6(14.37)	515.2(16.62)	0.0	125.00	23.31	6.0	0.899	66.30	66.30	11.00	927.36
86		11	30	926.6	1434.8	467.4(15.58)	498.6(16.62)	0.0	125.00	22.67	6.0	0.899	65.99	65.99	11.00	926.75
87		12	31	925.8	1370.6	451.0(14.55)	515.2(16.62)	0.0	125.00	23.46	6.1	0.899	65.90	65.90	11.00	926.19
88		1	31	925.0	1298.1	442.7(14.28)	515.2(16.62)	0.0	125.00	23.37	6.0	0.899	66.13	66.13	11.00	925.41
89		2	29	926.5	1429.7	613.6(21.16)	482.0(16.62)	0.0	125.00	21.90	6.0	0.899	66.03	66.03	11.00	925.75
90		3	31	929.9	1724.9	1535.8(49.54)	1240.0(40.00)	0.0	125.00	56.98	14.7	0.899	65.29	65.29	11.00	928.19
91		4	30	926.9	1465.3	1546.1(51.54)	1800.0(60.00)	0.0	125.00	82.78	22.1	0.899	65.23	65.23	11.00	928.39
92		5	31	927.2	1492.7	2082.5(67.18)	2046.0(66.00)	0.0	125.00	91.61	23.6	0.897	67.00	67.00	11.00	927.06
93		6	30	929.5	1695.0	2224.8(74.16)	2010.0(67.00)	0.0	125.00	90.00	24.0	0.896	67.00	67.00	11.00	928.38
94		7	31	929.9	1729.5	857.1(27.65)	806.0(26.00)	0.0	125.00	36.09	9.3	0.897	67.00	67.00	11.00	929.73
95		8	31	929.6	1703.4	505.4(16.30)	515.2(16.62)	0.0	122.87	22.85	6.0	0.898	67.00	66.48	11.00	929.78
96		9	30	929.4	1685.9	493.6(16.45)	498.6(16.62)	0.0	123.87	22.30	6.0	0.899	67.00	66.48	11.00	929.53
						972.1(31.90)	953.5(31.28)	0.0	124.73	43.11		0.899	2023.	2020.	11.00	927.71

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)		QQ (M3/SD)		QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
97	1948	10	31	928.8	1627.1	462.7(	14.93)	515.2(	16.62)	0.0	124.80	23.21	6.0	0.899	66.59	66.48	11.00	929.09
98		11	30	928.1	1571.4	444.3(	14.81)	498.6(	16.62)	0.0	125.00	22.64	6.0	0.899	66.06	66.06	11.00	928.44
99		12	31	927.4	1506.6	450.4(	14.53)	515.2(	16.62)	0.0	125.00	23.62	6.1	0.899	65.43	65.43	11.00	927.75
100		1	31	926.5	1429.6	438.2(	14.14)	515.2(	16.62)	0.0	125.00	23.54	6.1	0.899	65.67	65.67	11.00	926.94
101		2	28	925.7	1356.3	392.1(	14.00)	465.4(	16.62)	0.0	125.00	21.18	6.1	0.899	65.93	65.93	11.00	926.08
102		3	31	926.0	1383.3	542.9(	17.51)	515.2(	16.62)	0.0	125.00	23.42	6.0	0.899	66.01	66.01	11.00	925.82
103		4	30	928.5	1606.3	1548.3(	51.61)	1320.0(	44.00)	0.0	125.00	60.39	16.1	0.899	65.57	65.57	11.00	927.25
104		5	31	930.0	1736.1	2153.5(	69.47)	2012.6(	64.92)	1.7	125.00	91.69	23.7	0.899	65.85	65.85	11.00	929.26
105		6	30	929.8	1718.8	1615.9(	53.86)	1620.0(	54.00)	0.0	125.00	72.54	19.3	0.897	67.00	67.00	11.00	929.90
106		7	31	929.1	1654.7	467.8(	15.09)	515.2(	16.62)	0.0	122.43	22.77	6.0	0.898	67.00	66.48	11.00	929.44
107		8	31	928.0	1561.5	438.1(	14.13)	515.2(	16.62)	0.0	123.06	22.89	6.0	0.898	67.00	66.48	11.00	928.54
108		9	30	927.0	1471.8	421.0(	14.03)	498.6(	16.62)	0.0	124.02	22.32	6.0	0.899	67.00	66.48	11.00	927.49
						781.3(	25.68)	792.2(	26.04)	0.1	124.53	35.85		0.899	2015.	2011.	11.00	928.00
109	1949	10	31	926.2	1399.0	448.5(	14.47)	515.2(	16.62)	0.0	125.00	23.26	6.0	0.899	66.46	66.46	11.00	926.57
110		11	30	925.3	1328.6	429.4(	14.31)	498.6(	16.62)	0.0	125.00	22.65	6.0	0.899	66.03	66.03	11.00	925.75
111		12	31	924.4	1247.7	434.3(	14.01)	515.2(	16.62)	0.0	125.00	23.31	6.0	0.899	66.30	66.30	11.00	924.89
112		1	31	923.5	1163.8	431.3(	13.91)	515.2(	16.62)	0.0	124.79	23.21	6.0	0.899	66.59	66.48	11.00	923.95
113		2	28	922.6	1089.4	391.0(	13.96)	465.4(	16.62)	0.0	124.26	20.88	6.0	0.899	66.87	66.48	11.00	923.04
114		3	31	928.1	1571.9	998.4(	32.21)	515.2(	16.62)	0.0	125.00	23.37	6.0	0.899	66.15	66.15	11.00	925.37
115		4	30	928.5	1600.5	1714.1(	57.14)	1680.0(	56.00)	0.0	125.00	77.23	20.6	0.899	65.26	65.26	11.00	928.29
116		5	31	929.5	1693.9	2148.8(	69.32)	2046.0(	66.00)	0.0	125.00	91.75	23.7	0.899	66.90	66.90	11.00	928.99
117		6	30	928.2	1579.4	1698.6(	56.62)	1800.0(	60.00)	0.0	125.00	80.60	21.5	0.897	67.00	67.00	11.00	928.86
118		7	31	929.4	1687.6	744.4(	24.01)	620.0(	20.00)	0.0	125.00	27.76	7.2	0.896	67.00	67.00	11.00	928.83
119		8	31	928.5	1607.5	451.4(	14.56)	515.2(	16.62)	0.0	122.14	22.72	6.0	0.897	67.00	66.48	11.00	928.99
120		9	30	927.5	1514.4	417.6(	13.92)	498.6(	16.62)	0.0	123.05	22.15	6.0	0.898	67.00	66.48	11.00	928.00
						859.0(	28.20)	848.7(	27.91)	0.0	124.52	38.24		0.899	2024.	2020.	11.00	926.79
121	1950	10	31	927.0	1475.0	481.9(	15.55)	515.2(	16.62)	0.0	123.96	23.06	6.0	0.899	67.00	66.48	11.00	927.24
122		11	30	926.5	1425.4	450.3(	15.01)	498.6(	16.62)	0.0	124.67	22.44	6.0	0.899	66.66	66.48	11.00	926.74
123		12	31	925.7	1362.1	451.9(	14.58)	515.2(	16.62)	0.0	125.00	23.37	6.0	0.899	66.15	66.15	11.00	926.09
124		1	31	925.0	1296.0	449.1(	14.49)	515.2(	16.62)	0.0	125.00	23.36	6.0	0.899	66.15	66.15	11.00	925.35
125		2	28	924.2	1231.6	400.9(	14.32)	465.4(	16.62)	0.0	125.00	21.03	6.0	0.899	66.38	66.38	11.00	924.61
126		3	31	929.8	1715.6	1166.7(	37.64)	682.0(	22.00)	0.0	125.00	31.17	8.0	0.899	65.65	65.65	11.00	927.00
127		4	30	929.8	1722.0	1692.1(	56.40)	1680.0(	56.00)	0.0	125.00	77.77	20.7	0.899	64.81	64.81	11.00	929.80
128		5	31	929.7	1710.9	2044.5(	65.95)	2046.0(	66.00)	0.0	125.00	91.77	23.7	0.899	66.89	66.89	11.00	929.78
129		6	30	927.1	1480.8	1793.0(	59.77)	2010.0(	67.00)	0.0	125.00	90.00	24.0	0.896	67.00	67.00	11.00	928.40
130		7	31	928.5	1601.7	818.8(	26.41)	682.0(	22.00)	0.0	125.00	30.54	7.9	0.896	67.00	67.00	11.00	927.78
131		8	31	927.2	1488.9	461.1(	14.87)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.82
132		9	30	926.1	1396.1	459.2(	15.31)	540.0(	18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	926.65
						889.1(	29.19)	892.3(	29.34)	0.0	124.89	40.30		0.898	2022.	2020.	11.00	927.27
133	1951	10	31	929.4	1687.5	855.3(	27.59)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.898	67.00	67.00	11.00	927.78
134		11	30	929.5	1689.5	603.3(	20.11)	600.0(	20.00)	0.0	125.00	26.87	7.2	0.899	67.00	67.00	11.00	929.46
135		12	31	929.4	1680.8	506.6(	16.34)	515.2(	16.62)	0.0	124.29	23.12	6.0	0.899	66.86	66.48	11.00	929.42
136		1	31	929.4	1679.6	804.8(	25.96)	806.0(	26.00)	0.0	125.00	36.42	9.4	0.899	66.39	66.39	11.00	929.36
137		2	29	929.7	1713.3	1425.7(	49.16)	1392.0(	48.00)	0.0	125.00	62.99	17.4	0.899	66.29	66.29	11.00	929.55
138		3	31	929.4	1680.2	1517.7(	48.96)	1550.0(	50.00)	0.0	125.00	69.69	18.0	0.899	66.73	66.73	11.00	929.55
139		4	30	926.6	1438.5	1774.0(	59.13)	2010.0(	67.00)	0.0	125.00	90.00	24.0	0.897	67.00	67.00	11.00	927.98
140		5	31	927.6	1526.0	2173.6(	70.11)	2077.0(	67.00)	0.0	125.00	93.00	24.0	0.895	67.00	67.00	11.00	927.10
141		6	30	926.2	1402.9	1869.5(	62.32)	1980.0(	66.00)	0.0	125.00	88.66	23.6	0.895	67.00	67.00	11.00	926.90
142		7	31	929.7	1711.9	1130.6(	36.47)	806.0(	26.00)	0.0	125.00	36.09	9.3	0.896	67.00	67.00	11.00	927.96
143		8	31	929.8	1721.0	583.4(	18.82)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.898	67.00	67.00	11.00	929.78
144		9	30	929.1	1660.6	450.7(	15.02)	498.6(	16.62)	0.0	123.50	22.23	6.0	0.899	67.00	66.48	11.00	929.48
						1141.2(	37.50)	1112.6(	36.60)	0.0	124.82	49.92		0.898	2039.	2037.	11.00	928.69

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
145	1952	10	31	928.4	1597.0	457.9(14.77)	515.2(16.62)	0.0	124.58	23.17	6.0	0.899	66.71	66.48	11.00	928.78
146		11	30	927.8	1540.6	443.5(14.78)	498.6(16.62)	0.0	125.00	22.64	6.0	0.899	66.07	66.07	11.00	928.09
147		12	31	927.1	1483.3	457.9(14.77)	515.2(16.62)	0.0	125.00	23.59	6.1	0.899	65.52	65.52	11.00	927.44
148		1	31	926.4	1420.1	452.0(14.58)	515.2(16.62)	0.0	125.00	23.52	6.1	0.899	65.72	65.72	11.00	926.75
149		2	28	927.0	1475.5	520.8(18.60)	465.4(16.62)	0.0	125.00	21.24	6.1	0.899	65.74	65.74	11.00	926.71
150		3	31	929.8	1722.9	1550.1(50.00)	1302.0(42.00)	0.0	125.00	59.89	15.5	0.899	65.22	65.22	11.00	928.44
151		4	30	928.4	1598.2	1621.0(54.03)	1740.0(58.00)	0.0	125.00	80.30	21.4	0.899	65.01	65.01	11.00	929.14
152		5	31	929.6	1701.2	2158.4(69.62)	2046.0(66.00)	0.0	125.00	91.80	23.7	0.899	66.86	66.86	11.00	929.01
153		6	30	927.4	1508.4	1830.3(61.01)	2010.0(67.00)	0.0	125.00	90.00	24.0	0.896	67.00	67.00	11.00	928.50
154		7	31	929.6	1698.3	1011.9(32.64)	806.0(26.00)	0.0	125.00	36.09	9.3	0.896	67.00	67.00	11.00	928.48
155		8	31	929.7	1708.5	584.4(18.85)	558.0(18.00)	0.0	125.00	24.99	6.4	0.898	67.00	67.00	11.00	929.63
156		9	30	928.9	1640.8	443.3(14.78)	498.6(16.62)	0.0	123.01	22.14	6.0	0.898	67.00	66.48	11.00	929.30
						961.0(31.54)	955.9(31.39)	0.0	124.80	43.28		0.899	2015.	2013.	11.00	928.35
157	1953	10	31	928.1	1571.6	452.3(14.59)	515.2(16.62)	0.0	123.70	23.01	6.0	0.899	67.00	66.48	11.00	928.52
158		11	30	927.5	1516.5	444.7(14.82)	498.6(16.62)	0.0	124.60	22.43	6.0	0.899	66.69	66.48	11.00	927.81
159		12	31	926.8	1452.4	451.2(14.55)	515.2(16.62)	0.0	125.00	23.38	6.0	0.899	66.12	66.12	11.00	927.13
160		1	31	926.0	1384.3	447.1(14.42)	515.2(16.62)	0.0	125.00	23.48	6.1	0.899	65.84	65.84	11.00	926.37
161		2	28	928.4	1594.3	1050.0(37.50)	840.0(30.00)	0.0	125.00	38.42	11.0	0.899	65.59	65.59	11.00	927.18
162		3	31	922.9	1115.1	1567.4(50.56)	2046.0(66.00)	0.0	125.00	92.91	24.0	0.899	66.06	66.06	11.00	925.65
163		4	30	917.5	663.4	1546.8(51.56)	1993.5(66.45)	0.0	121.68	87.58	24.0	0.897	66.47	66.47	11.00	920.21
164		5	31	919.8	846.1	2223.7(71.73)	2033.4(65.59)	0.0	116.62	86.71	24.0	0.893	65.64	65.64	11.00	918.67
165		6	30	928.7	1624.2	2799.1(93.30)	2010.0(67.00)	0.0	125.00	90.00	24.0	0.894	67.00	67.00	11.00	924.27
166		7	31	929.9	1729.8	2199.0(70.93)	2077.0(67.00)	0.0	125.00	93.00	24.0	0.897	67.00	67.00	11.00	929.32
167		8	31	929.8	1722.6	815.1(26.29)	806.0(26.00)	0.0	125.00	36.09	9.3	0.898	67.00	67.00	11.00	929.89
168		9	30	929.6	1702.1	592.0(19.73)	600.0(20.00)	0.0	125.00	26.87	7.2	0.898	67.00	67.00	11.00	929.73
						1215.7(40.00)	1204.2(39.54)	0.0	123.88	53.66		0.898	2021.	2019.	11.00	926.23
169	1954	10	31	929.2	1665.9	485.3(15.66)	515.2(16.62)	0.0	123.61	22.99	6.0	0.899	67.00	66.48	11.00	929.40
170		11	30	929.0	1652.1	486.1(16.20)	498.6(16.62)	0.0	124.82	22.47	6.0	0.899	66.58	66.48	11.00	929.12
171		12	31	928.4	1596.8	459.9(14.84)	515.2(16.62)	0.0	125.00	23.45	6.1	0.899	65.92	65.92	11.00	928.73
172		1	31	927.6	1529.7	448.2(14.46)	515.2(16.62)	0.0	125.00	23.66	6.1	0.899	65.34	65.34	11.00	928.03
173		2	28	926.9	1463.7	399.3(14.26)	465.4(16.62)	0.0	125.00	21.29	6.1	0.899	65.57	65.57	11.00	927.27
174		3	31	926.2	1402.9	455.1(14.68)	515.2(16.62)	0.0	125.00	23.49	6.1	0.899	65.79	65.79	11.00	926.54
175		4	30	929.4	1687.1	1189.6(39.65)	900.0(30.00)	0.0	125.00	41.28	11.0	0.899	65.40	65.40	11.00	927.82
176		5	31	929.0	1645.3	1889.7(60.96)	1922.0(62.00)	0.0	125.00	88.18	22.8	0.899	65.39	65.39	11.00	929.20
177		6	30	929.9	1726.8	1174.5(39.15)	1080.0(36.00)	0.0	125.00	48.36	12.9	0.898	67.00	67.00	11.00	929.43
178		7	31	928.7	1621.6	426.7(13.76)	515.2(16.62)	0.0	122.73	22.83	6.0	0.898	67.00	66.48	11.00	929.29
179		8	31	927.2	1490.1	399.7(12.89)	515.2(16.62)	0.0	123.76	23.02	6.0	0.899	67.00	66.48	11.00	927.94
180		9	30	925.8	1366.7	387.1(12.90)	498.6(16.62)	0.0	124.90	22.48	6.0	0.899	66.53	66.48	11.00	926.49
						683.4(22.45)	704.7(23.13)	0.0	124.57	31.96		0.899	2014.	2010.	11.00	928.27
181	1955	10	31	924.7	1268.2	422.6(13.63)	515.2(16.62)	0.0	125.00	23.35	6.0	0.899	66.19	66.19	11.00	925.22
182		11	30	923.7	1181.5	413.1(13.77)	498.6(16.62)	0.0	124.92	22.49	6.0	0.899	66.52	66.48	11.00	924.16
183		12	31	922.7	1100.3	434.0(14.00)	515.2(16.62)	0.0	124.36	23.13	6.0	0.899	66.82	66.48	11.00	923.21
184		1	31	921.7	1013.2	428.1(13.81)	515.2(16.62)	0.0	123.75	23.02	6.0	0.899	66.93	66.48	11.00	922.25
185		2	29	921.0	945.2	414.0(14.28)	482.0(16.62)	0.0	123.13	21.42	6.0	0.898	66.79	66.48	11.00	921.36
186		3	31	920.3	885.2	455.8(14.70)	515.2(16.62)	0.0	122.62	22.81	6.0	0.898	66.68	66.48	11.00	920.63
187		4	30	921.0	946.1	564.4(18.81)	498.6(16.62)	0.0	122.62	22.07	6.0	0.898	66.68	66.48	11.00	920.64
188		5	31	929.7	1707.6	1284.9(41.45)	515.2(16.62)	0.0	125.00	23.36	6.0	0.899	66.16	66.16	11.00	925.33
189		6	30	928.9	1639.1	1744.6(58.15)	1800.0(60.00)	0.0	125.00	81.13	21.6	0.899	66.56	66.56	11.00	929.28
190		7	31	929.8	1715.7	899.0(29.00)	806.0(26.00)	0.0	125.00	36.09	9.3	0.897	67.00	67.00	11.00	929.33
191		8	31	929.0	1651.8	467.6(15.08)	515.2(16.62)	0.0	122.58	22.80	6.0	0.898	67.00	66.48	11.00	929.40
192		9	30	928.2	1578.5	437.7(14.59)	498.6(16.62)	0.0	123.56	22.24	6.0	0.899	67.00	66.48	11.00	928.62
						663.8(21.77)	639.6(21.02)	0.0	123.96	28.66		0.899	2034.	2028.	11.00	924.95

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)		QQ (M3/SD)		QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
193	1956	10	31	927.6	1521.5	464.4(	14.98)	515.2(	16.62)	0.0	124.79	23.21	6.0	0.899	66.59	66.48	11.00	927.88
194		11	30	926.9	1460.4	438.7(	14.62)	498.6(	16.62)	0.0	125.00	22.71	6.1	0.899	65.85	65.85	11.00	927.20
195		12	31	926.1	1393.9	448.7(	14.47)	515.2(	16.62)	0.0	125.00	23.49	6.1	0.899	65.81	65.81	11.00	926.47
196		1	31	925.3	1322.9	444.2(	14.33)	515.2(	16.62)	0.0	125.00	23.40	6.0	0.899	66.05	66.05	11.00	925.69
197		2	28	924.6	1264.5	406.9(	14.53)	465.4(	16.62)	0.0	125.00	21.06	6.0	0.899	66.28	66.28	11.00	924.95
198		3	31	926.9	1464.9	716.3(	23.11)	515.2(	16.62)	0.0	125.00	23.41	6.0	0.899	66.03	66.03	11.00	925.76
199		4	30	929.7	1705.8	1626.3(	54.21)	1380.0(	46.00)	0.0	125.00	63.44	16.9	0.899	65.26	65.26	11.00	928.28
200		5	31	929.4	1680.6	1906.3(	61.49)	1922.0(	62.00)	0.0	125.00	86.68	22.4	0.899	66.52	66.52	11.00	929.51
201		6	30	928.0	1556.8	1689.2(	56.31)	1800.0(	60.00)	0.0	125.00	80.60	21.5	0.896	67.00	67.00	11.00	928.66
202		7	31	930.0	1736.1	818.8(	26.41)	620.0(	20.00)	3.3	125.00	27.76	7.2	0.897	67.00	67.00	11.00	928.98
203		8	31	929.0	1650.7	446.1(	14.39)	515.2(	16.62)	0.0	122.57	22.80	6.0	0.898	67.00	66.48	11.00	929.51
204		9	30	928.1	1571.2	431.4(	14.38)	498.6(	16.62)	0.0	123.38	22.21	6.0	0.899	67.00	66.48	11.00	928.57
						819.8(	26.94)	813.4(	26.75)	0.3	124.65	36.73		0.899	2019.	2016.	11.00	927.62
205	1957	10	31	927.4	1508.1	458.3(	14.78)	515.2(	16.62)	0.0	124.51	23.16	6.0	0.899	66.74	66.48	11.00	927.76
206		11	30	926.9	1463.7	455.5(	15.18)	498.6(	16.62)	0.0	125.00	22.63	6.0	0.899	66.10	66.10	11.00	927.14
207		12	31	926.2	1402.3	453.8(	14.64)	515.2(	16.62)	0.0	125.00	23.49	6.1	0.899	65.79	65.79	11.00	926.54
208		1	31	925.4	1333.3	446.3(	14.40)	515.2(	16.62)	0.0	125.00	23.41	6.0	0.899	66.02	66.02	11.00	925.80
209		2	28	924.7	1268.2	400.2(	14.29)	465.4(	16.62)	0.0	125.00	21.07	6.0	0.899	66.25	66.25	11.00	925.03
210		3	31	924.0	1211.3	459.0(	14.81)	515.2(	16.62)	0.0	125.00	23.25	6.0	0.899	66.47	66.47	11.00	924.33
211		4	30	924.2	1231.7	524.1(	17.47)	498.6(	16.62)	0.0	124.90	22.48	6.0	0.899	66.53	66.48	11.00	924.13
212		5	31	921.6	1002.1	1701.1(	54.87)	1922.0(	62.00)	0.0	125.00	86.06	22.2	0.896	67.00	67.00	11.00	922.93
213		6	30	928.5	1606.6	1695.8(	56.53)	1080.0(	36.00)	0.0	125.00	48.36	12.9	0.894	67.00	67.00	11.00	925.07
214		7	31	930.0	1734.6	702.3(	22.66)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.25
215		8	31	929.0	1648.4	445.3(	14.37)	515.2(	16.62)	0.0	122.80	22.84	6.0	0.898	67.00	66.48	11.00	929.49
216		9	30	928.1	1570.4	432.9(	14.43)	498.6(	16.62)	0.0	123.61	22.25	6.0	0.899	67.00	66.48	11.00	928.55
						681.2(	22.37)	674.8(	22.13)	0.0	124.65	30.33		0.898	2025.	2022.	11.00	926.33
217	1958	10	31	927.3	1498.6	449.6(	14.50)	515.2(	16.62)	0.0	124.56	23.17	6.0	0.899	66.72	66.48	11.00	927.70
218		11	30	926.5	1429.2	430.4(	14.35)	498.6(	16.62)	0.0	125.00	22.61	6.0	0.899	66.16	66.16	11.00	926.89
219		12	31	925.6	1353.4	439.4(	14.18)	515.2(	16.62)	0.0	125.00	23.44	6.0	0.899	65.93	65.93	11.00	926.06
220		1	31	924.8	1278.6	440.5(	14.21)	515.2(	16.62)	0.0	125.00	23.35	6.0	0.899	66.20	66.20	11.00	925.20
221		2	28	923.9	1205.5	392.2(	14.01)	465.4(	16.62)	0.0	125.00	21.01	6.0	0.899	66.46	66.46	11.00	924.36
222		3	31	923.3	1150.1	460.4(	14.85)	515.2(	16.62)	0.0	124.61	23.18	6.0	0.899	66.69	66.48	11.00	923.63
223		4	30	929.8	1717.2	1592.2(	53.07)	1020.0(	34.00)	0.0	125.00	46.51	12.4	0.899	65.79	65.79	11.00	926.55
224		5	31	929.9	1726.9	2003.2(	64.62)	1984.0(	64.00)	0.0	125.00	89.40	23.1	0.899	66.58	66.58	11.00	929.84
225		6	30	929.4	1683.0	1709.3(	56.98)	1740.0(	58.00)	0.0	125.00	77.91	20.8	0.897	67.00	67.00	11.00	929.64
226		7	31	929.8	1714.5	668.0(	21.55)	620.0(	20.00)	0.0	125.00	27.76	7.2	0.897	67.00	67.00	11.00	929.57
227		8	31	929.4	1685.4	545.2(	17.59)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.59
228		9	30	928.3	1584.8	451.8(	15.06)	540.0(	18.00)	0.0	125.00	24.18	6.4	0.898	67.00	67.00	11.00	928.85
						798.5(	26.25)	790.6(	25.98)	0.0	124.93	35.62		0.899	2024.	2023.	11.00	927.32
229	1959	10	31	928.9	1642.4	579.0(	18.68)	515.2(	16.62)	0.0	123.24	22.92	6.0	0.899	67.00	66.48	11.00	928.60
230		11	30	929.7	1707.1	564.6(	18.82)	498.6(	16.62)	0.0	124.38	22.39	6.0	0.899	66.81	66.48	11.00	929.30
231		12	31	929.1	1655.4	463.5(	14.95)	515.2(	16.62)	0.0	125.00	23.32	6.0	0.899	66.29	66.29	11.00	929.37
232		1	31	928.4	1596.3	456.1(	14.71)	515.2(	16.62)	0.0	125.00	23.37	6.0	0.899	66.15	66.15	11.00	928.74
233		2	29	927.8	1546.7	432.4(	14.91)	482.0(	16.62)	0.0	125.00	22.14	6.1	0.899	65.31	65.31	11.00	928.12
234		3	31	929.5	1689.2	1383.2(	44.62)	1240.0(	40.00)	0.0	125.00	57.10	14.7	0.899	65.15	65.15	11.00	928.65
235		4	30	929.4	1684.9	1741.4(	58.05)	1740.0(	58.00)	0.0	125.00	80.41	21.4	0.899	64.92	64.92	11.00	929.44
236		5	31	929.5	1692.4	2001.9(	64.58)	1984.8(	64.03)	0.0	125.00	91.08	23.5	0.899	65.38	65.38	11.00	929.46
237		6	30	924.8	1283.4	1614.1(	53.80)	2010.0(	67.00)	0.0	125.00	90.00	24.0	0.896	67.00	67.00	11.00	927.17
238		7	31	929.5	1696.6	1048.5(	33.82)	620.0(	20.00)	0.0	125.00	27.76	7.2	0.895	67.00	67.00	11.00	927.19
239		8	31	930.0	1736.1	629.4(	20.30)	573.7(	18.51)	0.0	125.00	25.69	6.6	0.897	67.00	67.00	11.00	929.77
240		9	30	930.0	1736.1	452.0(	15.07)	439.4(	14.65)	0.0	108.42	19.52	6.0	0.898	67.00	58.59	11.00	930.00
						947.2(	31.03)	927.8(	30.44)	0.0	123.42	42.14		0.898	2021.	1998.	11.00	928.82

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
241	1960	10	31	930.0	1736.1	422.7(13.63)	416.3(13.43)	0.0	100.62	18.72	6.0	0.899	66.74	53.72	11.00	930.00
242		11	30	930.0	1736.1	413.0(13.77)	411.7(13.72)	0.0	104.11	18.74	6.0	0.899	65.90	54.89	11.00	930.00
243		12	31	930.0	1736.1	427.0(13.78)	427.0(13.78)	0.0	105.99	19.71	6.0	0.899	64.98	55.10	11.00	930.00
244		1	31	929.3	1674.3	418.5(13.50)	480.3(15.49)	0.0	119.44	22.22	6.0	0.899	64.85	61.97	11.00	929.65
245		2	28	928.3	1584.6	375.7(13.42)	465.4(16.62)	0.0	125.00	21.44	6.1	0.899	65.11	65.11	11.00	928.78
246		3	31	927.2	1487.9	418.5(13.50)	514.5(16.60)	0.0	125.00	23.59	6.1	0.899	65.43	65.43	11.00	927.72
247		4	30	926.7	1445.3	456.0(15.20)	493.2(16.44)	0.0	125.00	22.53	6.0	0.899	65.67	65.67	11.00	926.92
248		5	31	927.5	1515.3	585.2(18.88)	506.2(16.33)	0.0	122.71	22.82	6.0	0.899	66.53	65.31	11.00	927.08
249		6	30	927.0	1476.5	459.8(15.33)	486.0(16.20)	0.0	118.02	21.24	6.0	0.896	67.00	64.80	11.00	927.26
250		7	31	925.5	1339.5	378.2(12.20)	499.3(16.11)	0.0	116.70	21.71	6.0	0.895	67.00	64.43	11.00	926.26
251		8	31	923.8	1190.0	365.7(11.80)	500.1(16.13)	0.0	117.67	21.89	6.0	0.896	67.00	64.53	11.00	924.62
252		9	30	922.1	1046.4	355.0(11.83)	487.4(16.25)	0.0	119.75	21.56	6.0	0.898	67.00	64.98	11.00	922.95
						422.9(13.90)	473.9(15.59)	0.0	116.67	21.35		0.898	2011.	1890.	11.00	927.60
253	1961	10	31	920.7	923.3	392.2(12.65)	509.7(16.44)	0.0	121.86	22.67	6.0	0.898	66.80	65.77	11.00	921.43
254		11	30	919.5	817.4	392.7(13.09)	497.5(16.58)	0.0	121.98	21.96	6.0	0.897	66.59	66.33	11.00	920.10
255		12	31	918.2	715.9	413.7(13.35)	515.2(16.62)	0.0	121.20	22.57	6.0	0.896	66.39	66.39	11.00	918.83
256		1	31	916.8	606.8	406.1(13.10)	515.2(16.62)	0.0	119.87	22.40	6.0	0.895	66.17	66.17	11.00	917.47
257		2	28	915.5	509.0	367.6(13.13)	465.4(16.62)	0.0	118.53	20.07	6.0	0.894	65.95	65.95	11.00	916.11
258		3	31	914.5	436.7	442.9(14.29)	514.7(16.60)	0.0	117.42	22.05	6.1	0.893	65.77	65.77	11.00	914.96
259		4	30	915.2	488.0	549.9(18.33)	494.3(16.48)	0.0	117.28	21.16	6.0	0.893	65.75	65.75	11.00	914.82
260		5	31	918.4	729.1	756.3(24.40)	507.9(16.38)	0.0	112.87	21.16	6.0	0.889	65.00	65.00	11.00	916.76
261		6	30	919.1	791.4	560.8(18.69)	487.9(16.26)	0.0	111.75	20.19	6.0	0.888	64.81	64.81	11.00	918.75
262		7	31	918.5	740.8	464.7(14.99)	501.4(16.18)	0.0	111.56	20.75	6.0	0.888	64.81	64.70	11.00	918.82
263		8	31	917.1	635.8	410.3(13.23)	501.9(16.19)	0.0	111.68	20.77	6.0	0.888	64.81	64.76	11.00	917.82
264		9	30	915.7	526.9	389.6(12.99)	488.6(16.29)	0.0	112.57	20.32	6.0	0.889	64.95	64.95	11.00	916.42
						462.2(15.19)	500.0(16.44)	0.0	116.55	21.34		0.893	1997.	1993.	11.00	917.69
265	1962	10	31	914.1	413.9	402.3(12.98)	510.3(16.46)	0.0	113.45	21.34	6.1	0.890	65.10	65.10	11.00	914.92
266		11	30	912.7	311.7	396.3(13.21)	497.6(16.59)	0.0	114.45	20.94	6.1	0.891	65.27	65.27	11.00	913.43
267		12	31	911.1	202.8	406.4(13.11)	515.2(16.62)	0.0	114.47	21.69	6.1	0.891	65.28	65.28	11.00	911.91
268		1	31	909.5	97.1	409.5(13.21)	515.2(16.62)	0.0	112.95	21.48	6.1	0.889	65.02	65.02	11.00	910.32
269		2	28	908.0	0.0	368.3(13.15)	465.4(16.62)	0.0	111.47	19.22	6.2	0.888	64.76	64.76	11.00	908.76
270		3	31	910.2	140.7	656.5(21.18)	515.2(16.62)	0.0	111.78	21.33	6.2	0.888	64.82	64.82	11.00	909.09
271		4	30	908.0	0.0	1732.5(57.75)	1869.2(62.31)	0.0	111.78	77.37	23.1	0.888	64.82	64.82	11.00	909.09
272		5	31	916.5	588.8	2618.8(84.48)	2023.5(65.27)	0.0	114.81	85.34	24.0	0.891	65.33	65.33	11.00	912.26
273		6	30	930.0	1736.1	3294.0(109.80)	2010.0(67.00)	126.4	125.00	90.00	24.0	0.897	67.00	67.00	11.00	923.26
274		7	31	928.8	1631.2	1771.9(57.16)	1860.0(60.00)	0.0	125.00	83.28	21.5	0.897	67.00	67.00	11.00	929.40
275		8	31	929.6	1700.7	1201.5(38.76)	1116.0(36.00)	0.0	125.00	49.97	12.9	0.897	67.00	67.00	11.00	929.20
276		9	30	928.3	1590.1	441.8(14.73)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	928.96
						1141.6(37.46)	1036.5(34.01)	10.5	117.10	44.68		0.892	1998.	1998.	11.00	916.72
277	1963	10	31	929.2	1667.4	598.7(19.31)	515.2(16.62)	0.0	123.23	22.92	6.0	0.899	67.00	66.48	11.00	928.77
278		11	30	930.0	1732.1	564.6(18.82)	498.6(16.62)	0.0	124.89	22.48	6.0	0.899	66.54	66.48	11.00	929.58
279		12	31	929.3	1670.6	453.7(14.64)	515.2(16.62)	0.0	125.00	23.46	6.1	0.899	65.88	65.88	11.00	929.60
280		1	31	928.7	1622.4	467.0(15.06)	515.2(16.62)	0.0	125.00	23.67	6.1	0.899	65.31	65.31	11.00	928.98
281		2	29	929.6	1703.8	1357.4(46.81)	1276.0(44.00)	0.0	125.00	58.89	16.2	0.899	65.00	65.00	11.00	929.17
282		3	31	928.8	1631.0	1478.0(47.68)	1550.0(50.00)	0.0	125.00	71.17	18.4	0.899	65.34	65.34	11.00	929.22
283		4	30	925.4	1335.3	1689.9(56.33)	1980.0(66.00)	0.0	125.00	89.64	23.9	0.899	66.26	66.26	11.00	927.11
284		5	31	927.3	1497.0	2247.6(72.50)	2077.0(67.00)	0.0	125.00	93.00	24.0	0.899	67.00	67.00	11.00	926.35
285		6	30	929.3	1676.0	2201.6(73.39)	2010.0(67.00)	0.0	125.00	90.00	24.0	0.897	67.00	67.00	11.00	928.29
286		7	31	929.5	1692.5	777.1(25.07)	744.0(24.00)	0.0	125.00	33.31	8.6	0.897	67.00	67.00	11.00	929.41
287		8	31	928.4	1592.1	431.0(13.90)	515.2(16.62)	0.0	122.11	22.71	6.0	0.897	67.00	66.48	11.00	928.93
288		9	30	927.2	1493.6	412.3(13.74)	498.6(16.62)	0.0	122.59	22.07	6.0	0.898	67.00	66.48	11.00	927.79
						1056.6(34.77)	1057.9(34.81)	0.0	124.40	47.78		0.899	2024.	2020.	11.00	928.60

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
289	1964	10	31	926.2	1400.1	427.7(13.80)	515.2(16.62)	0.0	123.27	22.93	6.0	0.899	67.00	66.48	11.00	926.70
290		11	30	925.2	1312.9	412.7(13.76)	498.6(16.62)	0.0	124.07	22.33	6.0	0.899	66.98	66.48	11.00	925.67
291		12	31	924.2	1224.1	426.4(13.75)	515.2(16.62)	0.0	124.72	23.20	6.0	0.899	66.63	66.48	11.00	924.66
292		1	31	923.0	1122.1	413.3(13.33)	515.2(16.62)	0.0	124.57	23.17	6.0	0.899	66.71	66.48	11.00	923.57
293		2	28	921.9	1028.9	372.1(13.29)	465.4(16.62)	0.0	123.90	20.81	6.0	0.899	66.97	66.48	11.00	922.46
294		3	31	921.5	993.3	480.3(15.49)	515.2(16.62)	0.0	123.38	22.95	6.0	0.899	66.85	66.48	11.00	921.72
295		4	30	923.7	1180.3	690.5(23.02)	498.6(16.62)	0.0	122.99	22.14	6.0	0.898	66.76	66.48	11.00	922.59
296		5	31	924.7	1271.2	1773.5(57.21)	1674.0(54.00)	0.0	125.00	74.96	19.3	0.894	67.00	67.00	11.00	924.17
297		6	30	929.9	1726.0	1366.8(45.56)	900.0(30.00)	0.0	125.00	40.30	10.7	0.895	67.00	67.00	11.00	927.29
298		7	31	929.5	1696.0	606.7(19.57)	620.0(20.00)	0.0	125.00	27.76	7.2	0.897	67.00	67.00	11.00	929.71
299		8	31	928.5	1606.5	442.0(14.26)	515.2(16.62)	0.0	122.24	22.74	6.0	0.897	67.00	66.48	11.00	929.03
300		9	30	927.4	1504.4	408.7(13.62)	498.6(16.62)	0.0	122.86	22.12	6.0	0.898	67.00	66.48	11.00	927.94
						651.7(21.39)	644.3(21.13)	0.0	123.92	28.78		0.898	2035.	2026.	11.00	925.46
301	1965	10	31	926.8	1451.7	468.6(15.12)	515.2(16.62)	0.0	123.47	22.97	6.0	0.899	67.00	66.48	11.00	927.05
302		11	30	925.9	1379.4	427.5(14.25)	498.6(16.62)	0.0	123.87	22.30	6.0	0.899	67.00	66.48	11.00	926.34
303		12	31	925.0	1301.4	437.3(14.11)	515.2(16.62)	0.0	124.35	23.13	6.0	0.899	66.83	66.48	11.00	925.48
304		1	31	924.1	1223.2	437.0(14.10)	515.2(16.62)	0.0	124.76	23.21	6.0	0.899	66.61	66.48	11.00	924.59
305		2	28	923.4	1155.2	397.3(14.19)	465.4(16.62)	0.0	124.68	20.95	6.0	0.899	66.65	66.48	11.00	923.76
306		3	31	922.6	1092.1	452.8(14.61)	515.2(16.62)	0.0	124.24	23.11	6.0	0.899	66.88	66.48	11.00	923.01
307		4	30	929.9	1723.0	1655.9(55.20)	1020.0(34.00)	0.0	125.00	45.98	12.3	0.899	66.55	66.55	11.00	926.25
308		5	31	928.4	1597.1	1960.7(63.25)	2077.0(67.00)	0.0	125.00	93.00	24.0	0.899	67.00	67.00	11.00	929.13
309		6	30	929.9	1729.4	865.1(28.84)	720.0(24.00)	0.0	125.00	32.24	8.6	0.897	67.00	67.00	11.00	929.17
310		7	31	928.8	1628.7	431.2(13.91)	515.2(16.62)	0.0	121.98	22.69	6.0	0.897	67.00	66.48	11.00	929.35
311		8	31	927.4	1504.5	407.0(13.13)	515.2(16.62)	0.0	121.76	22.65	6.0	0.897	67.00	66.48	11.00	928.07
312		9	30	926.1	1397.2	403.3(13.44)	498.6(16.62)	0.0	122.06	21.97	6.0	0.897	67.00	66.48	11.00	926.74
						695.3(22.84)	697.6(22.88)	0.0	123.85	31.18		0.899	2034.	2025.	11.00	926.58
313	1966	10	31	925.1	1304.7	428.7(13.83)	515.2(16.62)	0.0	122.81	22.84	6.0	0.898	67.00	66.48	11.00	925.60
314		11	30	924.1	1215.3	410.4(13.68)	498.6(16.62)	0.0	123.90	22.30	6.0	0.899	67.00	66.48	11.00	924.57
315		12	31	922.9	1115.7	415.6(13.41)	515.2(16.62)	0.0	124.52	23.16	6.0	0.899	66.73	66.48	11.00	923.49
316		1	31	921.7	1013.1	412.7(13.31)	515.2(16.62)	0.0	123.81	23.03	6.0	0.899	66.95	66.48	11.00	922.33
317		2	28	920.6	914.2	366.4(13.09)	465.4(16.62)	0.0	123.01	20.67	6.0	0.898	66.76	66.48	11.00	921.18
318		3	31	919.4	815.6	417.2(13.46)	515.2(16.62)	0.0	122.21	22.73	6.0	0.897	66.58	66.48	11.00	920.03
319		4	30	919.2	792.5	480.3(16.01)	498.6(16.62)	0.0	121.67	21.91	6.0	0.897	66.46	66.46	11.00	919.30
320		5	31	926.3	1408.4	1739.7(56.12)	1116.0(36.00)	0.0	125.00	49.97	12.9	0.895	67.00	67.00	11.00	922.71
321		6	30	922.8	1102.0	1205.9(40.20)	1500.0(50.00)	0.0	125.00	67.16	17.9	0.893	67.00	67.00	11.00	924.51
322		7	31	929.6	1701.4	1358.1(43.81)	744.0(24.00)	0.0	125.00	33.31	8.6	0.894	67.00	67.00	11.00	926.18
323		8	31	929.8	1716.1	589.0(19.00)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.69
324		9	30	928.3	1591.2	427.6(14.25)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	929.06
						687.6(22.51)	665.1(21.86)	0.0	123.91	29.69		0.897	2034.	2029.	11.00	924.05
325	1967	10	31	927.0	1474.2	447.2(14.43)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	927.68
326		11	30	925.8	1367.4	434.4(14.48)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	926.40
327		12	31	924.5	1252.7	443.3(14.30)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	925.14
328		1	31	923.1	1130.3	435.7(14.05)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	923.78
329		2	29	916.0	547.6	1215.3(41.91)	1798.0(62.00)	0.0	121.89	79.10	22.4	0.897	66.50	66.50	11.00	919.53
330		3	31	908.8	52.5	1506.1(48.58)	2000.7(64.54)	0.0	114.95	84.45	23.7	0.891	65.35	65.35	11.00	912.40
331		4	30	916.1	555.5	2436.9(81.23)	1930.0(64.33)	0.0	115.00	81.49	23.6	0.891	65.36	65.36	11.00	912.45
332		5	31	930.0	1736.1	5333.5(172.05)	2077.0(67.00)	2068.4	125.00	93.00	24.0	0.897	67.00	67.00	11.00	923.04
333		6	30	930.0	1736.1	2857.9(95.26)	2010.0(67.00)	834.7	125.00	90.00	24.0	0.897	67.00	67.00	11.00	930.00
334		7	31	929.5	1695.6	968.3(31.24)	992.0(32.00)	0.0	125.00	44.42	11.5	0.897	67.00	67.00	11.00	929.77
335		8	31	928.8	1630.7	466.5(15.05)	515.2(16.62)	0.0	121.85	22.66	6.0	0.897	67.00	66.48	11.00	929.17
336		9	30	927.5	1514.4	435.9(14.53)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	928.13
						1415.1(46.43)	1173.1(38.62)	241.9	122.81	51.54		0.896	2034.	2033.	11.00	923.96

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)		QQ (M3/SD)		QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
337	1968	10	31	926.2	1404.8	454.5(	14.66)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.895	67.00	67.00	11.00	926.84
338		11	30	925.2	1315.3	451.8(	15.06)	540.0(	18.00)	0.0	125.00	24.18	6.4	0.894	67.00	67.00	11.00	925.71
339		12	31	923.9	1198.1	440.7(	14.22)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.893	67.00	67.00	11.00	924.53
340		1	31	922.3	1063.9	423.9(	13.67)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.893	67.00	67.00	11.00	923.09
341		2	28	925.1	1302.8	742.8(	26.53)	504.0(	18.00)	0.0	125.00	22.57	6.4	0.895	67.00	67.00	11.00	923.69
342		3	31	928.7	1621.7	1559.6(	50.31)	1240.0(	40.00)	0.0	125.00	55.91	14.4	0.899	66.54	66.54	11.00	926.87
343		4	30	927.3	1499.7	1803.6(	60.12)	1920.0(	64.00)	0.0	125.00	88.14	23.5	0.899	65.35	65.35	11.00	928.00
344		5	31	929.9	1724.9	2280.4(	73.56)	2046.0(	66.00)	0.0	125.00	92.31	23.8	0.899	66.49	66.49	11.00	928.59
345		6	30	929.7	1714.0	902.3(	30.08)	900.0(	30.00)	0.0	125.00	40.30	10.7	0.898	67.00	67.00	11.00	929.81
346		7	31	928.6	1609.7	427.6(	13.79)	515.2(	16.62)	0.0	121.93	22.68	6.0	0.897	67.00	66.48	11.00	929.15
347		8	31	927.4	1504.0	425.4(	13.72)	515.2(	16.62)	0.0	121.17	22.54	6.0	0.896	67.00	66.48	11.00	927.95
348		9	30	926.2	1402.2	408.7(	13.62)	498.6(	16.62)	0.0	121.18	21.81	6.0	0.896	67.00	66.48	11.00	926.77
						860.1(	28.28)	862.8(	28.32)	0.0	124.11	38.78		0.896	2031.	2027.	11.00	926.75
349	1969	10	31	925.5	1338.9	457.9(	14.77)	515.2(	16.62)	0.0	121.16	22.54	6.0	0.896	67.00	66.48	11.00	925.83
350		11	30	924.6	1260.3	421.1(	14.04)	498.6(	16.62)	0.0	121.42	21.85	6.0	0.896	67.00	66.48	11.00	925.02
351		12	31	923.6	1179.7	434.7(	14.02)	515.2(	16.62)	0.0	122.12	22.71	6.0	0.897	67.00	66.48	11.00	924.11
352		1	31	922.6	1087.7	423.2(	13.65)	515.2(	16.62)	0.0	123.02	22.88	6.0	0.898	67.00	66.48	11.00	923.12
353		2	28	921.6	1001.5	379.2(	13.54)	465.4(	16.62)	0.0	123.65	20.77	6.0	0.899	66.91	66.48	11.00	922.11
354		3	31	920.8	928.4	442.7(	14.28)	515.2(	16.62)	0.0	123.02	22.88	6.0	0.898	66.77	66.48	11.00	921.20
355		4	30	923.2	1140.9	715.9(	23.86)	498.6(	16.62)	0.0	119.36	21.61	6.0	0.895	66.09	66.09	11.00	921.99
356		5	31	929.5	1691.3	1074.2(	34.65)	515.2(	16.62)	0.0	120.07	22.33	6.0	0.895	67.00	66.48	11.00	926.35
357		6	30	928.8	1627.3	447.6(	14.92)	498.6(	16.62)	0.0	122.00	21.96	6.0	0.897	67.00	66.48	11.00	929.12
358		7	31	927.7	1536.4	440.7(	14.22)	515.2(	16.62)	0.0	121.11	22.53	6.0	0.896	67.00	66.48	11.00	928.24
359		8	31	926.3	1411.4	406.0(	13.10)	515.2(	16.62)	0.0	120.97	22.50	6.0	0.896	67.00	66.48	11.00	927.01
360		9	30	925.0	1301.9	400.9(	13.36)	498.6(	16.62)	0.0	121.28	21.83	6.0	0.896	67.00	66.48	11.00	925.67
						503.7(	16.53)	505.5(	16.62)	0.0	121.60	22.20		0.897	2035.	2021.	11.00	924.98
361	1970	10	31	923.9	1202.2	421.3(	13.59)	515.2(	16.62)	0.0	121.67	22.63	6.0	0.897	67.00	66.48	11.00	924.47
362		11	30	922.8	1105.7	403.3(	13.44)	498.6(	16.62)	0.0	122.12	21.98	6.0	0.897	67.00	66.48	11.00	923.35
363		12	31	921.6	996.6	406.1(	13.10)	515.2(	16.62)	0.0	122.73	22.83	6.0	0.898	66.70	66.48	11.00	922.18
364		1	31	920.3	886.5	405.2(	13.07)	515.2(	16.62)	0.0	122.83	22.85	6.0	0.898	66.72	66.48	11.00	920.93
365		2	28	919.0	780.9	359.7(	12.85)	465.4(	16.62)	0.0	121.94	20.49	6.0	0.897	66.52	66.48	11.00	919.66
366		3	31	917.9	693.4	428.3(	13.82)	515.2(	16.62)	0.0	120.83	22.53	6.0	0.896	66.33	66.33	11.00	918.45
367		4	30	918.0	702.3	512.1(	17.07)	498.6(	16.62)	0.0	119.98	21.69	6.0	0.895	66.19	66.19	11.00	917.95
368		5	31	923.6	1179.2	999.9(	32.26)	515.2(	16.62)	0.0	116.15	21.91	6.1	0.892	65.56	65.56	11.00	920.83
369		6	30	930.0	1732.5	1165.1(	38.84)	600.0(	20.00)	0.0	125.00	26.87	7.2	0.895	67.00	67.00	11.00	926.80
370		7	31	928.6	1614.9	414.3(	13.37)	515.2(	16.62)	0.0	122.02	22.70	6.0	0.897	67.00	66.48	11.00	929.29
371		8	31	927.5	1519.4	478.4(	15.43)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	928.07
372		9	30	925.7	1357.6	390.2(	13.01)	540.0(	18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	926.60
						532.0(	17.49)	521.0(	17.13)	0.0	122.11	22.97		0.896	2028.	2023.	11.00	923.21
373	1971	10	31	924.0	1212.4	418.7(	13.51)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	924.85
374		11	30	922.5	1081.2	410.0(	13.67)	540.0(	18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	923.27
375		12	31	921.5	987.7	421.7(	13.60)	515.2(	16.62)	0.0	122.15	22.72	6.0	0.897	66.57	66.48	11.00	921.99
376		1	31	920.3	885.9	413.4(	13.34)	515.2(	16.62)	0.0	122.79	22.84	6.0	0.898	66.72	66.48	11.00	920.88
377		2	29	919.2	794.9	391.0(	13.48)	482.0(	16.62)	0.0	122.00	21.23	6.0	0.897	66.53	66.48	11.00	919.74
378		3	31	918.1	709.0	429.9(	13.87)	515.2(	16.62)	0.0	121.02	22.55	6.0	0.896	66.36	66.36	11.00	918.64
379		4	30	920.2	877.5	671.7(	22.39)	498.6(	16.62)	0.0	118.84	21.55	6.0	0.894	66.00	66.00	11.00	919.15
380		5	31	927.2	1486.7	1609.3(	51.91)	992.0(	32.00)	0.0	125.00	44.42	11.5	0.892	67.00	67.00	11.00	923.68
381		6	30	929.7	1710.1	1615.9(	53.86)	1380.0(	46.00)	0.0	125.00	61.79	16.5	0.896	67.00	67.00	11.00	928.43
382		7	31	929.4	1682.5	547.1(	17.65)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.55
383		8	31	927.7	1530.3	422.0(	13.61)	558.0(	18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	928.52
384		9	30	926.3	1409.7	431.4(	14.38)	540.0(	18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	926.96
						648.5(	21.27)	637.7(	20.92)	0.0	123.48	28.37		0.896	2036.	2035.	11.00	923.80

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
385	1972	10	31	925.0	1297.0	451.2(14.56)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	925.63
386		11	30	923.8	1188.7	432.9(14.43)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	924.37
387		12	31	922.3	1061.9	431.2(13.91)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	923.03
388		1	31	921.3	975.0	428.3(13.82)	515.2(16.62)	0.0	122.83	22.85	6.0	0.898	66.72	66.48	11.00	921.81
389		2	28	920.5	906.3	396.6(14.17)	465.4(16.62)	0.0	122.82	20.63	6.0	0.898	66.72	66.48	11.00	920.92
390		3	31	919.7	834.4	443.9(14.32)	515.2(16.62)	0.0	122.26	22.74	6.0	0.897	66.59	66.48	11.00	920.11
391		4	30	921.6	997.9	666.9(22.23)	498.6(16.62)	0.0	122.62	22.07	6.0	0.898	66.68	66.48	11.00	920.63
392		5	31	929.0	1652.2	1840.5(59.37)	1178.0(38.00)	0.0	125.00	52.75	13.6	0.897	67.00	67.00	11.00	925.31
393		6	30	930.0	1736.1	1660.4(55.35)	1560.0(52.00)	3.4	125.00	69.85	18.6	0.897	67.00	67.00	11.00	929.52
394		7	31	929.5	1695.2	491.0(15.84)	515.2(16.62)	0.0	122.02	22.70	6.0	0.897	67.00	66.48	11.00	929.77
395		8	31	928.1	1566.9	403.2(13.01)	515.2(16.62)	0.0	122.06	22.70	6.0	0.897	67.00	66.48	11.00	928.80
396		9	30	926.8	1456.0	399.8(13.33)	498.6(16.62)	0.0	122.74	22.09	6.0	0.898	67.00	66.48	11.00	927.44
						670.5(22.03)	659.8(21.69)	0.3	123.53	29.38		0.897	2035.	2029.	11.00	924.78
397	1973	10	31	925.9	1378.2	443.4(14.30)	515.2(16.62)	0.0	123.75	23.02	6.0	0.899	67.00	66.48	11.00	926.36
398		11	30	925.1	1304.9	426.6(14.22)	498.6(16.62)	0.0	124.50	22.41	6.0	0.899	66.75	66.48	11.00	925.50
399		12	31	924.0	1207.5	417.8(13.48)	515.2(16.62)	0.0	125.00	23.27	6.0	0.899	66.41	66.41	11.00	924.52
400		1	31	922.7	1099.9	407.6(13.15)	515.2(16.62)	0.0	124.44	23.15	6.0	0.899	66.78	66.48	11.00	923.35
401		2	28	921.6	1003.0	368.5(13.16)	465.4(16.62)	0.0	123.71	20.78	6.0	0.899	66.92	66.48	11.00	922.19
402		3	31	920.7	923.3	436.1(14.07)	515.2(16.62)	0.0	123.00	22.88	6.0	0.898	66.76	66.48	11.00	921.18
403		4	30	920.5	899.7	479.9(16.00)	498.6(16.62)	0.0	122.59	22.07	6.0	0.898	66.67	66.48	11.00	920.59
404		5	31	927.2	1491.4	1115.0(35.97)	515.2(16.62)	0.0	121.59	22.62	6.0	0.897	67.00	66.48	11.00	923.83
405		6	30	928.4	1599.7	660.8(22.03)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	927.82
406		7	31	926.7	1450.9	411.1(13.26)	543.6(17.54)	0.0	125.00	24.34	6.3	0.896	67.00	67.00	11.00	927.59
407		8	31	925.5	1343.6	407.9(13.16)	499.8(16.12)	0.0	117.40	21.84	6.0	0.896	67.00	64.49	11.00	926.13
408		9	30	924.8	1276.6	431.6(14.39)	487.0(16.23)	0.0	118.66	21.36	6.0	0.896	67.00	64.94	11.00	925.14
						500.5(16.43)	509.1(16.74)	0.0	122.89	22.66		0.898	2034.	2016.	11.00	924.52
409	1974	10	31	923.5	1169.1	407.7(13.15)	509.4(16.43)	0.0	120.70	22.45	6.0	0.897	67.00	65.73	11.00	924.14
410		11	30	922.4	1068.0	397.5(13.25)	497.4(16.58)	0.0	122.86	22.12	6.0	0.898	67.00	66.33	11.00	922.95
411		12	31	921.3	971.5	418.7(13.51)	515.2(16.62)	0.0	123.45	22.96	6.0	0.899	66.87	66.48	11.00	921.82
412		1	31	920.1	871.9	415.6(13.41)	515.2(16.62)	0.0	122.67	22.82	6.0	0.898	66.69	66.48	11.00	920.70
413		2	28	918.9	773.5	367.0(13.11)	465.4(16.62)	0.0	121.85	20.47	6.0	0.897	66.50	66.48	11.00	919.53
414		3	31	917.8	683.4	425.1(13.71)	514.6(16.60)	0.0	120.72	22.49	6.0	0.896	66.31	66.31	11.00	918.34
415		4	30	918.6	749.2	564.4(18.81)	494.0(16.47)	0.0	119.81	21.57	6.0	0.896	66.29	65.87	11.00	918.19
416		5	31	919.9	855.8	621.8(20.06)	507.4(16.37)	0.0	114.56	21.37	6.0	0.891	65.29	65.29	11.00	919.28
417		6	30	920.1	869.9	512.7(17.09)	487.6(16.25)	0.0	113.05	20.35	6.0	0.890	65.04	65.01	11.00	920.03
418		7	31	919.0	782.3	427.6(13.79)	501.2(16.17)	0.0	112.11	20.85	6.0	0.889	64.96	64.67	11.00	919.57
419		8	31	917.5	662.6	395.6(12.76)	501.8(16.19)	0.0	112.33	20.89	6.0	0.889	64.98	64.75	11.00	918.26
420		9	30	916.1	559.0	395.0(13.17)	488.6(16.29)	0.0	113.74	20.47	6.0	0.890	65.15	65.14	11.00	916.81
						445.7(14.65)	499.8(16.43)	0.0	118.15	21.57		0.894	2008.	1999.	11.00	919.97
421	1975	10	31	914.9	470.5	426.7(13.76)	510.3(16.46)	0.0	114.75	21.51	6.0	0.891	65.32	65.32	11.00	915.53
422		11	30	913.7	382.5	410.6(13.69)	497.6(16.59)	0.0	115.89	21.13	6.1	0.892	65.51	65.51	11.00	914.32
423		12	31	912.1	267.6	400.3(12.91)	515.2(16.62)	0.0	115.41	21.81	6.1	0.891	65.43	65.43	11.00	912.89
424		1	31	910.4	158.0	405.6(13.09)	515.2(16.62)	0.0	113.85	21.60	6.1	0.890	65.17	65.17	11.00	911.26
425		2	29	908.9	56.2	380.2(13.11)	482.0(16.62)	0.0	112.33	20.02	6.1	0.889	64.91	64.91	11.00	909.67
426		3	31	908.0	0.0	459.0(14.81)	514.7(16.60)	0.0	111.17	21.22	6.2	0.888	64.71	64.71	11.00	908.44
427		4	30	917.7	675.3	1177.8(39.26)	498.6(16.62)	0.0	115.36	21.10	6.1	0.891	65.42	65.42	11.00	912.83
428		5	31	929.2	1664.5	2236.9(72.16)	1240.0(40.00)	0.0	125.00	55.52	14.3	0.896	67.00	67.00	11.00	923.42
429		6	30	929.4	1687.2	1715.7(57.19)	1680.0(56.00)	0.0	125.00	75.22	20.1	0.898	67.00	67.00	11.00	929.31
430		7	31	929.7	1709.0	782.4(25.24)	744.0(24.00)	0.0	125.00	33.31	8.6	0.897	67.00	67.00	11.00	929.57
431		8	31	928.6	1617.6	440.1(14.20)	515.2(16.62)	0.0	122.28	22.74	6.0	0.897	67.00	66.48	11.00	929.17
432		9	30	927.7	1532.4	425.6(14.19)	498.6(16.62)	0.0	122.56	22.06	6.0	0.898	67.00	66.48	11.00	928.16
						771.7(25.30)	684.3(22.45)	0.0	118.22	29.77		0.893	2012.	2009.	11.00	918.71

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
433	1976	10	31	926.9	1460.9	449.8(14.51)	515.2(16.62)	0.0	122.92	22.86	6.0	0.898	67.00	66.48	11.00	927.27
434		11	30	926.1	1391.8	430.7(14.36)	498.6(16.62)	0.0	123.36	22.20	6.0	0.899	67.00	66.48	11.00	926.46
435		12	31	925.2	1316.4	439.8(14.19)	515.2(16.62)	0.0	124.27	23.11	6.0	0.899	66.87	66.48	11.00	925.64
436		1	31	924.2	1226.0	424.8(13.70)	515.2(16.62)	0.0	125.00	23.29	6.0	0.899	66.36	66.36	11.00	924.69
437		2	28	923.3	1151.9	391.2(13.97)	465.4(16.62)	0.0	124.68	20.95	6.0	0.899	66.65	66.48	11.00	923.75
438		3	31	925.4	1331.5	695.5(22.43)	515.2(16.62)	0.0	125.00	23.26	6.0	0.899	66.46	66.46	11.00	924.36
439		4	30	929.1	1658.5	1592.3(53.08)	1260.0(42.00)	0.0	125.00	57.53	15.3	0.899	65.71	65.71	11.00	927.25
440		5	31	926.3	1415.3	1843.3(59.46)	2077.0(67.00)	0.0	125.00	93.00	24.0	0.897	67.00	67.00	11.00	927.73
441		6	30	930.0	1736.1	1001.0(33.37)	660.0(22.00)	7.8	125.00	29.55	7.9	0.896	67.00	67.00	11.00	928.17
442		7	31	928.9	1640.9	436.8(14.09)	515.2(16.62)	0.0	121.81	22.66	6.0	0.897	67.00	66.48	11.00	929.46
443		8	31	927.1	1478.5	411.7(13.28)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.99
444		9	30	925.5	1338.5	411.9(13.73)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	926.26
						710.7(23.35)	719.6(23.61)	0.7	124.34	32.30		0.898	2030.	2025.	11.00	926.58
445	1977	10	31	924.0	1206.9	432.3(13.94)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	924.71
446		11	30	922.5	1081.6	415.9(13.86)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	923.24
447		12	31	921.5	989.0	422.6(13.63)	515.2(16.62)	0.0	122.70	22.82	6.0	0.898	66.69	66.48	11.00	922.00
448		1	31	920.4	896.1	422.3(13.62)	515.2(16.62)	0.0	122.84	22.85	6.0	0.898	66.73	66.48	11.00	920.94
449		2	28	919.6	825.3	394.6(14.09)	465.4(16.62)	0.0	122.18	20.53	6.0	0.897	66.57	66.48	11.00	919.99
450		3	31	925.0	1299.6	990.1(31.94)	515.2(16.62)	0.0	123.78	23.02	6.0	0.899	66.94	66.48	11.00	922.29
451		4	30	929.5	1691.5	1597.2(53.24)	1200.0(40.00)	0.0	125.00	54.90	14.6	0.899	65.57	65.57	11.00	927.25
452		5	31	929.7	1707.6	2009.5(64.82)	1984.0(64.00)	0.0	125.00	89.29	23.0	0.899	66.66	66.66	11.00	929.58
453		6	30	930.0	1736.1	1245.3(41.51)	1200.0(40.00)	3.6	125.00	53.73	14.3	0.898	67.00	67.00	11.00	929.84
454		7	31	928.7	1625.9	421.7(13.60)	515.2(16.62)	0.0	122.32	22.75	6.0	0.897	67.00	66.48	11.00	929.37
455		8	31	926.8	1456.6	404.7(13.06)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.78
456		9	30	925.1	1302.9	398.2(13.27)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	925.93
						762.9(25.05)	758.9(24.92)	0.3	124.07	34.02		0.898	2031.	2027.	11.00	925.24
457	1978	10	31	923.4	1160.8	421.7(13.60)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	924.24
458		11	30	922.0	1031.9	412.2(13.74)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	922.70
459		12	31	920.9	940.1	423.5(13.66)	515.2(16.62)	0.0	122.27	22.74	6.0	0.897	66.60	66.48	11.00	921.44
460		1	31	919.8	846.6	421.7(13.60)	515.2(16.62)	0.0	122.44	22.77	6.0	0.898	66.64	66.48	11.00	920.37
461		2	28	918.9	768.3	387.0(13.82)	465.4(16.62)	0.0	121.71	20.45	6.0	0.897	66.47	66.47	11.00	919.34
462		3	31	917.8	689.4	436.9(14.09)	515.2(16.62)	0.0	120.73	22.51	6.0	0.896	66.31	66.31	11.00	918.34
463		4	30	918.7	755.2	569.0(18.97)	498.6(16.62)	0.0	120.28	21.73	6.0	0.896	66.24	66.24	11.00	918.26
464		5	31	928.6	1614.2	1610.8(51.96)	744.0(24.00)	0.0	125.00	33.31	8.6	0.894	67.00	67.00	11.00	923.65
465		6	30	929.4	1687.2	1585.9(52.86)	1500.0(50.00)	0.0	125.00	67.16	17.9	0.897	67.00	67.00	11.00	929.02
466		7	31	929.4	1687.6	637.0(20.55)	620.0(20.00)	0.0	125.00	27.76	7.2	0.897	67.00	67.00	11.00	929.44
467		8	31	928.1	1567.3	411.2(13.26)	515.2(16.62)	0.0	122.02	22.70	6.0	0.897	67.00	66.48	11.00	928.76
468		9	30	926.8	1453.7	397.0(13.23)	498.6(16.62)	0.0	122.39	22.03	6.0	0.898	67.00	66.48	11.00	927.42
						642.8(21.11)	623.8(20.53)	0.0	123.07	27.69		0.897	2031.	2028.	11.00	923.58
469	1979	10	31	925.9	1380.1	447.6(14.44)	515.2(16.62)	0.0	123.10	22.90	6.0	0.898	67.00	66.48	11.00	926.36
470		11	30	925.5	1340.7	460.5(15.35)	498.6(16.62)	0.0	122.83	22.11	6.0	0.898	67.00	66.48	11.00	925.71
471		12	31	924.2	1229.4	446.6(14.41)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	924.85
472		1	31	922.8	1106.5	435.1(14.04)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	923.51
473		2	29	921.9	1029.3	404.8(13.96)	482.0(16.62)	0.0	122.63	21.34	6.0	0.898	66.68	66.48	11.00	922.37
474		3	31	928.8	1628.2	1114.8(35.96)	515.2(16.62)	0.0	125.00	23.36	6.0	0.899	66.15	66.15	11.00	925.35
475		4	30	929.6	1703.7	1761.1(58.70)	1680.0(56.00)	0.0	125.00	77.55	20.7	0.899	64.99	64.99	11.00	929.20
476		5	31	930.0	1736.1	1720.8(55.51)	1674.0(54.00)	4.9	125.00	75.25	19.4	0.899	66.74	66.74	11.00	929.82
477		6	30	929.0	1648.2	423.9(14.13)	498.6(16.62)	0.0	122.07	21.97	6.0	0.897	67.00	66.48	11.00	929.50
478		7	31	927.0	1475.4	401.7(12.96)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	928.01
479		8	31	925.2	1314.2	412.2(13.30)	558.0(18.00)	0.0	125.00	24.99	6.4	0.895	67.00	67.00	11.00	926.10
480		9	30	923.4	1158.9	396.2(13.21)	540.0(18.00)	0.0	125.00	24.18	6.4	0.895	67.00	67.00	11.00	924.30
						702.1(23.00)	719.6(23.59)	0.4	124.22	32.38		0.898	2035.	2030.	11.00	926.26

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
481	1980	10	31	922.2	1057.1	419.1(13.52)	515.2(16.62)	0.0	120.97	22.50	6.0	0.896	67.00	66.48	11.00	922.83
482		11	30	921.2	962.7	405.4(13.51)	498.6(16.62)	0.0	121.38	21.87	6.0	0.897	66.42	66.42	11.00	921.71
483		12	31	920.0	863.8	416.3(13.43)	515.2(16.62)	0.0	122.10	22.71	6.0	0.897	66.56	66.48	11.00	920.61
484		1	31	918.8	762.7	414.1(13.36)	515.2(16.62)	0.0	121.77	22.65	6.0	0.897	66.48	66.48	11.00	919.41
485		2	28	917.6	673.1	375.8(13.42)	465.4(16.62)	0.0	120.59	20.32	6.0	0.896	66.29	66.29	11.00	918.20
486		3	31	916.4	581.5	424.2(13.68)	515.2(16.62)	0.0	119.43	22.34	6.0	0.895	66.10	66.10	11.00	917.03
487		4	30	916.4	581.5	503.2(16.77)	498.6(16.62)	0.0	118.85	21.55	6.0	0.894	66.00	66.00	11.00	916.43
488		5	31	922.9	1110.6	1051.9(33.93)	515.2(16.62)	0.0	118.23	22.18	6.1	0.894	65.90	65.90	11.00	919.64
489		6	30	930.0	1736.1	1720.5(57.35)	1080.0(36.00)	3.4	125.00	48.36	12.9	0.895	67.00	67.00	11.00	926.43
490		7	31	928.8	1633.5	429.4(13.85)	515.2(16.62)	0.0	121.95	22.68	6.0	0.897	67.00	66.48	11.00	929.41
491		8	31	927.0	1473.6	414.1(13.36)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.92
492		9	30	925.3	1322.1	400.4(13.35)	540.0(18.00)	0.0	125.00	24.18	6.4	0.896	67.00	67.00	11.00	926.14
						581.2(19.13)	561.0(18.46)	0.3	121.69	24.69		0.896	2025.	2022.	11.00	922.15
493	1981	10	31	923.6	1178.1	419.9(13.54)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	924.45
494		11	30	922.2	1051.7	414.7(13.82)	540.0(18.00)	0.0	125.00	24.18	6.4	0.897	67.00	67.00	11.00	922.91
495		12	31	921.0	947.4	411.0(13.26)	515.2(16.62)	0.0	121.89	22.67	6.0	0.897	66.51	66.48	11.00	921.59
496		1	31	920.1	869.8	437.6(14.12)	515.2(16.62)	0.0	122.57	22.80	6.0	0.898	66.66	66.48	11.00	920.56
497		2	28	919.3	803.8	399.4(14.26)	465.4(16.62)	0.0	121.98	20.49	6.0	0.897	66.53	66.48	11.00	919.71
498		3	31	918.4	730.2	442.2(14.26)	515.2(16.62)	0.0	121.21	22.57	6.0	0.896	66.39	66.39	11.00	918.83
499		4	30	922.4	1071.6	844.6(28.15)	498.6(16.62)	0.0	122.45	22.04	6.0	0.898	66.64	66.48	11.00	920.39
500		5	31	928.8	1628.4	2115.2(68.23)	1550.0(50.00)	0.0	125.00	69.40	17.9	0.896	67.00	67.00	11.00	925.59
501		6	30	930.0	1736.1	667.7(22.26)	547.1(18.24)	0.0	125.00	24.50	6.5	0.897	67.00	67.00	11.00	929.39
502		7	31	930.0	1736.1	181.5(5.85)	164.7(5.31)	0.0	39.07	7.27	6.0	0.897	67.00	21.26	11.00	930.00
503		8	31	928.8	1632.2	270.4(8.72)	358.0(11.55)	0.0	85.14	15.84	6.0	0.898	67.00	46.19	11.00	929.41
504		9	30	927.7	1531.2	397.7(13.26)	486.3(16.21)	0.0	120.30	21.65	6.0	0.899	67.00	64.84	11.00	928.24
						583.5(19.15)	559.5(18.37)	0.0	112.88	24.87		0.897	2032.	1854.	11.00	924.25
505	1982	10	31	926.5	1432.1	416.1(13.42)	509.1(16.42)	0.0	122.81	22.84	6.0	0.899	66.87	65.69	11.00	927.10
506		11	30	925.4	1333.4	399.9(13.33)	497.4(16.58)	0.0	124.86	22.48	6.0	0.899	66.39	66.32	11.00	925.97
507		12	31	924.1	1223.4	405.2(13.07)	515.2(16.62)	0.0	125.00	23.30	6.0	0.899	66.33	66.33	11.00	924.78
508		1	31	922.9	1118.0	409.8(13.22)	515.2(16.62)	0.0	124.56	23.17	6.0	0.899	66.72	66.48	11.00	923.55
509		2	28	922.1	1040.4	387.8(13.85)	465.4(16.62)	0.0	123.93	20.82	6.0	0.899	66.97	66.48	11.00	922.50
510		3	31	921.2	968.1	442.8(14.29)	514.6(16.60)	0.0	123.18	22.91	6.0	0.899	66.84	66.40	11.00	921.65
511		4	30	921.2	968.4	498.9(16.63)	493.7(16.46)	0.0	121.84	21.93	6.0	0.898	66.77	65.83	11.00	921.24
512		5	31	920.7	917.2	464.0(14.97)	507.0(16.36)	0.0	120.88	22.48	6.0	0.898	66.73	65.42	11.00	920.95
513		6	30	920.2	876.0	457.3(15.24)	487.4(16.25)	0.0	115.03	20.71	6.0	0.892	65.53	64.99	11.00	920.42
514		7	31	918.3	723.8	363.1(11.71)	501.2(16.17)	0.0	111.66	20.77	6.0	0.889	64.85	64.67	11.00	919.23
515		8	31	916.3	573.8	365.2(11.78)	502.0(16.19)	0.0	111.47	20.74	6.0	0.888	64.76	64.76	11.00	917.30
516		9	30	915.3	500.7	425.5(14.18)	488.8(16.29)	0.0	112.64	20.34	6.0	0.889	64.96	64.96	11.00	915.83
						419.6(13.81)	499.7(16.43)	0.0	119.82	21.87		0.896	2012.	1998.	11.00	921.71
517	1983	10	31	914.0	404.7	419.2(13.52)	510.3(16.46)	0.0	113.95	21.41	6.1	0.890	65.19	65.19	11.00	914.68
518		11	30	913.2	345.3	439.2(14.64)	497.6(16.59)	0.0	113.76	20.85	6.1	0.890	65.15	65.15	11.00	913.60
519		12	31	911.9	258.0	427.9(13.80)	515.2(16.62)	0.0	112.93	21.48	6.1	0.889	65.01	65.01	11.00	912.56
520		1	31	910.6	164.9	422.2(13.62)	515.2(16.62)	0.0	112.80	21.46	6.1	0.889	64.99	64.99	11.00	911.24
521		2	29	909.2	74.9	391.9(13.51)	482.0(16.62)	0.0	112.52	20.04	6.1	0.889	64.94	64.94	11.00	909.86
522		3	31	908.0	0.0	440.3(14.20)	514.7(16.60)	0.0	111.31	21.24	6.2	0.888	64.73	64.73	11.00	908.59
523		4	30	913.8	387.8	890.3(29.68)	498.6(16.62)	0.0	113.50	20.86	6.1	0.890	65.11	65.11	11.00	910.89
524		5	31	928.6	1616.8	1980.1(63.88)	744.0(24.00)	0.0	123.56	33.04	8.6	0.898	66.77	66.77	11.00	921.21
525		6	30	929.6	1696.7	932.8(31.09)	840.0(28.00)	0.0	125.00	37.61	10.0	0.897	67.00	67.00	11.00	929.09
526		7	31	928.5	1608.5	443.6(14.31)	515.2(16.62)	0.0	122.02	22.70	6.0	0.897	67.00	66.48	11.00	929.05
527		8	31	927.7	1532.7	455.4(14.69)	515.2(16.62)	0.0	121.32	22.57	6.0	0.896	67.00	66.48	11.00	928.11
528		9	30	926.7	1442.8	420.8(14.03)	498.6(16.62)	0.0	120.81	21.75	6.0	0.896	67.00	66.48	11.00	927.17
						638.6(20.91)	553.9(18.17)	0.0	116.96	23.75		0.893	2008.	2004.	11.00	918.00

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
529	1984	10	31	925.5	1339.5	417.9(13.48)	515.2(16.62)	0.0	120.82	22.47	6.0	0.896	67.00	66.48	11.00	926.06
530		11	30	924.1	1215.9	417.5(13.92)	540.0(18.00)	0.0	125.00	24.18	6.4	0.895	67.00	67.00	11.00	924.77
531		12	31	922.4	1068.8	411.0(13.26)	558.0(18.00)	0.0	125.00	24.99	6.4	0.894	67.00	67.00	11.00	923.22
532		1	31	921.7	1012.0	458.4(14.79)	515.2(16.62)	0.0	118.30	22.19	6.1	0.894	65.91	65.91	11.00	922.06
533		2	28	921.0	944.9	398.3(14.22)	465.4(16.62)	0.0	119.07	20.14	6.0	0.895	66.04	66.04	11.00	921.35
534		3	31	920.3	887.5	458.4(14.79)	515.2(16.62)	0.0	119.52	22.35	6.0	0.895	66.12	66.12	11.00	920.64
535		4	30	926.4	1421.0	1078.3(35.94)	540.0(18.00)	0.0	125.00	24.18	6.4	0.895	67.00	67.00	11.00	923.36
536		5	31	929.7	1707.6	1349.6(43.54)	1054.0(34.00)	0.0	125.00	47.19	12.2	0.896	67.00	67.00	11.00	928.04
537		6	30	928.2	1579.9	384.0(12.80)	498.6(16.62)	0.0	121.55	21.88	6.0	0.897	67.00	66.48	11.00	928.95
538		7	31	926.9	1460.8	412.3(13.30)	515.2(16.62)	0.0	121.65	22.63	6.0	0.897	67.00	66.48	11.00	927.54
539		8	31	925.3	1327.9	397.8(12.83)	515.2(16.62)	0.0	123.07	22.89	6.0	0.898	67.00	66.48	11.00	926.10
540		9	30	924.1	1220.3	402.6(13.42)	498.6(16.62)	0.0	124.41	22.39	6.0	0.899	66.80	66.48	11.00	924.73
						548.8(18.02)	560.9(18.41)	0.0	122.37	24.79		0.896	2030.	2024.	11.00	924.73
541	1985	10	31	922.7	1093.0	393.6(12.70)	515.2(16.62)	0.0	124.46	23.15	6.0	0.899	66.77	66.48	11.00	923.39
542		11	30	921.7	1013.1	419.8(13.99)	498.6(16.62)	0.0	123.72	22.27	6.0	0.899	66.93	66.48	11.00	922.20
543		12	31	920.6	911.1	413.3(13.33)	515.2(16.62)	0.0	122.99	22.88	6.0	0.898	66.76	66.48	11.00	921.17
544		1	31	919.6	824.2	428.3(13.82)	515.2(16.62)	0.0	122.23	22.73	6.0	0.897	66.59	66.48	11.00	920.07
545		2	28	918.8	765.2	406.4(14.51)	465.4(16.62)	0.0	121.55	20.43	6.0	0.897	66.45	66.45	11.00	919.18
546		3	31	917.8	684.7	435.3(14.04)	515.2(16.62)	0.0	120.68	22.51	6.0	0.896	66.30	66.30	11.00	918.30
547		4	30	921.6	1001.4	819.9(27.33)	498.6(16.62)	0.0	121.97	21.95	6.0	0.897	66.53	66.48	11.00	919.70
548		5	31	926.3	1413.8	1660.6(53.57)	1240.0(40.00)	0.0	125.00	55.52	14.3	0.895	67.00	67.00	11.00	923.97
549		6	30	930.0	1736.1	1486.8(49.56)	1140.0(38.00)	12.1	125.00	51.04	13.6	0.896	67.00	67.00	11.00	928.16
550		7	31	928.9	1638.1	434.0(14.00)	515.2(16.62)	0.0	122.31	22.75	6.0	0.897	67.00	66.48	11.00	929.44
551		8	31	927.7	1538.0	431.1(13.91)	515.2(16.62)	0.0	123.43	22.96	6.0	0.899	67.00	66.48	11.00	928.31
552		9	30	926.1	1396.2	368.9(12.30)	498.6(16.62)	0.0	124.66	22.44	6.0	0.899	66.66	66.48	11.00	926.93
						641.5(21.09)	619.4(20.35)	1.0	123.17	27.55		0.898	2030.	2024.	11.00	923.40
553	1986	10	31	924.7	1267.5	392.4(12.66)	515.2(16.62)	0.0	124.37	23.13	6.0	0.899	66.82	66.48	11.00	925.39
554		11	30	923.9	1203.2	435.5(14.52)	498.6(16.62)	0.0	123.25	22.18	6.0	0.899	67.00	66.48	11.00	924.28
555		12	31	922.4	1067.7	422.5(13.63)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	923.14
556		1	31	921.7	1012.1	459.6(14.82)	515.2(16.62)	0.0	122.12	22.71	6.0	0.897	66.56	66.48	11.00	922.05
557		2	28	924.5	1257.9	711.1(25.40)	465.4(16.62)	0.0	124.32	20.89	6.0	0.899	66.84	66.48	11.00	923.14
558		3	31	926.6	1437.8	1482.6(47.83)	1302.0(42.00)	0.0	125.00	59.10	15.3	0.899	66.09	66.09	11.00	925.57
559		4	30	922.5	1077.8	1622.5(54.08)	1977.1(65.90)	0.0	125.00	89.32	23.8	0.899	66.41	66.41	11.00	924.54
560		5	31	929.6	1699.4	2645.4(85.33)	2015.4(65.01)	0.0	125.00	91.69	23.7	0.899	65.94	65.94	11.00	926.03
561		6	30	929.8	1722.2	1175.8(39.19)	1140.0(38.00)	0.0	125.00	51.04	13.6	0.897	67.00	67.00	11.00	929.71
562		7	31	930.0	1736.1	546.4(17.63)	515.2(16.62)	0.5	123.19	22.91	6.0	0.898	67.00	66.48	11.00	929.92
563		8	31	928.2	1580.8	376.2(12.14)	515.2(16.62)	0.0	124.23	23.11	6.0	0.899	66.89	66.48	11.00	929.11
564		9	30	927.0	1477.1	407.1(13.57)	498.6(16.62)	0.0	124.82	22.47	6.0	0.899	66.58	66.48	11.00	927.64
						889.8(29.23)	876.3(28.77)	0.0	124.27	39.46		0.899	2028.	2022.	11.00	925.88
565	1987	10	31	925.9	1380.5	424.6(13.70)	515.2(16.62)	0.0	125.00	23.31	6.0	0.899	66.31	66.31	11.00	926.49
566		11	30	925.0	1299.0	418.3(13.94)	498.6(16.62)	0.0	125.00	22.58	6.0	0.899	66.23	66.23	11.00	925.48
567		12	31	923.9	1204.7	420.9(13.58)	515.2(16.62)	0.0	125.00	23.27	6.0	0.899	66.43	66.43	11.00	924.47
568		1	31	922.8	1107.9	418.4(13.50)	515.2(16.62)	0.0	124.46	23.15	6.0	0.899	66.77	66.48	11.00	923.38
569		2	29	922.6	1084.3	458.4(15.81)	482.0(16.62)	0.0	124.06	21.59	6.0	0.899	66.98	66.48	11.00	922.69
570		3	31	929.3	1678.7	1463.0(47.19)	868.0(28.00)	0.0	125.00	39.47	10.2	0.899	65.97	65.97	11.00	925.95
571		4	30	930.0	1736.0	1622.9(54.10)	1560.0(52.00)	0.0	125.00	72.17	19.2	0.899	64.85	64.85	11.00	929.67
572		5	31	929.5	1690.5	1948.2(62.84)	1984.0(64.00)	0.0	125.00	91.81	23.7	0.899	64.83	64.83	11.00	929.74
573		6	30	929.7	1709.9	2042.4(68.08)	2010.0(67.00)	0.0	125.00	90.00	24.0	0.898	67.00	67.00	11.00	929.59
574		7	31	929.9	1723.7	1394.6(44.99)	1364.0(44.00)	0.0	125.00	61.07	15.8	0.897	67.00	67.00	11.00	929.78
575		8	31	928.9	1635.7	443.5(14.31)	515.2(16.62)	0.0	122.33	22.75	6.0	0.897	67.00	66.48	11.00	929.36
576		9	30	927.9	1552.9	428.1(14.27)	498.6(16.62)	0.0	121.91	21.94	6.0	0.897	67.00	66.48	11.00	928.38
						956.9(31.36)	943.8(30.94)	0.0	124.40	42.76		0.899	2024.	2019.	11.00	927.08

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
577	1988	10	31	926.7	1446.1	457.4(14.75)	558.0(18.00)	0.0	125.00	24.99	6.4	0.896	67.00	67.00	11.00	927.30
578		11	30	925.4	1332.5	427.6(14.25)	540.0(18.00)	0.0	125.00	24.18	6.4	0.894	67.00	67.00	11.00	926.04
579		12	31	923.9	1204.4	429.9(13.87)	558.0(18.00)	0.0	125.00	24.99	6.4	0.893	67.00	67.00	11.00	924.66
580		1	31	922.4	1068.0	421.6(13.60)	558.0(18.00)	0.0	125.00	24.99	6.4	0.892	67.00	67.00	11.00	923.15
581		2	28	921.4	981.0	378.3(13.51)	465.4(16.62)	0.0	117.29	19.92	6.1	0.893	65.75	65.75	11.00	921.88
582		3	31	920.8	933.0	467.8(15.09)	515.2(16.62)	0.0	118.05	22.16	6.1	0.894	65.87	65.87	11.00	921.11
583		4	30	929.4	1685.3	1417.2(47.24)	660.0(22.00)	0.0	125.00	29.55	7.9	0.895	67.00	67.00	11.00	925.13
584		5	31	929.7	1712.1	594.3(19.17)	558.0(18.00)	0.0	125.00	24.99	6.4	0.897	67.00	67.00	11.00	929.57
585		6	30	928.4	1594.6	394.3(13.14)	498.6(16.62)	0.0	122.53	22.06	6.0	0.898	67.00	66.48	11.00	929.05
586		7	31	926.8	1458.7	395.6(12.76)	515.2(16.62)	0.0	124.03	23.07	6.0	0.899	67.00	66.48	11.00	927.61
587		8	31	925.3	1321.9	393.9(12.71)	515.2(16.62)	0.0	125.00	23.39	6.0	0.899	66.08	66.08	11.00	926.05
588		9	30	923.9	1202.0	390.2(13.01)	498.6(16.62)	0.0	125.00	22.53	6.0	0.899	66.39	66.39	11.00	924.59
						514.0(16.93)	536.7(17.64)	0.0	123.49	23.90		0.896	2028.	2026.	11.00	925.51
589	1989	10	31	922.9	1112.3	431.2(13.91)	515.2(16.62)	0.0	124.47	23.15	6.0	0.899	66.76	66.48	11.00	923.39
590		11	30	921.9	1028.2	415.7(13.86)	498.6(16.62)	0.0	123.86	22.29	6.0	0.899	66.96	66.48	11.00	922.40
591		12	31	920.9	942.5	429.5(13.85)	515.2(16.62)	0.0	123.18	22.91	6.0	0.898	66.80	66.48	11.00	921.43
592		1	31	919.8	840.2	412.9(13.32)	515.2(16.62)	0.0	122.42	22.77	6.0	0.898	66.63	66.48	11.00	920.35
593		2	28	918.6	749.3	374.4(13.37)	465.4(16.62)	0.0	121.55	20.43	6.0	0.897	66.45	66.45	11.00	919.18
594		3	31	917.9	692.0	458.5(14.79)	515.2(16.62)	0.0	120.62	22.50	6.0	0.896	66.30	66.30	11.00	918.24
595		4	30	929.3	1673.8	1485.0(49.50)	498.6(16.62)	0.0	124.58	22.42	6.0	0.899	66.70	66.48	11.00	923.58
596		5	31	930.0	1736.1	1932.5(62.34)	1860.0(60.00)	0.7	125.00	86.04	22.2	0.899	64.86	64.86	11.00	929.64
597		6	30	930.0	1736.1	849.9(28.33)	836.7(27.89)	0.0	125.00	37.47	10.0	0.897	67.00	67.00	11.00	930.00
598		7	31	930.0	1736.1	378.6(12.21)	361.8(11.67)	0.0	85.81	15.96	6.0	0.897	67.00	46.69	11.00	930.00
599		8	31	930.0	1736.1	151.5(4.89)	135.2(4.36)	0.0	32.06	5.96	6.0	0.897	67.00	17.44	11.00	930.00
600		9	30	930.0	1736.1	179.3(5.98)	166.8(5.56)	0.0	40.87	7.36	6.0	0.897	67.00	22.24	11.00	930.00
						624.9(20.53)	573.7(18.82)	0.1	105.78	25.77		0.898	2026.	1730.	11.00	924.85
						9315.7(305.97)	9168.8(301.28)	68.8	1469.37	409.42		0.897	24300.	24102.	11.00	925.14

N= 1 PMAX= 125.00 E= 409.40 ESUM= 409.42
PF100= 32.06 PF95= 113.05 PF90= 118.23
EF100= 70.20 EF95= 247.58 EF90= 258.93
ES100= 339.20 ES95= 161.83 ES90= 150.47
UF = 37.384 (%) QUMAX = 67.000

*** SEMW *** N= 1

1 125.00	2 125.00	3 125.00	4 125.00	5 125.00	6 125.00	7 125.00	8 125.00	9 125.00	10 125.00
11 125.00	12 125.00	13 125.00	14 125.00	15 125.00	16 125.00	17 125.00	18 125.00	19 125.00	20 125.00
21 125.00	22 125.00	23 125.00	24 125.00	25 125.00	26 125.00	27 125.00	28 125.00	29 125.00	30 125.00
31 125.00	32 125.00	33 125.00	34 125.00	35 125.00	36 125.00	37 125.00	38 125.00	39 125.00	40 125.00
41 125.00	42 125.00	43 125.00	44 125.00	45 125.00	46 125.00	47 125.00	48 125.00	49 125.00	50 125.00
51 125.00	52 125.00	53 125.00	54 125.00	55 125.00	56 125.00	57 125.00	58 125.00	59 125.00	60 125.00
61 125.00	62 125.00	63 125.00	64 125.00	65 125.00	66 125.00	67 125.00	68 125.00	69 125.00	70 125.00
71 125.00	72 125.00	73 125.00	74 125.00	75 125.00	76 125.00	77 125.00	78 125.00	79 125.00	80 125.00
81 125.00	82 125.00	83 125.00	84 125.00	85 125.00	86 125.00	87 125.00	88 125.00	89 125.00	90 125.00
91 125.00	92 125.00	93 125.00	94 125.00	95 125.00	96 125.00	97 125.00	98 125.00	99 125.00	100 125.00
101 125.00	102 125.00	103 125.00	104 125.00	105 125.00	106 125.00	107 125.00	108 125.00	109 125.00	110 125.00
111 125.00	112 125.00	113 125.00	114 125.00	115 125.00	116 125.00	117 125.00	118 125.00	119 125.00	120 125.00
121 125.00	122 125.00	123 125.00	124 125.00	125 125.00	126 125.00	127 125.00	128 125.00	129 125.00	130 125.00
131 125.00	132 125.00	133 125.00	134 125.00	135 125.00	136 125.00	137 125.00	138 125.00	139 125.00	140 125.00
141 125.00	142 125.00	143 125.00	144 125.00	145 125.00	146 125.00	147 125.00	148 125.00	149 125.00	150 125.00
151 125.00	152 125.00	153 125.00	154 125.00	155 125.00	156 125.00	157 125.00	158 125.00	159 125.00	160 125.00
161 125.00	162 125.00	163 125.00	164 125.00	165 125.00	166 125.00	167 125.00	168 125.00	169 125.00	170 125.00

171	125.00	172	125.00	173	125.00	174	125.00	175	125.00	176	125.00	177	125.00	178	125.00	179	125.00	180	125.00	
181	125.00	182	125.00	183	125.00	184	125.00	185	125.00	186	125.00	187	125.00	188	125.00	189	125.00	190	125.00	
191	125.00	192	125.00	193	125.00	194	125.00	195	125.00	196	125.00	197	125.00	198	125.00	199	125.00	200	125.00	
201	125.00	202	125.00	203	125.00	204	125.00	205	125.00	206	125.00	207	125.00	208	125.00	209	125.00	210	125.00	
211	125.00	212	125.00	213	125.00	214	125.00	215	125.00	216	125.00	217	125.00	218	125.00	219	125.00	220	125.00	
221	125.00	222	125.00	223	125.00	224	125.00	225	125.00	226	125.00	227	125.00	228	125.00	229	125.00	230	125.00	
231	125.00	232	125.00	233	125.00	234	125.00	235	125.00	236	125.00	237	125.00	238	125.00	239	125.00	240	125.00	
241	125.00	242	125.00	243	125.00	244	125.00	245	125.00	246	125.00	247	125.00	248	125.00	249	125.00	250	125.00	
251	125.00	252	125.00	253	125.00	254	125.00	255	125.00	256	125.00	257	125.00	258	125.00	259	125.00	260	125.00	
261	125.00	262	125.00	263	125.00	264	125.00	265	125.00	266	125.00	267	125.00	268	125.00	269	125.00	270	125.00	
271	125.00	272	125.00	273	125.00	274	125.00	275	125.00	276	125.00	277	125.00	278	125.00	279	125.00	280	125.00	
281	125.00	282	125.00	283	125.00	284	125.00	285	125.00	286	125.00	287	125.00	288	125.00	289	125.00	290	125.00	
291	125.00	292	125.00	293	125.00	294	125.00	295	125.00	296	125.00	297	125.00	298	125.00	299	125.00	300	125.00	
301	125.00	302	125.00	303	125.00	304	125.00	305	125.00	306	125.00	307	124.92	308	124.90	309	124.90	310	124.89	
311	124.86	312	124.82	313	124.82	314	124.80	315	124.79	316	124.79	317	124.76	318	124.72	319	124.68	320	124.68	
321	124.67	322	124.67	323	124.66	324	124.61	325	124.60	326	124.58	327	124.58	328	124.57	329	124.56	330	124.56	
331	124.52	332	124.51	333	124.50	334	124.47	335	124.46	336	124.46	337	124.44	338	124.41	339	124.38	340	124.37	
341	124.36	342	124.36	343	124.35	344	124.32	345	124.29	346	124.28	347	124.27	348	124.26	349	124.24	350	124.23	
351	124.21	352	124.18	353	124.07	354	124.06	355	124.03	356	124.02	357	123.96	358	123.93	359	123.90	360	123.90	
361	123.87	362	123.87	363	123.86	364	123.81	365	123.78	366	123.76	367	123.75	368	123.75	369	123.72	370	123.71	
371	123.70	372	123.69	373	123.65	374	123.61	375	123.61	376	123.56	377	123.56	378	123.50	379	123.47	380	123.45	
381	123.43	382	123.43	383	123.38	384	123.38	385	123.38	386	123.36	387	123.27	388	123.25	389	123.24	390	123.23	
391	123.20	392	123.19	393	123.18	394	123.18	395	123.13	396	123.10	397	123.07	398	123.06	399	123.05	400	123.02	
401	123.02	402	123.01	403	123.01	404	123.00	405	122.99	406	122.99	407	122.92	408	122.87	409	122.86	410	122.86	
411	122.84	412	122.83	413	122.83	414	122.83	415	122.82	416	122.81	417	122.81	418	122.80	419	122.79	420	122.74	
421	122.73	422	122.73	423	122.73	424	122.71	425	122.70	426	122.67	427	122.63	428	122.62	429	122.62	430	122.62	
431	122.59	432	122.59	433	122.58	434	122.57	435	122.57	436	122.56	437	122.53	438	122.46	439	122.45	440	122.44	
441	122.43	442	122.42	443	122.39	444	122.37	445	122.33	446	122.32	447	122.31	448	122.28	449	122.27	450	122.26	
451	122.24	452	122.23	453	122.21	454	122.19	455	122.18	456	122.15	457	122.14	458	122.12	459	122.12	460	122.12	
461	122.11	462	122.10	463	122.07	464	122.06	465	122.06	466	122.06	467	122.02	468	122.02	469	122.02	470	122.02	
471	122.00	472	122.00	473	121.98	474	121.98	475	121.98	476	121.97	477	121.95	478	121.94	479	121.93	480	121.91	
481	121.89	482	121.89	483	121.86	484	121.85	485	121.85	486	121.84	487	121.81	488	121.77	489	121.76	490	121.71	
491	121.68	492	121.67	493	121.67	494	121.65	495	121.59	496	121.55	497	121.55	498	121.55	499	121.42	500	121.38	
501	121.32	502	121.28	503	121.21	504	121.20	505	121.18	506	121.17	507	121.16	508	121.11	509	121.02	510	120.97	
511	120.97	512	120.88	513	120.83	514	120.82	515	120.81	516	120.73	517	120.72	518	120.70	519	120.68	520	120.62	
521	120.59	522	120.30	523	120.28	524	120.07	525	119.98	526	119.87	527	119.81	528	119.75	529	119.52	530	119.44	
531	119.43	532	119.36	533	119.28	534	119.07	535	118.85	536	118.84	537	118.66	538	118.53	539	118.30	540	118.23	
541	118.05	542	118.02	543	117.67	544	117.47	545	117.42	546	117.40	547	117.29	548	117.28	549	116.79	550	116.70	
551	116.62	552	116.15	553	115.89	554	115.41	555	115.36	556	115.03	557	115.00	558	114.95	559	114.81	560	114.75	
561	114.56	562	114.47	563	114.45	564	113.95	565	113.85	566	113.76	567	113.74	568	113.50	569	113.45	570	113.05	
571	112.95	572	112.93	573	112.87	574	112.80	575	112.64	576	112.57	577	112.52	578	112.45	579	112.33	580	112.33	
581	112.11	582	111.78	583	111.78	584	111.75	585	111.68	586	111.66	587	111.56	588	111.47	589	111.47	590	111.31	
591	111.17	592	108.42	593	105.99	594	104.11	595	100.62	596	85.81	597	85.14	598	40.87	599	39.07	600	32.06	

* MONTHLY INFLOW (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	46.75	42.29	39.41	65.55	115.29	133.35	155.00	211.50	129.80	67.05	39.70	36.40	1082.08
2	1941	40.50	52.45	43.35	79.70	118.57	132.93	145.22	291.22	241.42	90.43	43.88	38.14	1317.81
3	1942	40.75	39.47	39.74	38.79	34.81	39.12	135.35	167.21	107.26	57.15	38.67	35.23	773.55
4	1943	37.90	37.77	38.27	37.81	85.81	132.77	143.07	207.95	164.45	83.97	43.90	38.10	1051.77
5	1944	39.79	39.22	38.42	38.22	34.00	51.96	130.67	171.46	162.30	67.60	38.86	35.92	848.43
6	1945	37.95	37.26	38.00	37.74	34.03	124.64	134.51	181.67	221.08	113.73	77.51	48.86	1086.98
7	1946	67.28	55.15	43.90	43.35	38.96	70.59	129.48	124.59	100.81	57.33	37.44	36.58	805.47
8	1947	38.50	40.38	38.97	38.25	53.02	132.70	133.58	179.93	192.23	74.05	43.67	42.65	1007.92
9	1948	39.98	38.38	38.91	37.86	33.88	46.91	133.77	186.06	139.62	40.42	37.85	36.37	810.01
10	1949	38.75	37.10	37.53	37.26	33.78	86.26	148.09	185.66	146.76	64.32	39.00	36.08	890.59
11	1950	41.64	38.90	39.05	38.80	34.64	100.81	146.19	176.64	154.91	70.75	39.84	39.67	921.85
12	1951	73.89	52.12	43.77	69.53	123.18	131.13	153.27	187.79	161.52	97.69	50.41	38.94	1183.25
13	1952	39.56	38.31	39.57	39.05	45.00	133.93	140.05	186.48	158.14	87.43	50.50	38.30	996.32
14	1953	39.08	38.42	38.98	38.63	90.72	135.42	133.65	192.13	241.84	189.99	70.43	51.15	1260.45
15	1954	41.93	42.00	39.74	38.72	34.50	39.32	102.78	163.27	101.47	36.87	34.54	33.44	708.58
16	1955	36.52	35.69	37.50	36.99	35.77	39.38	48.76	111.01	150.74	77.67	40.40	37.81	688.24
17	1956	40.13	37.90	38.77	38.38	35.16	61.89	140.51	164.71	145.95	70.75	38.55	37.27	849.97
18	1957	39.60	39.35	39.21	38.56	34.58	39.66	45.28	146.97	146.52	60.68	38.48	37.40	706.29
19	1958	38.85	37.18	37.97	38.06	33.89	39.78	137.57	173.08	147.68	57.72	47.11	39.03	827.92
20	1959	50.03	48.78	40.05	39.41	37.36	119.50	150.45	172.96	139.46	90.59	54.38	39.05	982.02
21	1960	36.52	35.68	36.90	36.16	32.46	36.16	39.40	50.56	39.73	32.67	31.60	30.67	438.50
22	1961	33.88	33.93	35.75	35.09	31.76	38.27	47.51	65.35	48.45	40.15	35.45	33.66	479.24
23	1962	34.76	34.24	35.11	35.38	31.82	56.72	149.69	226.26	284.60	153.09	103.81	38.17	1183.65
24	1963	51.73	48.78	39.20	40.35	117.28	127.70	146.00	194.19	190.22	67.14	37.24	35.62	1095.44
25	1964	36.96	35.65	36.84	35.71	32.15	41.50	59.66	153.23	118.09	52.42	38.19	35.31	675.70
26	1965	40.49	36.93	37.78	37.76	34.33	39.12	143.07	169.41	74.75	37.26	35.17	34.84	720.90
27	1966	37.04	35.45	35.91	35.66	31.66	36.05	41.49	150.31	104.19	117.34	50.89	36.94	712.94
28	1967	38.64	37.53	38.30	37.64	105.00	130.12	210.55	460.82	246.92	83.66	40.31	37.66	1467.16
29	1968	39.27	39.03	38.08	36.62	64.18	134.75	155.83	197.02	77.96	36.95	36.76	35.31	891.76
30	1969	39.57	36.38	37.56	36.57	32.76	38.25	61.86	92.81	38.67	38.08	35.08	34.63	522.21
31	1970	36.40	34.84	35.09	35.01	31.08	37.01	44.24	86.39	100.66	35.80	41.34	33.71	551.57
32	1971	36.18	35.42	36.44	35.72	33.78	37.15	58.03	139.04	139.62	47.27	36.46	37.27	672.37
33	1972	38.99	37.40	37.26	37.01	34.27	38.36	57.62	159.02	143.46	42.43	34.84	34.54	695.18
34	1973	38.31	36.85	36.10	35.22	31.84	37.68	41.46	96.34	57.09	35.52	35.25	37.29	518.94
35	1974	35.23	34.34	36.18	35.91	31.71	36.73	48.76	53.73	44.29	36.95	34.18	34.12	462.12
36	1975	36.87	35.47	34.59	35.05	32.85	39.66	101.76	193.27	148.23	67.60	38.03	36.77	800.14
37	1976	38.87	37.21	38.00	36.71	33.80	60.09	137.57	159.26	86.49	37.74	35.57	35.58	736.88
38	1977	37.35	35.93	36.52	36.49	34.09	85.54	138.00	173.62	107.59	36.44	34.97	34.40	790.94
39	1978	36.44	35.61	36.59	36.44	33.44	37.75	49.16	139.17	137.02	55.03	35.53	34.30	666.49
40	1979	38.68	39.78	38.59	37.60	34.97	96.32	152.16	148.68	36.62	34.71	35.62	34.23	727.95
41	1980	36.21	35.02	35.97	35.78	32.47	36.65	43.47	90.88	148.65	37.10	35.78	34.59	602.56
42	1981	36.28	35.83	35.51	37.81	34.51	38.21	72.97	182.75	57.69	15.68	23.36	34.36	604.96
43	1982	35.95	34.55	35.01	35.41	33.51	38.26	43.11	40.09	39.51	31.37	31.55	36.77	435.09
44	1983	36.22	37.95	36.97	36.48	33.86	38.05	76.92	171.08	80.59	38.33	39.35	36.35	662.15
45	1984	36.11	36.07	35.51	39.61	34.41	39.61	93.17	116.61	33.17	35.63	34.37	34.78	569.04
46	1985	34.01	36.27	35.71	37.01	35.11	37.61	70.84	143.48	128.46	37.50	37.25	31.87	665.10
47	1986	33.91	37.62	36.51	39.71	61.44	128.10	140.19	228.56	101.59	47.21	32.51	35.17	922.51
48	1987	36.69	36.14	36.37	36.15	39.61	126.40	140.22	168.32	176.46	120.49	38.32	36.98	992.15
49	1988	39.52	36.94	37.15	36.43	32.69	40.42	122.45	51.34	34.06	34.18	34.04	33.71	532.92
50	1989	37.26	35.91	37.11	35.68	32.35	39.62	128.31	166.96	73.44	32.71	13.09	15.50	647.93
	TOTAL	1993.60	1927.03	1889.60	1968.74	2302.14	3539.82	5402.73	8050.84	6252.21	3074.56	2030.92	1811.65	40243.90
	AVE	39.87	38.54	37.79	39.37	46.04	70.80	108.05	161.02	125.04	61.49	40.62	36.23	804.88
	MAX	73.89	55.15	43.90	79.70	123.18	135.42	210.55	460.82	284.60	189.99	103.81	51.15	1467.16
	MIN	33.88	33.93	34.59	35.01	31.08	36.05	39.40	40.09	33.17	15.68	13.09	15.50	435.09

* MONTHLY OUTFLOW (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	48.21	51.84	48.21	48.21	116.12	155.35	165.89	173.35	165.89	48.21	48.21	46.66	1116.15
2	1941	48.21	46.66	64.28	58.92	161.56	176.05	165.19	175.77	205.27	91.07	48.21	46.66	1287.84
3	1942	48.21	46.66	48.21	48.21	43.55	44.51	114.05	176.77	57.02	53.57	48.21	46.66	775.63
4	1943	48.21	46.66	48.21	44.51	41.64	128.56	165.89	171.42	165.89	80.35	44.51	43.08	1028.94
5	1944	44.51	43.08	44.51	44.51	40.21	44.51	103.68	171.42	160.70	64.28	44.51	43.08	849.02
6	1945	44.51	43.08	44.51	44.51	40.21	91.07	169.52	179.45	173.66	149.99	48.21	51.84	1080.58
7	1946	53.57	51.84	44.51	44.51	40.21	69.64	171.07	133.92	46.66	53.57	44.51	43.08	797.09
8	1947	44.51	43.08	44.51	44.51	41.64	107.14	155.52	176.77	173.66	69.64	44.51	43.08	988.59
9	1948	44.51	43.08	44.51	44.51	40.21	44.51	114.05	174.04	139.97	44.51	44.51	43.08	821.51
10	1949	44.51	43.08	44.51	44.51	40.21	44.51	145.15	176.77	155.52	53.57	44.51	43.08	879.95
11	1950	44.51	43.08	44.51	44.51	40.21	58.92	145.15	176.77	173.66	58.92	48.21	46.66	925.14
12	1951	48.21	51.84	44.51	69.64	120.27	133.92	173.66	179.45	171.07	69.64	48.21	43.08	1153.51
13	1952	44.51	43.08	44.51	44.51	40.21	112.49	150.34	176.77	173.66	69.64	48.21	43.08	991.03
14	1953	44.51	43.08	44.51	44.51	72.58	176.77	172.24	175.68	173.66	179.45	69.64	51.84	1248.49
15	1954	44.51	43.08	44.51	44.51	40.21	44.51	77.76	166.06	93.31	44.51	44.51	43.08	730.59
16	1955	44.51	43.08	44.51	44.51	41.64	44.51	43.08	44.51	155.52	69.64	44.51	43.08	663.13
17	1956	44.51	43.08	44.51	44.51	40.21	44.51	119.23	166.06	155.52	53.86	44.51	43.08	843.61
18	1957	44.51	43.08	44.51	44.51	40.21	44.51	43.08	166.06	93.31	48.21	44.51	43.08	699.60
19	1958	44.51	43.08	44.51	44.51	40.21	44.51	88.13	171.42	150.34	53.57	48.21	46.66	819.66
20	1959	44.51	43.08	44.51	44.51	41.64	107.14	150.34	171.49	173.66	53.57	49.57	37.97	961.99
21	1960	35.97	35.57	36.90	41.50	40.21	44.45	42.61	43.73	41.99	43.14	43.21	42.11	491.39
22	1961	44.04	42.98	44.51	44.51	40.21	44.47	42.70	43.88	42.15	43.32	43.37	42.22	518.37
23	1962	44.09	42.99	44.51	44.51	40.21	44.51	161.50	174.83	184.58	160.70	96.42	46.66	1085.53
24	1963	44.51	43.08	44.51	44.51	110.25	133.92	171.07	179.45	173.66	64.28	44.51	43.08	1096.85
25	1964	44.51	43.08	44.51	44.51	40.21	44.51	43.08	144.63	77.76	53.57	44.51	43.08	667.98
26	1965	44.51	43.08	44.51	44.51	40.21	44.51	88.13	179.45	62.21	44.51	44.51	43.08	723.24
27	1966	44.51	43.08	44.51	44.51	40.21	44.51	43.08	96.42	129.60	64.28	48.21	46.66	689.60
28	1967	48.21	46.66	48.21	48.21	155.35	172.86	166.75	358.16	245.78	85.71	44.51	46.66	1467.07
29	1968	48.21	46.66	48.21	48.21	43.55	107.14	165.89	176.77	77.76	44.51	44.51	43.08	894.50
30	1969	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	43.08	44.51	44.51	43.08	524.13
31	1970	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	51.84	44.51	48.21	46.66	540.16
32	1971	48.21	46.66	44.51	44.51	41.64	44.51	43.08	85.71	119.23	48.21	48.21	46.66	661.15
33	1972	48.21	46.66	48.21	44.51	40.21	44.51	43.08	101.78	135.08	44.51	44.51	43.08	684.36
34	1973	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	46.66	46.97	43.18	42.08	527.82
35	1974	44.01	42.98	44.51	44.51	40.21	44.46	42.68	43.84	42.13	43.30	43.35	42.21	518.21
36	1975	44.09	42.99	44.51	44.51	41.64	44.47	43.08	107.14	145.15	64.28	44.51	43.08	709.47
37	1976	44.51	43.08	44.51	44.51	40.21	44.51	108.86	179.45	57.70	44.51	48.21	46.66	746.75
38	1977	48.21	46.66	44.51	44.51	40.21	44.51	103.68	171.42	103.99	44.51	48.21	46.66	787.09
39	1978	48.21	46.66	44.51	44.51	40.21	44.51	43.08	64.28	129.60	53.57	44.51	43.08	646.74
40	1979	44.51	43.08	48.21	48.21	41.64	44.51	145.15	145.05	43.08	48.21	48.21	46.66	746.54
41	1980	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	93.61	44.51	48.21	46.66	581.93
42	1981	48.21	46.66	44.51	44.51	40.21	44.51	43.08	133.92	47.27	14.23	30.93	42.02	580.07
43	1982	43.99	42.97	44.51	44.51	40.21	44.46	42.66	43.81	42.12	43.30	43.37	42.23	518.14
44	1983	44.09	42.99	44.51	44.51	41.64	44.47	43.08	64.28	72.58	44.51	44.51	43.08	574.28
45	1984	44.51	46.66	48.21	44.51	40.21	44.51	46.66	91.07	43.08	44.51	44.51	43.08	581.53
46	1985	44.51	43.08	44.51	44.51	40.21	44.51	43.08	107.14	99.54	44.51	44.51	43.08	643.21
47	1986	44.51	43.08	48.21	44.51	40.21	112.49	170.82	174.13	98.50	44.56	44.51	43.08	908.62
48	1987	44.51	43.08	44.51	44.51	41.64	75.00	134.78	171.42	173.66	117.85	44.51	43.08	978.57
49	1988	48.21	46.66	48.21	48.21	40.21	44.51	57.02	48.21	43.08	44.51	44.51	43.08	556.43
50	1989	44.51	43.08	44.51	44.51	40.21	44.51	43.08	160.76	72.29	31.26	11.68	14.41	594.84
	TOTAL	2271.52	2215.09	2274.86	2284.44	2524.83	3431.65	4927.06	6772.72	5696.68	3014.70	2310.76	2182.15	39906.51
	AVE	45.43	44.30	45.50	45.69	50.50	68.63	98.54	135.45	113.93	60.29	46.22	43.64	798.13
	MAX	53.57	51.84	64.28	69.64	161.56	176.77	173.66	358.16	245.78	179.45	96.42	51.84	1467.07
	MIN	35.97	35.57	36.90	41.50	40.21	44.45	42.61	43.73	41.99	14.23	11.68	14.41	491.39

* MONTHLY QQ (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	48.21	51.84	48.21	48.21	116.12	155.35	165.89	172.97	165.89	48.21	48.21	46.66	1115.76
2	1941	48.21	46.66	64.28	58.92	161.56	176.05	165.19	175.77	173.66	91.07	48.21	46.66	1256.24
3	1942	48.21	46.66	48.21	48.21	43.55	44.51	114.05	176.77	57.02	53.57	48.21	46.66	775.63
4	1943	48.21	46.66	48.21	44.51	41.64	128.56	165.89	171.42	165.89	80.35	44.51	43.08	1028.94
5	1944	44.51	43.08	44.51	44.51	40.21	44.51	103.68	171.42	160.70	64.28	44.51	43.08	849.02
6	1945	44.51	43.08	44.51	44.51	40.21	91.07	169.52	179.45	173.66	149.99	48.21	51.84	1080.58
7	1946	53.57	51.84	44.51	44.51	40.21	69.64	171.07	133.92	46.66	53.57	44.51	43.08	797.09
8	1947	44.51	43.08	44.51	44.51	41.64	107.14	155.52	176.77	173.66	69.64	44.51	43.08	988.59
9	1948	44.51	43.08	44.51	44.51	40.21	44.51	114.05	173.89	139.97	44.51	44.51	43.08	821.36
10	1949	44.51	43.08	44.51	44.51	40.21	44.51	145.15	176.77	155.52	53.57	44.51	43.08	879.95
11	1950	44.51	43.08	44.51	44.51	40.21	58.92	145.15	176.77	173.66	58.92	48.21	46.66	925.14
12	1951	48.21	51.84	44.51	69.64	120.27	133.92	173.66	179.45	171.07	69.64	48.21	43.08	1153.51
13	1952	44.51	43.08	44.51	44.51	40.21	112.49	150.34	176.77	173.66	69.64	48.21	43.08	991.03
14	1953	44.51	43.08	44.51	44.51	72.58	176.77	172.24	175.68	173.66	179.45	69.64	51.84	1248.49
15	1954	44.51	43.08	44.51	44.51	40.21	44.51	77.76	166.06	93.31	44.51	44.51	43.08	730.59
16	1955	44.51	43.08	44.51	44.51	41.64	44.51	43.08	44.51	155.52	69.64	44.51	43.08	663.13
17	1956	44.51	43.08	44.51	44.51	40.21	44.51	119.23	166.06	155.52	53.57	44.51	43.08	843.32
18	1957	44.51	43.08	44.51	44.51	40.21	44.51	43.08	166.06	93.31	48.21	44.51	43.08	699.60
19	1958	44.51	43.08	44.51	44.51	40.21	44.51	88.13	171.42	150.34	53.57	48.21	46.66	819.66
20	1959	44.51	43.08	44.51	44.51	41.64	107.14	150.34	171.49	173.66	53.57	49.57	37.97	961.99
21	1960	35.97	35.57	36.90	41.50	40.21	44.45	42.61	43.73	41.99	43.14	43.21	42.11	491.39
22	1961	44.04	42.98	44.51	44.51	40.21	44.47	42.70	43.88	42.15	43.32	43.37	42.22	518.37
23	1962	44.09	42.99	44.51	44.51	40.21	44.51	161.50	174.83	173.66	160.70	96.42	46.66	1074.61
24	1963	44.51	43.08	44.51	44.51	110.25	133.92	171.07	179.45	173.66	64.28	44.51	43.08	1096.85
25	1964	44.51	43.08	44.51	44.51	40.21	44.51	43.08	144.63	77.76	53.57	44.51	43.08	667.98
26	1965	44.51	43.08	44.51	44.51	40.21	44.51	88.13	179.45	62.21	44.51	44.51	43.08	723.24
27	1966	44.51	43.08	44.51	44.51	40.21	44.51	43.08	96.42	129.60	64.28	48.21	46.66	689.60
28	1967	48.21	46.66	48.21	48.21	155.35	172.86	166.75	179.45	173.66	85.71	44.51	46.66	1216.24
29	1968	48.21	46.66	48.21	48.21	43.55	107.14	165.89	176.77	77.76	44.51	44.51	43.08	894.50
30	1969	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	43.08	44.51	44.51	43.08	524.13
31	1970	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	51.84	44.51	48.21	46.66	540.16
32	1971	48.21	46.66	44.51	44.51	41.64	44.51	43.08	85.71	119.23	48.21	48.21	46.66	661.15
33	1972	48.21	46.66	48.21	44.51	40.21	44.51	43.08	101.78	134.78	44.51	44.51	43.08	684.07
34	1973	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	46.66	46.97	43.18	42.08	527.82
35	1974	44.01	42.98	44.51	44.51	40.21	44.46	42.68	43.84	42.13	43.30	43.35	42.21	518.21
36	1975	44.09	42.99	44.51	44.51	41.64	44.47	43.08	107.14	145.15	64.28	44.51	43.08	709.47
37	1976	44.51	43.08	44.51	44.51	40.21	44.51	108.86	179.45	57.02	44.51	48.21	46.66	746.07
38	1977	48.21	46.66	44.51	44.51	40.21	44.51	103.68	171.42	103.68	44.51	48.21	46.66	786.78
39	1978	48.21	46.66	44.51	44.51	40.21	44.51	43.08	64.28	129.60	53.57	44.51	43.08	646.74
40	1979	44.51	43.08	48.21	48.21	41.64	44.51	145.15	144.63	43.08	48.21	48.21	46.66	746.12
41	1980	44.51	43.08	44.51	44.51	40.21	44.51	43.08	44.51	93.31	44.51	48.21	46.66	581.63
42	1981	48.21	46.66	44.51	44.51	40.21	44.51	43.08	133.92	47.27	14.23	30.93	42.02	580.07
43	1982	43.99	42.97	44.51	44.51	40.21	44.46	42.66	43.81	42.12	43.30	43.37	42.23	518.14
44	1983	44.09	42.99	44.51	44.51	41.64	44.47	43.08	64.28	72.58	44.51	44.51	43.08	574.28
45	1984	44.51	46.66	48.21	44.51	40.21	44.51	46.66	91.07	43.08	44.51	44.51	43.08	581.53
46	1985	44.51	43.08	44.51	44.51	40.21	44.51	43.08	107.14	98.50	44.51	44.51	43.08	642.17
47	1986	44.51	43.08	48.21	44.51	40.21	112.49	170.82	174.13	98.50	44.51	44.51	43.08	908.57
48	1987	44.51	43.08	44.51	44.51	41.64	75.00	134.78	171.42	173.66	117.85	44.51	43.08	978.57
49	1988	48.21	46.66	48.21	48.21	40.21	44.51	57.02	48.21	43.08	44.51	44.51	43.08	556.43
50	1989	44.51	43.08	44.51	44.51	40.21	44.51	43.08	160.70	72.29	31.26	11.68	14.41	594.78
	TOTAL	2271.52	2215.09	2274.86	2284.44	2524.83	3431.65	4927.06	6593.00	5579.42	3014.37	2310.76	2182.15	39609.20
	AVE	45.43	44.30	45.50	45.69	50.50	68.63	98.54	131.86	111.59	60.29	46.22	43.64	792.18
	MAX	53.57	51.84	64.28	69.64	161.56	176.77	173.66	179.45	173.66	179.45	96.42	51.84	1256.24
	MIN	35.97	35.57	36.90	41.50	40.21	44.45	42.61	43.73	41.99	14.23	11.68	14.41	491.39

* MONTHLY OUT (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0	0.0	0.0	0.0	0.39
2	1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.60	0.0	0.0	0.0	31.60
3	1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.15
10	1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.0	0.0	0.29
18	1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
21	1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.92	0.0	0.0	0.0	10.92
24	1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.71	72.12	0.0	0.0	0.0	250.83
29	1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.30
34	1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.68
38	1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.0	0.0	0.0	0.31
39	1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.42
41	1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.30
42	1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00
43	1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	1.04
47	1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.04
48	1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.00	0.0	0.00	0.0	0.06
	TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179.73	117.26	0.33	0.00	0.0	297.32
	AVE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.59	2.35	0.01	0.00	0.0	5.95
	MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.71	72.12	0.29	0.00	0.0	250.83
	MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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ﾀｲﾄﾙ :  OLTU RIVER YUSUFERI PROJECT

ｻｲﾀﾞｲ ｽｲｲ        (HMAX)  :   710.00
ｻｲﾃｲ  ｽｲｲ        (HMIN)  :   670.00
ｷｼﾞｭﾝ ｼｭﾂｽｲｲ     (HNWL)  :   696.67
ｷｼﾞｭﾝ ﾎｳｽｲｲ      (HTWL)  :   500.40
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ (QMAXO) :   321.00
ｻｲｼｮｳ ﾎｳﾘｭｳﾘｮｳ (QMINO) :    80.25

ｻｲﾀﾞｲ ﾁﾖｽｲﾘｮｳ   (VMAXO) :     0.10800E+10
ｻｲﾃｲ  ﾁﾖｽｲﾘｮｳ   (VMINO) :     0.0
ｻｲﾀﾞｲ ﾁﾖｽｲﾘｮｳ   (SMAXO) : 12500.00
ｻｲﾃｲ  ﾁﾖｽｲﾘｮｳ   (SMINO) :     0.0

ｽﾀｰﾄ ｶｲｼ        * KST   =     1
ｷｾﾂ ｸﾌﾞﾝｽｳ      * KMAX  =   600
ﾁﾖｽｲ ｸﾌﾞﾝﾘﾖｳ    * DELTS = 250.00
ﾎｳﾘｭｳ ｸﾌﾞﾝﾘﾖｳ  * DELTQ =  10.00

ﾊﾂﾃﾞﾝｷ ﾀﾞｲｽｳ    * NP    =     1
N ﾀﾞﾝｶｲ ｳﾝﾃﾝ    * NDAN  =     1
ﾋﾟｰｸ ｼﾞｶﾝ       * TPEAK =    6.00
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ* QMAX  =  321.00
ｻｲﾃｲ  ﾎｳﾘｭｳﾘｮｳ* QMIN  =   80.25
ﾋﾟｰｸ ｼﾞｶﾝ       * TPEAK =    0.0
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ* QMAX  =    0.0
ｻｲﾃｲ  ﾎｳﾘｭｳﾘｮｳ* QMIN  =    0.0

ﾕｳｺｳ ｽｲｲ ﾛｽ     * WZN   = 0.013
                 * WZD   = 5.200
                 * WZL   =9100.0
                 * TZN   = 0.012
                 * TZD   = 4.100
                 * TZL   = 380.0
                 * HLOSS =    5.50

ｺｳﾘﾂ ｹｲｽｳ        * MET   =  2
                 * MEG   =  2
                 * MEH   =  3

ｽｲｼｬ ｺｳﾘﾂ ｹｲｽｳ
Q/QMAX  ( EATERT )  0.0      1.00000  1.00000  1.00000

ﾊﾂﾃﾞﾝｷ ｺｳﾘﾂ ｹｲｽｳ
PT/PTMAX (EATERG )  0.0      1.00000  1.00000  1.00000

ﾍﾝﾗｸｻ ｺｳﾘﾂ ｹｲｽｳ
HE/HES  ( EATERH )  0.86020  0.88800  1.00000  0.90000  1.06987  0.90000

ｽｲｲ ｸﾌﾞﾝ ｽｳ    * RANK  =  3
  1 -9999.00 -9999.00     0.1824450D+01 -0.2208197D+04  0.6604961D+06
  2   690.00  5461.11     0.2427050D+01 -0.3045926D+04  0.9516312D+06
  3  9999.00 99999.00     0.0            0.0            0.0

ｴﾘｱ ｸﾌﾞﾝ ｽｳ    * RARE  =  2
  1 -9999.00 -9999.00     0.0            0.0            0.1000000D+03
  2  9999.00  9999.00     0.0            0.0            0.0

ｼﾞｮｳﾊﾂﾘﾖｳ       * EM    =  0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0
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タイトル : OLTU RIVER YUSUFELI ﾘｭｳﾛｺｳﾘｭｳｺｳ ﾃﾞｰﾀ

Yusufeli Project

NO.	ﾈﾝ	10ｶﾞﾂ	11ｶﾞﾂ	12ｶﾞﾂ	1ｶﾞﾂ	2ｶﾞﾂ	3ｶﾞﾂ	4ｶﾞﾂ	5ｶﾞﾂ	6ｶﾞﾂ	7ｶﾞﾂ	8ｶﾞﾂ	9ｶﾞﾂ
1	1940	76.62	81.91	80.89	67.45	53.96	90.87	374.48	675.97	240.79	104.24	59.75	43.86
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
2	1941	69.19	129.35	93.26	56.71	72.24	103.69	476.07	506.42	239.61	115.60	62.48	52.47
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
3	1942	54.29	64.45	60.77	47.19	44.14	52.37	164.77	238.05	162.40	85.40	53.46	42.99
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
4	1943	42.20	46.48	44.46	39.20	44.47	94.71	161.71	540.38	287.10	158.45	60.15	48.14
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
5	1944	40.28	46.24	33.43	30.15	29.68	36.00	122.25	223.90	191.71	82.51	41.51	33.05
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
6	1945	33.11	33.27	31.35	28.15	30.57	47.22	148.68	244.02	223.34	106.30	66.20	43.16
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
7	1946	59.20	46.11	36.45	35.78	40.28	101.13	150.53	118.12	101.73	50.68	33.11	30.28
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
8	1947	33.42	55.59	36.60	34.69	34.81	36.15	159.14	240.86	231.72	72.56	42.79	41.53
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
9	1948	36.52	33.76	28.66	27.62	27.44	43.05	99.54	227.15	137.39	47.21	34.75	31.85
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
10	1949	31.01	29.12	26.70	25.34	28.43	56.55	195.32	241.53	141.90	76.06	39.25	29.45
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
11	1950	46.12	39.89	33.86	31.56	32.10	45.41	154.49	191.34	174.80	73.04	42.73	44.61
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
12	1951	70.46	55.55	40.89	37.69	44.30	53.30	208.43	227.93	178.63	100.58	47.51	36.68
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
13	1952	30.66	29.95	27.39	25.39	29.31	33.85	144.71	235.10	187.64	87.38	49.04	46.32
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
14	1953	36.40	37.28	29.84	30.09	36.40	61.60	203.41	319.24	256.50	132.99	57.93	44.54
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
15	1954	37.05	34.50	31.37	26.21	29.20	38.90	88.23	141.36	90.32	33.74	23.27	23.14
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
16	1955	22.08	22.90	24.46	22.70	33.86	40.84	151.18	188.66	181.16	81.80	38.64	32.61
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
17	1956	27.84	26.48	23.69	20.35	30.64	74.77	157.75	227.13	204.79	84.24	39.80	33.34
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
18	1957	30.73	32.49	30.26	26.96	29.88	55.61	161.34	231.14	186.25	73.71	36.71	36.80
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
19	1958	32.54	32.32	31.98	31.90	27.56	61.25	165.32	279.30	231.62	98.20	53.55	42.85
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
20	1959	51.51	48.61	37.79	63.29	108.00	149.00	367.37	410.86	265.09	133.00	62.88	39.71
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
21	1960	34.92	31.86	29.07	21.35	24.65	41.04	155.35	179.65	130.10	37.64	21.12	20.78
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
22	1961	21.56	27.05	38.81	29.74	35.31	117.06	207.70	262.76	182.68	76.81	35.48	35.11
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
23	1962	32.66	34.09	33.85	35.71	40.59	52.75	292.30	450.83	452.45	233.76	93.21	46.46
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
24	1963	41.85	38.71	35.42	33.38	34.06	68.82	222.62	324.59	256.45	79.86	42.13	38.33
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
25	1964	36.85	37.26	39.89	33.60	34.10	87.29	243.72	305.66	232.30	94.96	42.07	34.33
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
26	1965	48.66	47.01	41.36	48.66	51.66	78.67	206.51	312.15	209.12	90.40	41.90	40.34
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
27	1966	32.11	32.26	34.02	29.79	30.70	49.56	179.90	343.89	204.21	165.84	69.20	55.88
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
28	1967	42.81	43.00	57.96	45.64	47.96	96.91	503.10	470.36	267.30	127.93	74.51	70.09
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
29	1968	66.05	70.85	53.71	44.44	44.06	101.88	248.45	368.85	183.81	78.39	48.64	47.53
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)

30	1969	56.09	41.37	38.45	35.09	41.34	76.85	227.49	188.01	119.35	58.27	42.77	38.53
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
31	1970	44.81	39.34	38.84	31.79	31.21	79.87	160.10	310.01	235.83	91.72	63.78	34.62
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
32	1971	36.92	35.71	45.03	31.87	32.25	60.90	239.90	236.14	243.19	103.96	49.19	49.44
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
33	1972	46.07	45.90	32.60	29.27	40.32	47.75	125.46	233.22	205.69	94.25	37.61	29.51
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
34	1973	35.24	42.56	35.37	27.21	29.45	79.90	129.15	271.66	151.64	50.55	34.05	51.31
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
35	1974	30.78	30.91	29.52	27.62	28.01	64.60	229.58	234.55	189.40	69.09	31.45	32.33
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
36	1975	38.44	32.12	27.19	31.53	32.59	70.51	239.01	340.77	261.50	124.21	50.96	40.01
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
37	1976	51.30	40.22	34.00	27.70	34.45	63.27	152.57	278.15	210.78	93.28	48.97	34.81
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
38	1977	41.15	37.49	30.88	29.35	45.12	83.63	222.31	337.28	234.63	125.87	52.49	34.60
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
39	1978	36.57	36.43	36.59	36.37	46.84	65.64	154.86	256.44	243.39	127.58	47.68	31.57
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
40	1979	43.19	78.37	53.41	41.41	40.22	93.28	314.94	336.73	184.47	78.37	41.35	32.26
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
41	1980	40.87	40.78	39.96	34.14	31.57	59.14	123.09	234.06	273.60	129.48	49.44	37.89
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
42	1981	37.68	41.65	40.51	34.95	28.76	40.92	219.79	299.80	200.40	85.16	40.99	32.70
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
43	1982	32.16	31.84	26.35	22.43	23.70	46.69	114.02	192.25	160.96	64.13	28.31	31.24
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
44	1983	34.28	72.49	51.10	48.80	32.44	62.25	312.87	566.60	161.38	58.03	70.91	50.73
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
45	1984	47.62	59.79	60.10	48.53	39.85	56.99	350.74	256.74	59.93	27.67	13.76	31.89
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
46	1985	51.12	45.03	56.88	45.74	39.44	75.36	358.26	331.97	260.51	48.75	10.21	35.43
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
47	1986	65.81	76.04	58.78	47.03	54.11	56.99	327.98	772.42	182.78	38.86	29.64	36.66
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
48	1987	42.30	55.47	50.73	44.03	39.64	66.94	328.83	532.45	489.17	197.29	59.16	58.40
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
49	1988	76.40	66.53	63.17	48.19	31.98	92.09	334.26	94.26	25.81	11.35	10.00	19.00
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
50	1989	49.23	52.32	62.59	37.02	27.82	81.86	382.20	513.66	147.58	55.07	23.13	27.75
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)

COEFFW= 0.2406213E-02 COEFFT= 0.3041271E-03 HLOSS= 0.5500000E+01

HEQMAX= 0.1907700E+03 PTMAX = 0.5401118E+06 PMAX= 0.5400000E+03

SHT = 0.1962700E+03 SHL = 0.5500000E+01 SHE = 0.1907700E+03 SETG = 0.9000000E+00 PINST= 0.5401116E+03

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*** DYNAMIC PROGRAMING OF RESERVOIR (INPUT DATA) ***

CASE *   OLTU RIVER FEASIBILITY STUDY

ｽﾀｰﾄ ｷｾﾂ       * KST   =   1
ｷｾﾂ ｸﾌﾞﾝｽｳ     * KMAX  = 600
ﾁｮｽｲ ｸﾌﾞﾝｽｳ    * IMAX  =  52
ﾁｮｽｲ ｸﾌﾞﾝﾘｮｳ  * DELTS =  250.0 (TD)
ﾎｳﾘｭｳ ｸﾌﾞﾝｽｳ  * LMAX  =  26
ﾎｳﾘｭｳ ｸﾌﾞﾝﾘｮｳ * DELTQ =   10.0  (TD)
ｻｲﾃｲ ﾎｳﾘｭｳﾘｮｳ * QMINO =  80.25 (TD)

ﾁｮｽｲ ﾓｸﾋｮｳ ｽｲｲ * HLAST = 710.00 (M)      * SLAST =   12500.0 (TD)
      ｽﾀｰﾄ ｽｲｲ * HSTAT = 710.00 (M)      * SSTRT =   12500.0 (TD)


ﾁｮｽｲ ｸﾌﾞﾝ & ｽｲｲ  * IMAX =  52  (TD,M)
  1       0.0( 670.0 )  2     250.0( 671.0 )  3     500.0( 672.1 )  4     750.0( 673.1 )  5    1000.0( 674.1 )
  6    1250.0( 675.1 )  7    1500.0( 676.1 )  8    1750.0( 677.0 )  9    2000.0( 678.0 ) 10    2250.0( 678.9 )
 11    2500.0( 679.8 ) 12    2750.0( 680.7 ) 13    3000.0( 681.6 ) 14    3250.0( 682.5 ) 15    3500.0( 683.4 )
 16    3750.0( 684.3 ) 17    4000.0( 685.1 ) 18    4250.0( 686.0 ) 19    4500.0( 686.8 ) 20    4750.0( 687.7 )
 21    5000.0( 688.5 ) 22    5250.0( 689.3 ) 23    5500.0( 690.1 ) 24    5750.0( 690.9 ) 25    6000.0( 691.8 )
 26    6250.0( 692.5 ) 27    6500.0( 693.3 ) 28    6750.0( 694.1 ) 29    7000.0( 694.9 ) 30    7250.0( 695.6 )
 31    7500.0( 696.4 ) 32    7750.0( 697.1 ) 33    8000.0( 697.9 ) 34    8250.0( 698.6 ) 35    8500.0( 699.3 )
 36    8750.0( 700.0 ) 37    9000.0( 700.7 ) 38    9250.0( 701.4 ) 39    9500.0( 702.1 ) 40    9750.0( 702.8 )
 41   10000.0( 703.5 ) 42   10250.0( 704.2 ) 43   10500.0( 704.8 ) 44   10750.0( 705.5 ) 45   11000.0( 706.2 )
 46   11250.0( 706.8 ) 47   11500.0( 707.5 ) 48   11750.0( 708.1 ) 49   12000.0( 708.7 ) 50   12250.0( 709.4 )
 51   12500.0( 710.0 ) 52   12500.0( 710.0 )


ﾎｳﾘｭｳ ｸﾌﾞﾝ  * LMAX =  26  (TD)
   1  80.3    2  90.0    3 100.0    4 110.0    5 120.0    6 130.0    7 140.0    8 150.0    9 160.0   10 170.0
  11 180.0   12 190.0   13 200.0   14 210.0   15 220.0   16 230.0   17 240.0   18 250.0   19 260.0   20 270.0
  21 280.0   22 290.0   23 300.0   24 310.0   25 320.0   26 321.0
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*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
1	1940	10	31	709.612333.2		2933.2(94.62)	3100.0(100.00)	0.0	540.00	133.79	8.0	0.900	300.28	300.28	5.50	709.79
2		11	30	709.712390.5		3057.3(101.91)	3000.0(100.00)	0.0	540.00	129.39	8.0	0.900	300.48	300.48	5.50	709.65
3		12	31	709.612356.1		3065.6(98.89)	3100.0(100.00)	0.0	540.00	133.72	8.0	0.900	300.44	300.44	5.50	709.68
4		1	31	705.310665.0		2648.9(85.45)	4340.0(140.00)	0.0	540.00	185.17	11.1	0.900	303.75	303.75	5.50	707.46
5		2	28	687.0	4559.9	2854.9(101.96)	8960.0(320.00)	0.0	537.81	360.76	24.0	0.900	320.57	320.57	5.50	696.16
6		3	31	670.0	0.0	4615.0(148.87)	9174.9(295.96)	0.0	460.67	332.21	23.3	0.892	305.35	305.35	5.50	678.52
7		4	30	685.3	4041.1	13154.4(438.48)	9113.3(303.78)	0.0	456.96	328.15	23.9	0.891	304.57	304.57	5.50	677.64
8		5	31	710.012500.0		22961.4(740.69)	9898.6(319.31)	4604.0	540.00	401.76	24.0	0.900	319.31	319.31	5.50	697.64
9		6	30	710.012500.0		9143.7(304.79)	8996.4(299.88)	147.3	540.00	388.68	24.0	0.900	299.97	299.97	5.50	710.00
10		7	31	709.412259.4		3789.4(122.24)	4030.0(130.00)	0.0	540.00	173.85	10.4	0.900	300.42	300.42	5.50	709.70
11		8	31	709.212181.9		2410.2(77.75)	2487.7(80.25)	0.0	540.00	107.11	6.4	0.900	301.01	301.01	5.50	709.30
12		9	30	707.811630.2		1855.8(61.86)	2407.5(80.25)	0.0	540.00	103.25	6.4	0.900	302.19	302.19	5.50	708.50
						6040.8(198.13)	5717.4(189.12)	395.9	526.29	231.49		0.899	9270.	9270.	5.50	702.00
13	1941	10	31	708.311845.4		2702.9(87.19)	2487.7(80.25)	0.0	540.00	106.47	6.4	0.900	302.83	302.83	5.50	708.07
14		11	30	709.712365.9		4420.5(147.35)	3900.0(130.00)	0.0	540.00	167.67	10.4	0.900	301.44	301.44	5.50	709.01
15		12	31	709.512280.9		3635.1(117.26)	3720.0(120.00)	0.0	540.00	160.37	9.6	0.900	300.62	300.62	5.50	709.56
16		1	31	700.3	8830.9	2440.0(78.71)	5890.0(190.00)	0.0	540.00	248.06	14.8	0.900	307.73	307.73	5.50	704.86
17		2	28	684.6	3840.4	3892.6(139.02)	8883.2(317.26)	0.0	521.09	350.00	24.0	0.898	317.41	317.41	5.50	692.43
18		3	31	670.0	0.0	5252.0(169.42)	9092.4(293.30)	0.0	455.50	326.69	23.1	0.891	304.26	304.26	5.50	677.30
19		4	30	694.7	6947.8	16194.0(539.80)	9246.2(308.21)	0.0	477.06	342.90	24.0	0.894	308.73	308.73	5.50	682.36
20		5	31	710.012500.0		17733.4(572.04)	9660.7(311.64)	2520.4	540.00	401.76	24.0	0.900	311.64	311.64	5.50	702.36
21		6	30	710.012500.0		9564.1(318.80)	8973.1(299.10)	591.0	540.00	387.67	23.9	0.900	299.97	299.97	5.50	710.00
22		7	31	710.012487.6		4637.6(149.60)	4650.0(150.00)	0.0	540.00	200.88	12.0	0.900	300.00	300.00	5.50	709.98
23		8	31	710.012494.7		2494.9(80.48)	2487.7(80.25)	0.0	540.00	107.47	6.4	0.900	300.01	300.01	5.50	709.98
24		9	30	709.312201.3		2114.1(70.47)	2407.5(80.25)	0.0	540.00	103.82	6.4	0.900	300.53	300.53	5.50	709.62
						6256.7(205.85)	5949.9(196.69)	259.3	526.14	241.98		0.899	9262.	9262.	5.50	702.13
25	1942	10	31	708.611954.6		2241.0(72.29)	2487.7(80.25)	0.0	540.00	106.92	6.4	0.900	301.54	301.54	5.50	708.94
26		11	30	708.812020.6		2473.5(82.45)	2407.5(80.25)	0.0	540.00	103.36	6.4	0.900	301.88	301.88	5.50	708.71
27		12	31	708.711974.7		2441.9(78.77)	2487.7(80.25)	0.0	540.00	106.81	6.4	0.900	301.84	301.84	5.50	708.74
28		1	31	707.511507.8		2020.9(65.19)	2487.7(80.25)	0.0	540.00	106.47	6.4	0.900	302.82	302.82	5.50	708.08
29		2	28	706.211000.7		1739.9(62.14)	2247.0(80.25)	0.0	540.00	95.57	6.3	0.900	304.71	304.71	5.50	706.83
30		3	31	705.210651.7		2138.7(68.99)	2487.7(80.25)	0.0	540.00	105.22	6.3	0.900	306.42	306.42	5.50	705.71
31		4	30	709.012114.8		6263.1(208.77)	4800.0(160.00)	0.0	540.00	204.47	12.6	0.900	304.24	304.24	5.50	707.14
32		5	31	710.012500.0		9425.5(304.05)	9033.7(291.41)	6.6	540.00	389.36	23.3	0.900	300.69	300.69	5.50	709.52
33		6	30	709.612332.0		5532.0(184.40)	5700.0(190.00)	0.0	540.00	246.01	15.2	0.900	300.28	300.28	5.50	709.79
34		7	31	710.012499.4		3267.4(105.40)	3100.0(100.00)	0.0	540.00	133.79	8.0	0.900	300.28	300.28	5.50	709.79
35		8	31	709.312226.9		2215.3(71.46)	2487.7(80.25)	0.0	540.00	107.30	6.4	0.900	300.48	300.48	5.50	709.66
36		9	30	707.811649.1		1829.7(60.99)	2407.5(80.25)	0.0	540.00	103.29	6.4	0.900	302.07	302.07	5.50	708.58
						3465.7(113.74)	3511.2(115.28)	0.6	540.00	150.71		0.900	9194.	9194.	5.50	708.45
37	1943	10	31	706.211027.5		1866.2(60.20)	2487.7(80.25)	0.0	540.00	105.92	6.3	0.900	304.38	304.38	5.50	707.04
38		11	30	705.010554.4		1934.4(64.48)	2407.5(80.25)	0.0	540.00	101.78	6.3	0.900	306.56	306.56	5.50	705.61
39		12	31	703.510003.0		1936.3(62.46)	2487.7(80.25)	0.0	540.00	104.45	6.2	0.900	308.67	308.67	5.50	704.25
40		1	31	701.4	9245.6	1730.4(55.82)	2487.7(80.25)	0.0	540.00	103.51	6.2	0.900	311.47	311.47	5.50	702.47
41		2	29	699.9	8690.0	1771.6(61.09)	2327.2(80.25)	0.0	540.00	95.94	6.1	0.900	314.38	314.38	5.50	700.65
42		3	31	687.7	4744.0	4424.0(142.71)	8370.0(270.00)	0.0	527.02	332.35	20.3	0.899	318.54	318.54	5.50	693.76
43		4	30	678.9	2247.4	6771.3(225.71)	9267.8(308.93)	0.0	480.97	345.64	24.0	0.894	309.52	309.52	5.50	683.27
44		5	31	706.511139.7		18735.8(604.38)	9843.5(317.53)	0.0	522.35	388.48	24.0	0.898	317.65	317.65	5.50	692.71
45		6	30	710.012500.0		10533.0(351.10)	9072.1(302.40)	100.6	540.00	388.62	24.0	0.900	302.54	302.54	5.50	708.27
46		7	31	709.912451.9		5841.9(188.45)	5890.0(190.00)	0.0	540.00	254.40	15.2	0.900	300.06	300.06	5.50	709.94
47		8	31	709.612344.1		2379.9(76.77)	2487.7(80.25)	0.0	540.00	107.35	6.4	0.900	300.35	300.35	5.50	709.74
48		9	30	708.411879.4		1942.8(64.76)	2407.5(80.25)	0.0	540.00	103.52	6.4	0.900	301.42	301.42	5.50	709.02
						4989.0(163.16)	4961.4(162.55)	8.4	532.53	202.66		0.899	9393.	9393.	5.50	702.23

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
49	1944	10	31	706.611	155.5	1763.9(56.90)	2487.7(80.25)	0.0	540.00	106.17	6.3	0.900	303.69	303.69	5.50	707.50
50		11	30	705.210	633.8	1885.8(62.86)	2407.5(80.25)	0.0	540.00	101.92	6.3	0.900	306.14	306.14	5.50	705.89
51		12	31	702.7	9697.6	1551.5(50.05)	2487.7(80.25)	0.0	540.00	104.29	6.2	0.900	309.15	309.15	5.50	703.94
52		1	31	699.8	8659.7	1449.9(46.77)	2487.7(80.25)	0.0	540.00	102.86	6.1	0.900	313.45	313.45	5.50	701.23
53		2	28	697.0	7709.1	1296.4(46.30)	2247.0(80.25)	0.0	540.00	91.56	6.1	0.900	318.05	318.05	5.50	698.40
54		3	31	694.4	6852.6	1631.2(52.62)	2487.7(80.25)	0.0	535.84	99.91	6.0	0.900	320.20	320.20	5.50	695.72
55		4	30	701.6	9312.6	4867.5(162.25)	2407.5(80.25)	0.0	540.00	97.91	6.0	0.900	318.68	318.68	5.50	698.02
56		5	31	709.612	347.5	8924.9(287.90)	5890.0(190.00)	0.0	540.00	249.01	14.9	0.900	306.56	306.56	5.50	705.62
57		6	30	709.112	158.8	7611.3(253.71)	7800.0(260.00)	0.0	540.00	335.97	20.7	0.900	300.89	300.89	5.50	709.38
58		7	31	709.712	360.6	3301.8(106.51)	3100.0(100.00)	0.0	540.00	133.54	8.0	0.900	300.86	300.86	5.50	709.40
59		8	31	707.911	674.9	1802.0(58.13)	2487.7(80.25)	0.0	540.00	106.84	6.4	0.900	301.77	301.77	5.50	708.78
60		9	30	705.510	757.5	1490.1(49.67)	2407.5(80.25)	0.0	540.00	102.34	6.3	0.900	304.87	304.87	5.50	706.72
						3131.4(102.81)	3224.9(106.02)	0.0	539.65	136.03		0.900	9387.	9387.	5.50	704.21
61	1945	10	31	703.0	9811.3	1541.6(49.73)	2487.7(80.25)	0.0	540.00	104.46	6.2	0.900	308.66	308.66	5.50	704.26
62		11	30	700.5	8900.5	1496.7(49.89)	2407.5(80.25)	0.0	540.00	99.80	6.2	0.900	312.65	312.65	5.50	701.72
63		12	31	697.6	7899.9	1487.1(47.97)	2487.7(80.25)	0.0	540.00	101.70	6.1	0.900	317.03	317.03	5.50	699.02
64		1	31	694.3	6800.0	1387.9(44.77)	2487.7(80.25)	0.0	536.74	100.03	6.0	0.900	320.37	320.37	5.50	695.92
65		2	28	691.3	5874.3	1321.3(47.19)	2247.0(80.25)	0.0	522.78	88.73	6.1	0.898	317.73	317.73	5.50	692.81
66		3	31	691.4	5904.4	2517.8(81.22)	2487.7(80.25)	0.0	516.50	97.43	6.1	0.898	316.53	316.53	5.50	691.40
67		4	30	703.3	9919.3	6422.5(214.08)	2407.5(80.25)	0.0	540.00	97.57	6.0	0.900	319.77	319.77	5.50	697.36
68		5	31	709.812	430.9	9641.6(311.02)	7130.0(230.00)	0.0	540.00	302.84	18.1	0.900	305.12	305.12	5.50	706.55
69		6	30	709.912	441.1	8710.2(290.34)	8700.0(290.00)	0.0	540.00	375.58	23.2	0.900	300.21	300.21	5.50	709.84
70		7	31	710.012	500.0	5031.3(162.30)	4960.0(160.00)	12.4	540.00	214.21	12.8	0.900	300.08	300.08	5.50	709.93
71		8	31	709.512	320.2	2610.2(84.20)	2790.0(90.00)	0.0	540.00	120.41	7.2	0.900	300.30	300.30	5.50	709.77
72		9	30	708.311	807.5	1894.8(63.16)	2407.5(80.25)	0.0	540.00	103.45	6.4	0.900	301.60	301.60	5.50	708.90
						3671.9(120.49)	3583.4(117.67)	1.0	536.33	150.52		0.900	9428.	9428.	5.50	702.29
73	1946	10	31	708.211	774.9	2455.2(79.20)	2487.7(80.25)	0.0	540.00	106.54	6.4	0.900	302.63	302.63	5.50	708.21
74		11	30	707.111	350.7	1983.3(66.11)	2407.5(80.25)	0.0	540.00	102.80	6.3	0.900	303.51	303.51	5.50	707.62
75		12	31	704.910	508.2	1645.2(53.07)	2487.7(80.25)	0.0	540.00	105.36	6.3	0.900	306.01	306.01	5.50	705.97
76		1	31	702.5	9644.8	1624.4(52.40)	2487.7(80.25)	0.0	540.00	104.16	6.2	0.900	309.53	309.53	5.50	703.70
77		2	28	700.7	8991.0	1593.2(56.90)	2247.0(80.25)	0.0	540.00	93.10	6.2	0.900	312.81	312.81	5.50	701.62
78		3	31	704.710	444.3	3941.0(127.13)	2487.7(80.25)	0.0	540.00	103.64	6.2	0.900	311.09	311.09	5.50	702.71
79		4	30	709.912	440.2	6495.9(216.53)	4500.0(150.00)	0.0	540.00	191.82	11.8	0.900	304.03	304.03	5.50	707.27
80		5	31	709.712	381.9	5211.7(168.12)	5270.0(170.00)	0.0	540.00	227.44	13.6	0.900	300.30	300.30	5.50	709.78
81		6	30	709.712	373.8	3591.9(119.73)	3600.0(120.00)	0.0	540.00	155.30	9.6	0.900	300.42	300.42	5.50	709.69
82		7	31	708.912	077.1	2191.1(70.68)	2487.7(80.25)	0.0	540.00	107.12	6.4	0.900	300.99	300.99	5.50	709.31
83		8	31	706.511	131.0	1541.6(49.73)	2487.7(80.25)	0.0	540.00	106.28	6.3	0.900	303.36	303.36	5.50	707.72
84		9	30	703.910	130.5	1407.0(46.90)	2407.5(80.25)	0.0	540.00	101.56	6.3	0.900	307.23	307.23	5.50	705.18
						2806.8(92.21)	2946.5(96.85)	0.0	540.00	125.43		0.900	9280.	9280.	5.50	706.56
85	1947	10	31	701.3	9194.0	1551.2(50.04)	2487.7(80.25)	0.0	540.00	103.57	6.2	0.900	311.31	311.31	5.50	702.57
86		11	30	700.6	8952.8	2166.3(72.21)	2407.5(80.25)	0.0	540.00	99.40	6.1	0.900	313.90	313.90	5.50	700.95
87		12	31	698.2	8114.9	1649.8(53.22)	2487.7(80.25)	0.0	540.00	101.90	6.1	0.900	316.39	316.39	5.50	699.41
88		1	31	695.5	7217.7	1590.6(51.31)	2487.7(80.25)	0.0	540.00	100.57	6.0	0.900	320.59	320.59	5.50	696.88
89		2	29	693.0	6381.9	1491.5(51.43)	2327.2(80.25)	0.0	529.24	92.68	6.0	0.899	318.96	318.96	5.50	694.25
90		3	31	692.6	6254.8	2360.6(76.15)	2487.7(80.25)	0.0	522.59	98.21	6.1	0.898	317.70	317.70	5.50	692.76
91		4	30	704.610	421.5	6574.2(219.14)	2407.5(80.25)	0.0	540.00	98.20	6.1	0.900	317.72	317.72	5.50	698.60
92		5	31	710.012	494.2	9512.7(306.86)	7440.0(240.00)	0.0	540.00	317.20	18.9	0.900	303.98	303.98	5.50	707.31
93		6	30	709.912	455.8	8961.6(298.72)	9000.0(300.00)	0.0	540.00	388.72	24.0	0.900	300.07	300.07	5.50	709.94
94		7	31	709.812	411.1	3055.4(98.56)	3100.0(100.00)	0.0	540.00	133.82	8.0	0.900	300.22	300.22	5.50	709.83
95		8	31	708.111	765.1	1841.7(59.41)	2487.7(80.25)	0.0	540.00	106.93	6.4	0.900	301.51	301.51	5.50	708.96
96		9	30	706.411	102.1	1744.5(58.15)	2407.5(80.25)	0.0	540.00	102.63	6.3	0.900	304.01	304.01	5.50	707.29
						3541.7(116.27)	3460.7(113.52)	0.0	537.65	145.32		0.900	9470.	9470.	5.50	702.39

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
97	1948	10	31	704.2	10261.7	1647.3(53.14)	2487.7(80.25)	0.0	540.00	105.02	6.3	0.900	307.01	307.01	5.50	705.32
98		11	30	701.8	9365.6	1511.4(50.38)	2407.5(80.25)	0.0	540.00	100.44	6.2	0.900	310.65	310.65	5.50	702.98
99		12	31	698.7	8281.5	1403.7(45.28)	2487.7(80.25)	0.0	540.00	102.33	6.1	0.900	315.06	315.06	5.50	700.23
100		1	31	695.4	7165.2	1371.4(44.24)	2487.7(80.25)	0.0	540.00	100.65	6.0	0.900	320.32	320.32	5.50	697.04
101		2	28	692.2	6151.9	1233.7(44.06)	2247.0(80.25)	0.0	527.26	89.25	6.0	0.899	318.59	318.59	5.50	693.81
102		3	31	690.2	5513.9	1849.8(59.67)	2487.7(80.25)	0.0	515.66	97.32	6.1	0.898	316.37	316.37	5.50	691.21
103		4	30	696.1	7412.6	4306.2(143.54)	2407.5(80.25)	0.0	524.32	95.26	6.1	0.898	318.03	318.03	5.50	693.15
104		5	31	709.8	12438.6	9056.0(292.13)	4030.0(130.00)	0.0	540.00	168.13	10.0	0.900	310.64	310.64	5.50	702.99
105		6	30	710.0	12480.3	5741.7(191.39)	5700.0(190.00)	0.0	540.00	246.14	15.2	0.900	300.12	300.12	5.50	709.90
106		7	31	708.7	11971.3	1978.7(63.83)	2487.7(80.25)	0.0	540.00	107.12	6.4	0.900	300.99	300.99	5.50	709.31
107		8	31	706.4	11076.0	1592.5(51.37)	2487.7(80.25)	0.0	540.00	106.17	6.3	0.900	303.67	303.67	5.50	707.52
108		9	30	703.8	10122.6	1454.1(48.47)	2407.5(80.25)	0.0	540.00	101.52	6.3	0.900	307.35	307.35	5.50	705.10
						2762.2(90.62)	2843.8(93.54)	0.0	535.60	118.28		0.900	9450.	9450.	5.50	701.55
109	1949	10	31	701.1	9111.4	1476.5(47.63)	2487.7(80.25)	0.0	540.00	103.50	6.2	0.900	311.51	311.51	5.50	702.44
110		11	30	698.1	8076.1	1372.2(45.74)	2407.5(80.25)	0.0	540.00	98.70	6.1	0.900	316.12	316.12	5.50	699.57
111		12	31	694.7	6931.2	1342.9(43.32)	2487.7(80.25)	0.0	538.81	100.29	6.0	0.900	320.76	320.76	5.50	696.38
112		1	31	690.9	5744.2	1300.8(41.96)	2487.7(80.25)	0.0	522.74	98.23	6.1	0.898	317.73	317.73	5.50	692.80
113		2	28	687.7	4758.6	1261.4(45.05)	2247.0(80.25)	0.0	507.30	86.92	6.1	0.897	314.75	314.75	5.50	689.31
114		3	31	687.0	4539.1	2268.3(73.17)	2487.7(80.25)	0.0	498.61	95.10	6.2	0.896	313.05	313.05	5.50	687.33
115		4	30	702.6	9671.2	7539.6(251.32)	2407.5(80.25)	0.0	531.63	96.17	6.0	0.899	319.41	319.41	5.50	694.79
116		5	31	709.7	12384.7	9533.4(307.53)	6820.0(220.00)	0.0	540.00	289.10	17.3	0.900	305.73	305.73	5.50	706.16
117		6	30	709.1	12141.7	6057.0(201.90)	6300.0(210.00)	0.0	540.00	271.39	16.8	0.900	300.85	300.85	5.50	709.41
118		7	31	709.6	12329.5	2977.9(96.06)	2790.0(90.00)	0.0	540.00	120.15	7.2	0.900	300.95	300.95	5.50	709.34
119		8	31	707.7	11573.7	1732.0(55.87)	2487.7(80.25)	0.0	540.00	106.75	6.4	0.900	302.02	302.02	5.50	708.61
120		9	30	705.0	10548.3	1382.1(46.07)	2407.5(80.25)	0.0	540.00	102.13	6.3	0.900	305.49	305.49	5.50	706.31
						3187.0(104.63)	3151.5(103.52)	0.0	531.59	130.70		0.899	9449.	9449.	5.50	700.20
121	1950	10	31	703.5	10005.5	1944.9(62.74)	2487.7(80.25)	0.0	540.00	104.45	6.2	0.900	308.68	308.68	5.50	704.25
122		11	30	701.6	9293.3	1695.3(56.51)	2407.5(80.25)	0.0	540.00	100.21	6.2	0.900	311.35	311.35	5.50	702.54
123		12	31	698.9	8370.4	1564.9(50.48)	2487.7(80.25)	0.0	540.00	102.35	6.1	0.900	315.01	315.01	5.50	700.25
124		1	31	696.0	7376.3	1493.6(48.18)	2487.7(80.25)	0.0	540.00	100.89	6.0	0.900	319.57	319.57	5.50	697.49
125		2	28	693.3	6493.4	1364.2(48.72)	2247.0(80.25)	0.0	531.10	89.70	6.0	0.899	319.31	319.31	5.50	694.67
126		3	31	692.1	6095.4	2089.7(67.41)	2487.7(80.25)	0.0	522.24	98.17	6.1	0.898	317.63	317.63	5.50	692.69
127		4	30	703.5	10002.6	6314.7(210.49)	2407.5(80.25)	0.0	540.00	97.79	6.0	0.900	319.07	319.07	5.50	697.78
128		5	31	709.7	12400.1	7977.5(257.34)	5580.0(180.00)	0.0	540.00	237.10	14.2	0.900	305.01	305.01	5.50	706.63
129		6	30	709.1	12154.1	7254.0(241.80)	7500.0(250.00)	0.0	540.00	323.14	19.9	0.900	300.80	300.80	5.50	709.44
130		7	31	709.5	12310.4	2946.2(95.04)	2790.0(90.00)	0.0	540.00	120.14	7.2	0.900	300.96	300.96	5.50	709.33
131		8	31	708.0	11705.2	1882.6(60.73)	2487.7(80.25)	0.0	540.00	106.83	6.4	0.900	301.81	301.81	5.50	708.76
132		9	30	706.6	11176.0	1878.3(62.61)	2407.5(80.25)	0.0	540.00	102.64	6.3	0.900	303.98	303.98	5.50	707.31
						3200.5(105.17)	3148.2(103.52)	0.0	537.78	131.95		0.900	9435.	9435.	5.50	702.59
133	1951	10	31	707.3	11430.5	2742.3(88.46)	2487.7(80.25)	0.0	540.00	105.88	6.3	0.900	304.52	304.52	5.50	706.95
134		11	30	706.9	11289.5	2266.5(75.55)	2407.5(80.25)	0.0	540.00	102.54	6.3	0.900	304.29	304.29	5.50	707.10
135		12	31	705.1	10584.6	1782.8(57.51)	2487.7(80.25)	0.0	540.00	105.37	6.3	0.900	305.98	305.98	5.50	705.99
136		1	31	703.7	10071.2	1974.4(63.69)	2487.7(80.25)	0.0	540.00	104.52	6.2	0.900	308.46	308.46	5.50	704.38
137		2	29	704.6	10420.7	2676.7(92.30)	2327.2(80.25)	0.0	540.00	97.67	6.2	0.900	308.80	308.80	5.50	704.16
138		3	31	706.5	11135.2	3202.3(103.30)	2487.7(80.25)	0.0	540.00	105.15	6.3	0.900	306.62	306.62	5.50	705.58
139		4	30	710.0	12498.1	8262.9(275.43)	6900.0(230.00)	0.0	540.00	295.56	18.2	0.900	302.56	302.56	5.50	708.26
140		5	31	709.6	12340.9	9142.8(294.93)	9300.0(300.00)	0.0	540.00	401.40	24.0	0.900	300.27	300.27	5.50	709.80
141		6	30	709.2	12179.8	7338.9(244.63)	7500.0(250.00)	0.0	540.00	323.07	19.9	0.900	300.86	300.86	5.50	709.40
142		7	31	709.7	12383.8	3924.0(126.58)	3720.0(120.00)	0.0	540.00	160.29	9.6	0.900	300.78	300.78	5.50	709.45
143		8	31	708.6	11926.9	2030.8(65.51)	2487.7(80.25)	0.0	540.00	107.02	6.4	0.900	301.25	301.25	5.50	709.13
144		9	30	706.5	11118.4	1599.0(53.30)	2407.5(80.25)	0.0	540.00	102.75	6.3	0.900	303.67	303.67	5.50	707.52
						3911.9(128.43)	3916.7(128.50)	0.0	540.00	167.60		0.900	9272.	9272.	5.50	707.31

*** OPTIMAL SCHEDULE ***

Yusufeli Project

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
145	1952	10	31	703.810096.3		1465.7(47.28)	2487.7(80.25)	0.0	540.00	104.91	6.3	0.900	307.32	307.32	5.50	705.12
146		11	30	701.0 9085.9		1397.1(46.57)	2407.5(80.25)	0.0	540.00	100.13	6.2	0.900	311.62	311.62	5.50	702.37
147		12	31	697.8 7962.4		1364.3(44.01)	2487.7(80.25)	0.0	540.00	101.88	6.1	0.900	316.45	316.45	5.50	699.37
148		1	31	694.2 6777.0		1302.3(42.01)	2487.7(80.25)	0.0	536.99	100.06	6.0	0.900	320.42	320.42	5.50	695.98
149		2	28	691.2 5816.0		1286.0(45.93)	2247.0(80.25)	0.0	522.20	88.66	6.1	0.898	317.62	317.62	5.50	692.68
150		3	31	690.7 5679.6		2351.3(75.85)	2487.7(80.25)	0.0	514.47	97.16	6.1	0.897	316.14	316.14	5.50	690.94
151		4	30	701.7 9353.4		6081.3(202.71)	2407.5(80.25)	0.0	538.09	96.97	6.0	0.900	320.62	320.62	5.50	696.22
152		5	31	710.012487.5		9334.1(301.10)	6200.0(200.00)	0.0	540.00	262.42	15.7	0.900	306.20	306.20	5.50	705.85
153		6	30	708.812026.7		7639.2(254.64)	8100.0(270.00)	0.0	540.00	348.90	21.5	0.900	300.87	300.87	5.50	709.39
154		7	31	709.912441.5		3514.8(113.38)	3100.0(100.00)	0.0	540.00	133.49	8.0	0.900	300.96	300.96	5.50	709.33
155		8	31	708.812032.0		2078.2(67.04)	2487.7(80.25)	0.0	540.00	107.13	6.4	0.900	300.95	300.95	5.50	709.34
156		9	30	707.511512.7		1888.2(62.94)	2407.5(80.25)	0.0	540.00	103.08	6.4	0.900	302.70	302.70	5.50	708.16
						3308.5(108.62)	3275.7(107.69)	0.0	535.98	137.07		0.900	9432.	9432.	5.50	702.06
157	1953	10	31	705.310668.6		1643.6(53.02)	2487.7(80.25)	0.0	540.00	105.58	6.3	0.900	305.37	305.37	5.50	706.39
158		11	30	703.2 9878.1		1617.0(53.90)	2407.5(80.25)	0.0	540.00	101.07	6.2	0.900	308.70	308.70	5.50	704.23
159		12	31	700.3 8830.6		1440.3(46.46)	2487.7(80.25)	0.0	540.00	103.12	6.2	0.900	312.66	312.66	5.50	701.72
160		1	31	697.3 7790.8		1448.0(46.71)	2487.7(80.25)	0.0	540.00	101.56	6.1	0.900	317.46	317.46	5.50	698.76
161		2	28	696.1 7403.0		1859.2(66.40)	2247.0(80.25)	0.0	540.00	90.74	6.0	0.900	320.92	320.92	5.50	696.68
162		3	31	700.4 8870.9		3955.6(127.60)	2487.7(80.25)	0.0	540.00	101.29	6.1	0.900	318.31	318.31	5.50	698.24
163		4	30	701.2 9166.6		8095.7(269.86)	7800.0(260.00)	0.0	540.00	321.79	19.9	0.900	314.15	314.15	5.50	700.79
164		5	31	708.211796.4		11929.8(384.83)	9300.0(300.00)	0.0	540.00	391.39	23.4	0.900	307.95	307.95	5.50	704.72
165		6	30	710.012500.0		9705.0(323.50)	9000.0(300.00)	1.4	540.00	387.14	23.9	0.900	301.28	301.28	5.50	709.11
166		7	31	710.012499.7		6199.7(199.99)	6200.0(200.00)	0.0	540.00	267.86	16.0	0.900	299.97	299.97	5.50	710.00
167		8	31	709.512311.5		2601.8(83.93)	2790.0(90.00)	0.0	540.00	120.40	7.2	0.900	300.32	300.32	5.50	709.76
168		9	30	708.311840.2		1936.2(64.54)	2407.5(80.25)	0.0	540.00	103.47	6.4	0.900	301.55	301.55	5.50	708.93
						4369.3(143.39)	4341.9(142.65)	0.1	540.00	182.95		0.900	9398.	9398.	5.50	704.11
169	1954	10	31	706.211016.2		1663.8(53.67)	2487.7(80.25)	0.0	540.00	106.04	6.3	0.900	304.04	304.04	5.50	707.27
170		11	30	703.910142.3		1533.6(51.12)	2407.5(80.25)	0.0	540.00	101.49	6.3	0.900	307.43	307.43	5.50	705.05
171		12	31	701.1 9142.3		1487.7(47.99)	2487.7(80.25)	0.0	540.00	103.54	6.2	0.900	311.40	311.40	5.50	702.51
172		1	31	697.8 7982.2		1327.7(42.83)	2487.7(80.25)	0.0	540.00	101.94	6.1	0.900	316.27	316.27	5.50	699.48
173		2	28	694.9 7018.2		1283.0(45.82)	2247.0(80.25)	0.0	538.80	90.59	6.0	0.900	320.75	320.75	5.50	696.38
174		3	31	692.6 6251.6		1721.1(55.52)	2487.7(80.25)	0.0	526.97	98.78	6.0	0.899	318.53	318.53	5.50	693.74
175		4	30	696.1 7391.0		3546.9(118.23)	2407.5(80.25)	0.0	529.49	95.90	6.0	0.899	319.01	319.01	5.50	694.31
176		5	31	706.711207.4		6304.2(203.36)	2487.7(80.25)	0.0	540.00	102.94	6.1	0.900	313.19	313.19	5.50	701.39
177		6	30	710.012500.0		3789.6(126.32)	2407.5(80.25)	89.5	540.00	103.17	6.4	0.900	302.41	302.41	5.50	708.35
178		7	31	707.711573.4		1561.2(50.36)	2487.7(80.25)	0.0	540.00	106.86	6.4	0.900	301.71	301.71	5.50	708.83
179		8	31	704.410322.2		1236.6(39.89)	2487.7(80.25)	0.0	540.00	105.38	6.3	0.900	305.95	305.95	5.50	706.01
180		9	30	701.0 9107.5		1192.8(39.76)	2407.5(80.25)	0.0	540.00	100.30	6.2	0.900	311.09	311.09	5.50	702.71
						2220.7(72.91)	2440.9(80.25)	7.5	537.94	101.41		0.900	9457.	9457.	5.50	702.17
181	1955	10	31	697.3 7819.5		1199.7(38.70)	2487.7(80.25)	0.0	540.00	101.79	6.1	0.900	316.75	316.75	5.50	699.19
182		11	30	693.6 6597.6		1185.6(39.52)	2407.5(80.25)	0.0	534.80	96.56	6.0	0.899	320.01	320.01	5.50	695.49
183		12	31	689.7 5383.3		1273.5(41.08)	2487.7(80.25)	0.0	517.83	97.60	6.1	0.898	316.79	316.79	5.50	691.69
184		1	31	685.5 4114.5		1218.9(39.32)	2487.7(80.25)	0.0	499.95	95.27	6.1	0.896	313.31	313.31	5.50	687.64
185		2	29	682.5 3251.1		1463.9(50.48)	2327.2(80.25)	0.0	484.26	87.20	6.2	0.894	310.18	310.18	5.50	684.03
186		3	31	680.0 2544.7		1781.3(57.46)	2487.7(80.25)	0.0	472.34	91.63	6.3	0.893	307.76	307.76	5.50	681.26
187		4	30	689.1 5171.2		5034.0(167.80)	2407.5(80.25)	0.0	486.38	90.48	6.2	0.895	310.61	310.61	5.50	684.52
188		5	31	700.9 9047.1		6363.7(205.28)	2487.7(80.25)	0.0	532.44	99.48	6.0	0.899	319.56	319.56	5.50	694.97
189		6	30	709.712381.9		7234.8(241.16)	3900.0(130.00)	0.0	540.00	164.61	10.2	0.900	307.06	307.06	5.50	705.29
190		7	31	709.512313.7		3341.8(107.80)	3410.0(110.00)	0.0	540.00	147.05	8.8	0.900	300.53	300.53	5.50	709.62
191		8	31	707.611539.0		1713.1(55.26)	2487.7(80.25)	0.0	540.00	106.72	6.4	0.900	302.12	302.12	5.50	708.55
192		9	30	705.110608.4		1476.9(49.23)	2407.5(80.25)	0.0	540.00	102.15	6.3	0.900	305.44	305.44	5.50	706.35
						2773.9(91.09)	2648.9(86.88)	0.0	519.00	106.71		0.898	9481.	9481.	5.50	695.72

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
193	1956	10	31	702.1	9498.9	1378.3(44.46)	2487.7(80.25)	0.0	540.00	104.13	6.2	0.900	309.63	309.63	5.50	703.63
194		11	30	699.0	8384.4	1293.0(43.10)	2407.5(80.25)	0.0	540.00	99.20	6.1	0.900	314.52	314.52	5.50	700.56
195		12	31	695.3	7146.2	1249.6(40.31)	2487.7(80.25)	0.0	540.00	100.72	6.0	0.900	320.12	320.12	5.50	697.16
196		1	31	691.1	5804.6	1146.1(36.97)	2487.7(80.25)	0.0	524.64	98.48	6.1	0.898	318.09	318.09	5.50	693.22
197		2	28	688.1	4880.8	1323.3(47.26)	2247.0(80.25)	0.0	508.62	87.07	6.1	0.897	315.01	315.01	5.50	689.61
198		3	31	689.2	5226.2	2833.1(91.39)	2487.7(80.25)	0.0	504.47	95.86	6.1	0.896	314.20	314.20	5.50	688.67
199		4	30	700.5	8931.2	6112.5(203.75)	2407.5(80.25)	0.0	532.11	96.23	6.0	0.899	319.50	319.50	5.50	694.89
200		5	31	709.512	314.2	8963.0(289.13)	5580.0(180.00)	0.0	540.00	235.22	14.1	0.900	307.44	307.44	5.50	705.04
201		6	30	708.411	857.9	7943.7(264.79)	8400.0(280.00)	0.0	540.00	361.06	22.3	0.900	301.51	301.51	5.50	708.96
202		7	31	709.512	302.7	3234.8(104.35)	2790.0(90.00)	0.0	540.00	119.91	7.2	0.900	301.53	301.53	5.50	708.94
203		8	31	707.611	563.9	1749.0(56.42)	2487.7(80.25)	0.0	540.00	106.73	6.4	0.900	302.09	302.09	5.50	708.57
204		9	30	705.310	655.2	1498.8(49.96)	2407.5(80.25)	0.0	540.00	102.20	6.3	0.900	305.29	305.29	5.50	706.44
						3227.1(105.99)	3223.2(106.02)	0.0	532.49	133.90		0.899	9451.	9451.	5.50	700.47
205	1957	10	31	702.5	9635.3	1467.8(47.35)	2487.7(80.25)	0.0	540.00	104.26	6.2	0.900	309.24	309.24	5.50	703.88
206		11	30	699.9	8701.1	1473.3(49.11)	2407.5(80.25)	0.0	540.00	99.53	6.1	0.900	313.49	313.49	5.50	701.20
207		12	31	696.9	7666.6	1453.3(46.88)	2487.7(80.25)	0.0	540.00	101.37	6.1	0.900	318.06	318.06	5.50	698.39
208		1	31	693.4	6529.9	1351.0(43.58)	2487.7(80.25)	0.0	533.30	99.59	6.0	0.899	319.73	319.73	5.50	695.16
209		2	28	690.4	5584.9	1302.0(46.50)	2247.0(80.25)	0.0	518.82	88.27	6.1	0.898	316.98	316.98	5.50	691.92
210		3	31	689.6	5336.2	2239.1(72.23)	2487.7(80.25)	0.0	510.33	96.63	6.1	0.897	315.34	315.34	5.50	690.00
211		4	30	698.7	8267.5	5338.8(177.96)	2407.5(80.25)	0.0	528.66	95.80	6.0	0.899	318.85	318.85	5.50	694.12
212		5	31	709.712	394.9	9087.3(293.14)	4960.0(160.00)	0.0	540.00	208.20	12.4	0.900	308.76	308.76	5.50	704.19
213		6	30	709.912	462.4	6667.5(222.25)	6600.0(220.00)	0.0	540.00	284.90	17.6	0.900	300.24	300.24	5.50	709.82
214		7	31	710.012	500.0	2843.0(91.71)	2790.0(90.00)	15.4	540.00	120.51	7.2	0.900	300.04	300.04	5.50	709.95
215		8	31	707.911	665.5	1653.2(53.33)	2487.7(80.25)	0.0	540.00	106.92	6.4	0.900	301.53	301.53	5.50	708.94
216		9	30	705.810	860.6	1602.6(53.42)	2407.5(80.25)	0.0	540.00	102.41	6.3	0.900	304.68	304.68	5.50	706.84
						3039.9(99.79)	3021.5(99.35)	1.3	534.26	125.70		0.899	9446.	9446.	5.50	701.20
217	1958	10	31	703.2	9896.8	1524.0(49.16)	2487.7(80.25)	0.0	540.00	104.59	6.2	0.900	308.26	308.26	5.50	704.51
218		11	30	700.6	8957.5	1468.2(48.94)	2407.5(80.25)	0.0	540.00	99.90	6.2	0.900	312.34	312.34	5.50	701.92
219		12	31	697.8	7976.3	1506.6(48.60)	2487.7(80.25)	0.0	540.00	101.80	6.1	0.900	316.71	316.71	5.50	699.21
220		1	31	694.9	6992.7	1504.1(48.52)	2487.7(80.25)	0.0	538.58	100.27	6.0	0.900	320.71	320.71	5.50	696.33
221		2	28	691.7	5982.7	1237.0(44.18)	2247.0(80.25)	0.0	524.88	88.97	6.1	0.898	318.13	318.13	5.50	693.28
222		3	31	691.5	5909.0	2414.0(77.87)	2487.7(80.25)	0.0	517.31	97.53	6.1	0.898	316.69	316.69	5.50	691.58
223		4	30	702.1	9481.0	5979.6(199.32)	2407.5(80.25)	0.0	540.00	97.27	6.0	0.900	320.76	320.76	5.50	696.77
224		5	31	709.712	373.3	10642.3(343.30)	7750.0(250.00)	0.0	540.00	328.07	19.6	0.900	306.15	306.15	5.50	705.88
225		6	30	709.712	361.9	8688.6(289.62)	8700.0(290.00)	0.0	540.00	375.26	23.2	0.900	300.46	300.46	5.50	709.67
226		7	31	709.512	306.1	3664.2(118.20)	3720.0(120.00)	0.0	540.00	160.39	9.6	0.900	300.59	300.59	5.50	709.58
227		8	31	708.812	036.4	2218.0(71.55)	2487.7(80.25)	0.0	540.00	107.05	6.4	0.900	301.19	301.19	5.50	709.17
228		9	30	707.311	454.4	1825.5(60.85)	2407.5(80.25)	0.0	540.00	103.04	6.4	0.900	302.81	302.81	5.50	708.09
						3556.0(116.68)	3506.5(115.19)	0.0	536.73	147.01		0.900	9440.	9440.	5.50	702.17
229	1959	10	31	706.411	078.7	2112.0(68.13)	2487.7(80.25)	0.0	540.00	105.83	6.3	0.900	304.66	304.66	5.50	706.86
230		11	30	705.210	628.1	1956.9(65.23)	2407.5(80.25)	0.0	540.00	101.86	6.3	0.900	306.31	306.31	5.50	705.78
231		12	31	703.0	9827.1	1686.7(54.41)	2487.7(80.25)	0.0	540.00	104.38	6.2	0.900	308.89	308.89	5.50	704.11
232		1	31	703.0	9816.5	2477.2(79.91)	2487.7(80.25)	0.0	540.00	103.80	6.2	0.900	310.60	310.60	5.50	703.02
233		2	29	695.0	7050.5	3614.0(124.62)	6380.0(220.00)	0.0	540.00	260.81	16.7	0.900	317.03	317.03	5.50	699.02
234		3	31	682.4	3209.1	5859.0(189.00)	9700.4(312.92)	0.0	504.64	373.88	23.9	0.896	314.23	314.23	5.50	688.71
235		4	30	693.6	6571.7	12761.1(425.37)	9398.5(313.28)	0.0	501.40	360.65	24.0	0.896	313.60	313.60	5.50	687.97
236		5	31	707.611	562.8	14721.5(474.89)	9730.4(313.88)	0.0	540.00	401.01	24.0	0.900	314.47	314.47	5.50	700.59
237		6	30	710.012	500.0	9962.7(332.09)	9000.0(300.00)	25.5	540.00	386.57	23.9	0.900	301.73	301.73	5.50	708.81
238		7	31	709.512	283.0	4743.0(153.00)	4960.0(160.00)	0.0	540.00	214.01	12.8	0.900	300.37	300.37	5.50	709.73
239		8	31	709.512	318.3	2523.0(81.39)	2487.7(80.25)	0.0	540.00	107.22	6.4	0.900	300.71	300.71	5.50	709.50
240		9	30	707.611	541.5	1630.7(54.36)	2407.5(80.25)	0.0	540.00	103.28	6.4	0.900	302.11	302.11	5.50	708.56
						5337.3(175.20)	5327.9(175.13)	2.1	533.84	218.61		0.899	9390.	9390.	5.50	702.72

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
241	1960	10	31	705.010	552.6	1498.8(48.35)	2487.7(80.25)	0.0	540.00	105.52	6.3	0.900	305.55	305.55	5.50	706.28
242		11	30	702.2	9512.5	1367.5(45.58)	2407.5(80.25)	0.0	540.00	100.74	6.2	0.900	309.72	309.72	5.50	703.58
243		12	31	698.9	8353.0	1328.2(42.85)	2487.7(80.25)	0.0	540.00	102.50	6.1	0.900	314.56	314.56	5.50	700.53
244		1	31	694.9	7007.4	1142.1(36.84)	2487.7(80.25)	0.0	540.00	100.58	6.0	0.900	320.55	320.55	5.50	696.90
245		2	28	691.5	5915.9	1155.6(41.27)	2247.0(80.25)	0.0	524.50	88.93	6.1	0.898	318.06	318.06	5.50	693.19
246		3	31	689.2	5214.9	1786.8(57.64)	2487.7(80.25)	0.0	511.83	96.82	6.1	0.897	315.63	315.63	5.50	690.34
247		4	30	697.8	7961.1	5153.7(171.79)	2407.5(80.25)	0.0	525.78	95.44	6.1	0.899	318.30	318.30	5.50	693.48
248		5	31	707.611	548.6	6075.3(195.98)	2487.7(80.25)	0.0	540.00	103.62	6.2	0.900	311.14	311.14	5.50	702.67
249		6	30	709.612	337.6	4389.0(146.30)	3600.0(120.00)	0.0	540.00	154.46	9.5	0.900	302.06	302.06	5.50	708.59
250		7	31	707.511	516.0	1666.2(53.75)	2487.7(80.25)	0.0	540.00	106.72	6.4	0.900	302.12	302.12	5.50	708.55
251		8	31	704.010	183.2	1154.9(37.25)	2487.7(80.25)	0.0	540.00	105.24	6.3	0.900	306.35	306.35	5.50	705.75
252		9	30	700.4	8886.4	1110.8(37.03)	2407.5(80.25)	0.0	540.00	100.04	6.2	0.900	311.88	311.88	5.50	702.21
						2319.1(76.22)	2540.3(83.56)	0.0	535.18	105.05		0.900	9468.	9468.	5.50	701.01
253	1961	10	31	696.6	7576.7	1178.1(38.00)	2487.7(80.25)	0.0	540.00	101.44	6.1	0.900	317.85	317.85	5.50	698.52
254		11	30	693.3	6478.2	1309.0(43.63)	2407.5(80.25)	0.0	532.34	96.26	6.0	0.899	319.54	319.54	5.50	694.94
255		12	31	690.8	5708.8	1718.3(55.43)	2487.7(80.25)	0.0	519.36	97.79	6.1	0.898	317.08	317.08	5.50	692.04
256		1	31	687.4	4658.2	1437.2(46.36)	2487.7(80.25)	0.0	506.31	96.10	6.1	0.897	314.56	314.56	5.50	689.09
257		2	28	684.7	3865.3	1454.0(51.93)	2247.0(80.25)	0.0	492.89	85.22	6.2	0.895	311.91	311.91	5.50	686.02
258		3	31	690.2	5521.0	4143.5(133.66)	2487.7(80.25)	0.0	499.07	95.16	6.2	0.896	313.14	313.14	5.50	687.44
259		4	30	703.1	9838.8	6725.3(224.18)	2407.5(80.25)	0.0	539.93	97.20	6.0	0.900	320.97	320.97	5.50	696.63
260		5	31	709.512	292.2	8653.4(279.14)	6200.0(200.00)	0.0	540.00	262.97	15.7	0.900	305.56	305.56	5.50	706.27
261		6	30	709.412	260.5	5968.3(198.94)	6000.0(200.00)	0.0	540.00	258.51	16.0	0.900	300.80	300.80	5.50	709.44
262		7	31	709.612	353.0	2882.5(92.99)	2790.0(90.00)	0.0	540.00	120.25	7.2	0.900	300.69	300.69	5.50	709.52
263		8	31	707.411	467.1	1601.8(51.67)	2487.7(80.25)	0.0	540.00	106.69	6.4	0.900	302.19	302.19	5.50	708.51
264		9	30	705.110	601.5	1541.9(51.40)	2407.5(80.25)	0.0	540.00	102.10	6.3	0.900	305.59	305.59	5.50	706.25
						3217.8(105.61)	3074.9(101.02)	0.0	527.49	126.64		0.899	9454.	9454.	5.50	698.72
265	1962	10	31	702.5	9636.5	1522.8(49.12)	2487.7(80.25)	0.0	540.00	104.22	6.2	0.900	309.35	309.35	5.50	703.81
266		11	30	700.0	8749.3	1520.3(50.68)	2407.5(80.25)	0.0	540.00	99.56	6.1	0.900	313.38	313.38	5.50	701.27
267		12	31	697.4	7826.1	1564.6(50.47)	2487.7(80.25)	0.0	540.00	101.53	6.1	0.900	317.56	317.56	5.50	698.70
268		1	31	694.8	6960.6	1622.2(52.33)	2487.7(80.25)	0.0	537.36	100.11	6.0	0.900	320.49	320.49	5.50	696.06
269		2	28	692.8	6315.5	1601.9(57.21)	2247.0(80.25)	0.0	527.02	89.22	6.0	0.899	318.54	318.54	5.50	693.76
270		3	31	670.0	0.0	2150.5(69.37)	8466.0(273.10)	0.0	472.84	312.06	21.3	0.893	307.87	307.87	5.50	681.38
271		4	30	676.6	1638.2	10638.2(354.61)	9000.0(300.00)	0.0	438.76	315.18	23.9	0.889	300.69	300.69	5.50	673.29
272		5	31	697.7	7948.1	15999.2(516.10)	9689.3(312.56)	0.0	497.83	369.99	24.0	0.896	312.89	312.89	5.50	687.15
273		6	30	710.012	500.0	15709.9(523.66)	9278.3(309.28)	1879.6	540.00	388.80	24.0	0.900	309.28	309.28	5.50	703.86
274		7	31	709.512	306.6	9106.6(293.76)	9300.0(300.00)	0.0	540.00	401.32	24.0	0.900	300.33	300.33	5.50	709.76
275		8	31	709.512	282.1	4005.5(129.21)	4030.0(130.00)	0.0	540.00	173.67	10.4	0.900	300.73	300.73	5.50	709.48
276		9	30	708.311	808.4	1933.8(64.46)	2407.5(80.25)	0.0	540.00	103.43	6.4	0.900	301.67	301.67	5.50	708.85
						5614.6(184.25)	5357.4(175.54)	156.6	521.15	213.26		0.898	9410.	9410.	5.50	697.28
277	1963	10	31	706.511	133.2	1812.6(58.47)	2487.7(80.25)	0.0	540.00	106.10	6.3	0.900	303.87	303.87	5.50	707.38
278		11	30	704.510	385.6	1659.9(55.33)	2407.5(80.25)	0.0	540.00	101.73	6.3	0.900	306.70	306.70	5.50	705.53
279		12	31	702.2	9511.1	1613.2(52.04)	2487.7(80.25)	0.0	540.00	103.98	6.2	0.900	310.07	310.07	5.50	703.35
280		1	31	699.5	8573.3	1550.0(50.00)	2487.7(80.25)	0.0	540.00	102.66	6.1	0.900	314.06	314.06	5.50	700.85
281		2	29	699.3	8509.8	2263.7(78.06)	2327.2(80.25)	0.0	540.00	95.34	6.1	0.900	316.34	316.34	5.50	699.44
282		3	31	702.7	9705.5	3683.4(118.82)	2487.7(80.25)	0.0	540.00	102.75	6.1	0.900	313.77	313.77	5.50	701.02
283		4	30	700.7	8997.6	8658.6(288.62)	9366.4(312.21)	0.0	540.00	388.24	24.0	0.900	312.66	312.66	5.50	701.72
284		5	31	707.711	573.0	12139.3(391.59)	9563.9(308.51)	0.0	540.00	401.44	24.0	0.900	308.76	308.76	5.50	704.19
285		6	30	709.412	276.5	9703.5(323.45)	9000.0(300.00)	0.0	540.00	386.06	23.8	0.900	302.13	302.13	5.50	708.55
286		7	31	709.712	396.2	3219.7(103.86)	3100.0(100.00)	0.0	540.00	133.66	8.0	0.900	300.58	300.58	5.50	709.59
287		8	31	708.111	729.7	1821.2(58.75)	2487.7(80.25)	0.0	540.00	106.90	6.4	0.900	301.60	301.60	5.50	708.90
288		9	30	706.110	970.7	1648.5(54.95)	2407.5(80.25)	0.0	540.00	102.52	6.3	0.900	304.34	304.34	5.50	707.07
						4147.8(136.16)	4217.6(138.56)	0.0	540.00	177.62		0.900	9390.	9390.	5.50	704.80

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
289	1964	10	31	703.910	140.5	1657.6(53.47)	2487.7(80.25)	0.0	540.00	104.84	6.3	0.900	307.53	307.53	5.50	704.98
290		11	30	701.7	9349.4	1616.4(53.88)	2407.5(80.25)	0.0	540.00	100.34	6.2	0.900	310.94	310.94	5.50	702.80
291		12	31	699.6	8613.5	1751.8(56.51)	2487.7(80.25)	0.0	540.00	102.57	6.1	0.900	314.32	314.32	5.50	700.68
292		1	31	696.9	7682.5	1556.8(50.22)	2487.7(80.25)	0.0	540.00	101.31	6.1	0.900	318.23	318.23	5.50	698.29
293		2	28	694.4	6855.7	1420.2(50.72)	2247.0(80.25)	0.0	535.68	90.23	6.0	0.900	320.17	320.17	5.50	695.69
294		3	31	696.7	7589.1	3221.2(103.91)	2487.7(80.25)	0.0	535.06	99.81	6.0	0.899	320.06	320.06	5.50	695.55
295		4	30	704.310	299.3	7810.2(260.34)	5100.0(170.00)	0.0	540.00	210.07	13.0	0.900	314.64	314.64	5.50	700.48
296		5	31	709.912	458.8	11149.4(359.66)	8990.0(290.00)	0.0	540.00	382.89	22.9	0.900	304.29	304.29	5.50	707.10
297		6	30	709.312	227.8	7869.0(262.30)	8100.0(270.00)	0.0	540.00	349.28	21.6	0.900	300.55	300.55	5.50	709.61
298		7	31	709.712	381.5	3563.8(114.96)	3410.0(110.00)	0.0	540.00	146.97	8.8	0.900	300.69	300.69	5.50	709.51
299		8	31	708.011	713.2	1819.4(58.69)	2487.7(80.25)	0.0	540.00	106.88	6.4	0.900	301.66	301.66	5.50	708.86
300		9	30	705.710	834.2	1528.5(50.95)	2407.5(80.25)	0.0	540.00	102.42	6.3	0.900	304.64	304.64	5.50	706.87
						3747.0(122.97)	3758.4(123.50)	0.0	539.23	158.13		0.900	9422.	9422.	5.50	703.37
301	1965	10	31	704.510	370.1	2023.7(65.28)	2487.7(80.25)	0.0	540.00	104.91	6.3	0.900	307.33	307.33	5.50	705.11
302		11	30	703.2	9871.5	1908.9(63.63)	2407.5(80.25)	0.0	540.00	100.87	6.2	0.900	309.33	309.33	5.50	703.83
303		12	31	701.2	9181.1	1797.4(57.98)	2487.7(80.25)	0.0	540.00	103.37	6.2	0.900	311.89	311.89	5.50	702.20
304		1	31	699.9	8717.0	2023.7(65.28)	2487.7(80.25)	0.0	540.00	102.53	6.1	0.900	314.46	314.46	5.50	700.59
305		2	28	699.0	8381.9	1911.8(68.28)	2247.0(80.25)	0.0	540.00	92.07	6.1	0.900	316.31	316.31	5.50	699.46
306		3	31	700.3	8848.1	2954.0(95.29)	2487.7(80.25)	0.0	540.00	102.03	6.1	0.900	316.00	316.00	5.50	699.65
307		4	30	703.710	063.4	7215.3(240.51)	6000.0(200.00)	0.0	540.00	249.05	15.4	0.900	312.22	312.22	5.50	701.99
308		5	31	709.712	365.2	11753.6(379.15)	9451.9(304.90)	0.0	540.00	401.69	24.0	0.900	304.95	304.95	5.50	706.67
309		6	30	709.912	458.8	6993.6(233.12)	6900.0(230.00)	0.0	540.00	297.78	18.4	0.900	300.30	300.30	5.50	709.78
310		7	31	709.712	366.4	3317.6(107.02)	3410.0(110.00)	0.0	540.00	147.17	8.8	0.900	300.29	300.29	5.50	709.78
311		8	31	708.011	692.8	1814.1(58.52)	2487.7(80.25)	0.0	540.00	106.85	6.4	0.900	301.73	301.73	5.50	708.81
312		9	30	706.110	994.1	1708.8(56.96)	2407.5(80.25)	0.0	540.00	102.51	6.3	0.900	304.37	304.37	5.50	707.05
						3785.2(124.25)	3771.9(123.91)	0.0	540.00	159.24		0.900	9375.	9375.	5.50	704.58
313	1966	10	31	703.510	016.9	1510.6(48.73)	2487.7(80.25)	0.0	540.00	104.77	6.3	0.900	307.74	307.74	5.50	704.85
314		11	30	701.0	9075.8	1466.4(48.88)	2407.5(80.25)	0.0	540.00	100.06	6.2	0.900	311.81	311.81	5.50	702.25
315		12	31	698.3	8157.9	1569.8(50.64)	2487.7(80.25)	0.0	540.00	102.03	6.1	0.900	316.01	316.01	5.50	699.64
316		1	31	695.2	7108.9	1438.7(46.41)	2487.7(80.25)	0.0	540.00	100.52	6.0	0.900	320.76	320.76	5.50	696.77
317		2	28	692.3	6186.8	1325.0(47.32)	2247.0(80.25)	0.0	527.12	89.24	6.0	0.899	318.56	318.56	5.50	693.78
318		3	31	690.9	5750.7	2051.6(66.18)	2487.7(80.25)	0.0	517.62	97.57	6.1	0.898	316.75	316.75	5.50	691.65
319		4	30	701.4	9238.8	5895.6(196.52)	2407.5(80.25)	0.0	537.89	96.95	6.0	0.900	320.59	320.59	5.50	696.18
320		5	31	709.612	335.3	11776.6(379.89)	8680.0(280.00)	0.0	540.00	366.74	21.9	0.900	306.74	306.74	5.50	705.50
321		6	30	709.912	461.6	7626.3(254.21)	7500.0(250.00)	0.0	540.00	323.63	20.0	0.900	300.35	300.35	5.50	709.75
322		7	31	709.912	456.7	5885.0(189.84)	5890.0(190.00)	0.0	540.00	254.34	15.2	0.900	300.12	300.12	5.50	709.90
323		8	31	709.712	369.9	2703.2(87.20)	2790.0(90.00)	0.0	540.00	120.41	7.2	0.900	300.29	300.29	5.50	709.78
324		9	30	709.212	178.8	2216.4(73.88)	2407.5(80.25)	0.0	540.00	103.72	6.4	0.900	300.81	300.81	5.50	709.43
						3788.8(124.14)	3690.0(121.00)	0.0	536.89	155.00		0.900	9429.	9429.	5.50	702.46
325	1967	10	31	707.711	576.1	1885.1(60.81)	2487.7(80.25)	0.0	540.00	106.65	6.4	0.900	302.30	302.30	5.50	708.43
326		11	30	706.210	998.6	1830.0(61.00)	2407.5(80.25)	0.0	540.00	102.44	6.3	0.900	304.58	304.58	5.50	706.91
327		12	31	705.810	865.6	2354.8(75.96)	2487.7(80.25)	0.0	540.00	105.37	6.3	0.900	305.99	305.99	5.50	705.99
328		1	31	703.610	048.5	1972.8(63.64)	2790.0(90.00)	0.0	540.00	117.42	7.0	0.900	307.94	307.94	5.50	704.72
329		2	29	686.0	4247.3	3188.8(109.96)	8990.0(310.00)	0.0	531.73	359.16	23.3	0.899	319.43	319.43	5.50	694.81
330		3	31	670.0	0.0	5004.9(161.45)	9252.2(298.46)	0.0	458.44	333.89	23.5	0.892	304.88	304.88	5.50	677.99
331		4	30	697.1	7743.5	17023.0(567.43)	9279.5(309.32)	0.0	482.22	346.68	24.0	0.894	309.77	309.77	5.50	683.56
332		5	31	710.012	500.0	18726.6(604.08)	9602.2(309.75)	4367.9	540.00	401.76	24.0	0.900	309.75	309.75	5.50	703.56
333		6	30	710.012	500.0	10863.7(362.12)	8999.2(299.97)	1864.5	540.00	388.80	24.0	0.900	299.97	299.97	5.50	710.00
334		7	31	710.012	497.8	4957.8(159.93)	4960.0(160.00)	0.0	540.00	214.29	12.8	0.900	299.98	299.98	5.50	710.00
335		8	31	709.312	222.9	2825.0(91.13)	3100.0(100.00)	0.0	540.00	133.70	8.0	0.900	300.49	300.49	5.50	709.65
336		9	30	709.912	458.1	2642.7(88.09)	2407.5(80.25)	0.0	540.00	103.81	6.4	0.900	300.56	300.56	5.50	709.60
						6106.3(200.47)	5563.6(183.21)	519.4	527.70	226.16		0.899	9315.	9315.	5.50	702.10

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
337	1968	10	31	709.412273.6		2605.5(84.05)	2790.0(90.00)	0.0	540.00	120.34	7.2	0.900	300.47	300.47	5.50	709.66
338		11	30	710.012500.0		2665.5(88.85)	2407.5(80.25)	31.6	540.00	103.87	6.4	0.900	300.39	300.39	5.50	709.72
339		12	31	709.312235.3		2223.0(71.71)	2487.7(80.25)	0.0	540.00	107.31	6.4	0.900	300.46	300.46	5.50	709.67
340		1	31	707.911683.1		1935.6(62.44)	2487.7(80.25)	0.0	540.00	106.76	6.4	0.900	301.99	301.99	5.50	708.64
341		2	28	706.611173.8		1737.7(62.06)	2247.0(80.25)	0.0	540.00	95.78	6.3	0.900	304.03	304.03	5.50	707.28
342		3	31	699.2 8442.1		4398.3(141.88)	7130.0(230.00)	0.0	540.00	297.31	17.8	0.900	310.80	310.80	5.50	702.89
343		4	30	699.4 8515.6		9373.5(312.45)	9300.0(310.00)	0.0	540.00	380.65	23.5	0.900	316.63	316.63	5.50	699.26
344		5	31	709.912452.2		13480.3(434.85)	9543.7(307.86)	0.0	540.00	401.46	24.0	0.900	308.09	308.09	5.50	704.62
345		6	30	709.412266.5		6414.3(213.81)	6600.0(220.00)	0.0	540.00	284.65	17.6	0.900	300.49	300.49	5.50	709.65
346		7	31	709.812421.8		2945.3(95.01)	2790.0(90.00)	0.0	540.00	120.31	7.2	0.900	300.55	300.55	5.50	709.61
347		8	31	708.611957.1		2023.1(65.26)	2487.7(80.25)	0.0	540.00	107.07	6.4	0.900	301.13	301.13	5.50	709.22
348		9	30	707.411474.1		1924.5(64.15)	2407.5(80.25)	0.0	540.00	103.00	6.4	0.900	302.92	302.92	5.50	708.02
						4310.6(141.38)	4389.9(144.11)	2.6	540.00	185.71		0.900	9246.	9246.	5.50	707.35
349	1969	10	31	706.811240.4		2254.0(72.71)	2487.7(80.25)	0.0	540.00	105.95	6.3	0.900	304.30	304.30	5.50	707.09
350		11	30	705.010572.6		1739.7(57.99)	2407.5(80.25)	0.0	540.00	101.93	6.3	0.900	306.10	306.10	5.50	705.92
351		12	31	702.9 9792.0		1707.2(55.07)	2487.7(80.25)	0.0	540.00	104.31	6.2	0.900	309.08	309.08	5.50	703.99
352		1	31	700.5 8907.2		1603.0(51.71)	2487.7(80.25)	0.0	540.00	103.11	6.2	0.900	312.68	312.68	5.50	701.71
353		2	28	698.7 8283.1		1622.9(57.96)	2247.0(80.25)	0.0	540.00	92.13	6.1	0.900	316.10	316.10	5.50	699.59
354		3	31	699.9 8692.9		2897.6(93.47)	2487.7(80.25)	0.0	540.00	101.84	6.1	0.900	316.60	316.60	5.50	699.28
355		4	30	709.812416.2		7323.3(244.11)	3600.0(120.00)	0.0	540.00	151.60	9.4	0.900	307.77	307.77	5.50	704.83
356		5	31	709.412249.7		6343.5(204.63)	6510.0(210.00)	0.0	540.00	280.68	16.8	0.900	300.59	300.59	5.50	709.58
357		6	30	709.812428.8		4079.1(135.97)	3900.0(130.00)	0.0	540.00	168.16	10.4	0.900	300.57	300.57	5.50	709.60
358		7	31	709.412262.7		2321.6(74.89)	2487.7(80.25)	0.0	540.00	107.28	6.4	0.900	300.54	300.54	5.50	709.61
359		8	31	707.811616.0		1841.1(59.39)	2487.7(80.25)	0.0	540.00	106.73	6.4	0.900	302.07	302.07	5.50	708.58
360		9	30	705.810863.0		1654.5(55.15)	2407.5(80.25)	0.0	540.00	102.37	6.3	0.900	304.78	304.78	5.50	706.78
						2949.0(96.92)	2999.9(98.52)	0.0	540.00	127.17		0.900	9329.	9329.	5.50	705.55
361	1970	10	31	704.310279.6		1904.3(61.43)	2487.7(80.25)	0.0	540.00	104.86	6.3	0.900	307.46	307.46	5.50	705.03
362		11	30	702.3 9550.9		1678.8(55.96)	2407.5(80.25)	0.0	540.00	100.58	6.2	0.900	310.21	310.21	5.50	703.26
363		12	31	700.1 8782.4		1719.3(55.46)	2487.7(80.25)	0.0	540.00	102.85	6.1	0.900	313.49	313.49	5.50	701.20
364		1	31	697.3 7795.4		1500.7(48.41)	2487.7(80.25)	0.0	540.00	101.53	6.1	0.900	317.56	317.56	5.50	698.70
365		2	28	694.5 6887.6		1339.2(47.83)	2247.0(80.25)	0.0	536.69	90.34	6.0	0.900	320.35	320.35	5.50	695.90
366		3	31	696.1 7391.0		2991.2(96.49)	2487.7(80.25)	0.0	533.94	99.67	6.0	0.899	319.85	319.85	5.50	695.30
367		4	30	704.310285.1		5301.6(176.72)	2407.5(80.25)	0.0	540.00	99.00	6.1	0.900	315.15	315.15	5.50	700.17
368		5	31	709.612350.6		10125.5(326.63)	8060.0(260.00)	0.0	540.00	343.02	20.5	0.900	304.53	304.53	5.50	706.95
369		6	30	709.312225.5		7674.9(255.83)	7800.0(260.00)	0.0	540.00	336.11	20.7	0.900	300.76	300.76	5.50	709.47
370		7	31	710.012484.1		3358.5(108.34)	3100.0(100.00)	0.0	540.00	133.69	8.0	0.900	300.51	300.51	5.50	709.64
371		8	31	710.012500.0		2535.2(81.78)	2487.7(80.25)	31.5	540.00	107.47	6.4	0.900	300.00	300.00	5.50	709.98
372		9	30	707.911671.1		1578.6(52.62)	2407.5(80.25)	0.0	540.00	103.48	6.4	0.900	301.52	301.52	5.50	708.95
						3475.7(113.96)	3405.7(111.85)	2.6	539.22	143.55		0.900	9405.	9405.	5.50	703.71
373	1971	10	31	705.910885.9		1702.5(54.92)	2487.7(80.25)	0.0	540.00	105.84	6.3	0.900	304.62	304.62	5.50	706.88
374		11	30	703.710089.7		1611.3(53.71)	2407.5(80.25)	0.0	540.00	101.37	6.3	0.900	307.81	307.81	5.50	704.80
375		12	31	702.2 9513.1		1911.1(61.65)	2487.7(80.25)	0.0	540.00	103.77	6.2	0.900	310.69	310.69	5.50	702.96
376		1	31	699.4 8528.5		1503.2(48.49)	2487.7(80.25)	0.0	540.00	102.63	6.1	0.900	314.15	314.15	5.50	700.79
377		2	29	696.7 7618.5		1417.2(48.87)	2327.2(80.25)	0.0	540.00	94.67	6.0	0.900	318.59	318.59	5.50	698.07
378		3	31	696.5 7533.8		2403.1(77.52)	2487.7(80.25)	0.0	539.89	100.43	6.0	0.900	320.96	320.96	5.50	696.62
379		4	30	709.312229.4		7695.6(256.52)	3000.0(100.00)	0.0	540.00	125.11	7.7	0.900	310.77	310.77	5.50	702.91
380		5	31	710.012481.8		8312.3(268.14)	8060.0(260.00)	0.0	540.00	347.61	20.8	0.900	300.51	300.51	5.50	709.64
381		6	30	709.912457.5		8675.7(289.19)	8700.0(290.00)	0.0	540.00	375.73	23.2	0.900	300.08	300.08	5.50	709.92
382		7	31	710.012500.0		3780.8(121.96)	3720.0(120.00)	18.2	540.00	160.68	9.6	0.900	300.05	300.05	5.50	709.95
383		8	31	709.012095.1		2082.9(67.19)	2487.7(80.25)	0.0	540.00	107.21	6.4	0.900	300.72	300.72	5.50	709.49
384		9	30	708.011710.8		2023.2(67.44)	2407.5(80.25)	0.0	540.00	103.25	6.4	0.900	302.20	302.20	5.50	708.49
						3593.2(117.97)	3588.4(117.67)	1.5	539.99	152.36		0.900	9381.	9381.	5.50	705.04

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
385	1972	10	31	706.711	209.3	1986.2(64.07)	2487.7(80.25)	0.0	540.00	106.09	6.3	0.900	303.91	303.91	5.50	707.36
386		11	30	705.410	718.7	1917.0(63.90)	2407.5(80.25)	0.0	540.00	102.01	6.3	0.900	305.86	305.86	5.50	706.07
387		12	31	703.0	9799.6	1568.6(50.60)	2487.7(80.25)	0.0	540.00	104.42	6.2	0.900	308.76	308.76	5.50	704.19
388		1	31	700.0	8734.4	1422.6(45.89)	2487.7(80.25)	0.0	540.00	102.99	6.2	0.900	313.05	313.05	5.50	701.47
389		2	28	698.1	8081.7	1594.3(56.94)	2247.0(80.25)	0.0	540.00	91.87	6.1	0.900	316.98	316.98	5.50	699.05
390		3	31	696.7	7589.5	1995.5(64.37)	2487.7(80.25)	0.0	540.00	100.84	6.0	0.900	319.73	319.73	5.50	697.39
391		4	30	702.0	9444.4	4262.4(142.08)	2407.5(80.25)	0.0	540.00	98.57	6.1	0.900	316.54	316.54	5.50	699.32
392		5	31	709.412	272.2	8407.8(271.22)	5580.0(180.00)	0.0	540.00	236.00	14.1	0.900	306.42	306.42	5.50	705.70
393		6	30	710.012	500.0	7734.1(257.80)	7500.0(250.00)	6.3	540.00	323.58	20.0	0.900	300.39	300.39	5.50	709.71
394		7	31	710.012	500.0	3437.0(110.87)	3410.0(110.00)	27.0	540.00	147.33	8.8	0.900	299.97	299.97	5.50	710.00
395		8	31	708.011	693.4	1681.1(54.23)	2487.7(80.25)	0.0	540.00	106.94	6.4	0.900	301.48	301.48	5.50	708.98
396		9	30	705.310	669.8	1383.9(46.13)	2407.5(80.25)	0.0	540.00	102.29	6.3	0.900	305.01	305.01	5.50	706.63
						3115.9(102.34)	3199.9(105.19)	2.8	540.00	135.24		0.900	9372.	9372.	5.50	704.65
397	1973	10	31	702.9	9789.7	1607.7(51.86)	2487.7(80.25)	0.0	540.00	104.38	6.2	0.900	308.88	308.88	5.50	704.11
398		11	30	701.2	9157.6	1775.4(59.18)	2407.5(80.25)	0.0	540.00	99.96	6.2	0.900	312.12	312.12	5.50	702.06
399		12	31	698.7	8281.5	1611.7(51.99)	2487.7(80.25)	0.0	540.00	102.18	6.1	0.900	315.53	315.53	5.50	699.94
400		1	31	695.3	7152.5	1358.7(43.83)	2487.7(80.25)	0.0	540.00	100.64	6.0	0.900	320.35	320.35	5.50	697.02
401		2	28	692.4	6195.5	1290.0(46.07)	2247.0(80.25)	0.0	527.48	89.28	6.0	0.899	318.63	318.63	5.50	693.86
402		3	31	694.0	6699.8	2992.1(96.52)	2487.7(80.25)	0.0	524.38	98.44	6.1	0.898	318.04	318.04	5.50	693.17
403		4	30	699.8	8665.4	4373.1(145.77)	2407.5(80.25)	0.0	540.00	97.32	6.0	0.900	320.59	320.59	5.50	696.88
404		5	31	709.612	332.1	8936.7(288.28)	5270.0(170.00)	0.0	540.00	221.76	13.2	0.900	307.99	307.99	5.50	704.69
405		6	30	709.612	321.3	5089.2(169.64)	5100.0(170.00)	0.0	540.00	219.87	13.6	0.900	300.61	300.61	5.50	709.57
406		7	31	708.611	944.2	2110.6(68.09)	2487.7(80.25)	0.0	540.00	106.99	6.4	0.900	301.34	301.34	5.50	709.08
407		8	31	706.211	011.8	1555.3(50.17)	2487.7(80.25)	0.0	540.00	106.11	6.3	0.900	303.85	303.85	5.50	707.40
408		9	30	705.210	630.6	2026.3(67.54)	2407.5(80.25)	0.0	540.00	101.82	6.3	0.900	306.44	306.44	5.50	705.69
						2893.9(94.91)	2897.2(95.21)	0.0	537.65	120.73		0.900	9464.	9464.	5.50	701.95
409	1974	10	31	702.4	9606.4	1463.6(47.21)	2487.7(80.25)	0.0	540.00	104.22	6.2	0.900	309.36	309.36	5.50	703.81
410		11	30	699.7	8623.7	1424.7(47.49)	2407.5(80.25)	0.0	540.00	99.45	6.1	0.900	313.73	313.73	5.50	701.05
411		12	31	696.6	7566.3	1430.3(46.14)	2487.7(80.25)	0.0	540.00	101.23	6.0	0.900	318.49	318.49	5.50	698.13
412		1	31	693.2	6450.0	1371.4(44.24)	2487.7(80.25)	0.0	532.07	99.43	6.0	0.899	319.49	319.49	5.50	694.88
413		2	28	690.0	5452.6	1249.6(44.63)	2247.0(80.25)	0.0	517.30	88.09	6.1	0.898	316.68	316.68	5.50	691.58
414		3	31	690.1	5482.1	2517.2(81.20)	2487.7(80.25)	0.0	510.42	96.64	6.1	0.897	315.36	315.36	5.50	690.02
415		4	30	704.710	456.0	7381.4(246.05)	2407.5(80.25)	0.0	540.00	97.59	6.0	0.900	319.71	319.71	5.50	697.40
416		5	31	709.612	344.4	7778.4(250.92)	5890.0(190.00)	0.0	540.00	250.94	15.0	0.900	304.19	304.19	5.50	707.17
417		6	30	709.312	214.0	6169.6(205.65)	6300.0(210.00)	0.0	540.00	271.45	16.8	0.900	300.79	300.79	5.50	709.45
418		7	31	709.712	369.2	2643.0(85.26)	2487.7(80.25)	0.0	540.00	107.21	6.4	0.900	300.74	300.74	5.50	709.48
419		8	31	707.111	358.2	1476.7(47.64)	2487.7(80.25)	0.0	540.00	106.63	6.4	0.900	302.36	302.36	5.50	708.39
420		9	30	704.610	409.2	1458.5(48.62)	2407.5(80.25)	0.0	540.00	101.90	6.3	0.900	306.20	306.20	5.50	705.85
						3030.4(99.59)	3048.8(100.21)	0.0	534.98	127.06		0.899	9446.	9446.	5.50	701.43
421	1975	10	31	702.5	9623.3	1701.9(54.90)	2487.7(80.25)	0.0	540.00	104.08	6.2	0.900	309.78	309.78	5.50	703.54
422		11	30	699.8	8677.0	1461.2(48.71)	2407.5(80.25)	0.0	540.00	99.50	6.1	0.900	313.57	313.57	5.50	701.15
423		12	31	696.5	7547.4	1358.1(43.81)	2487.7(80.25)	0.0	540.00	101.26	6.0	0.900	318.41	318.41	5.50	698.18
424		1	31	693.5	6552.3	1492.6(48.15)	2487.7(80.25)	0.0	532.66	99.51	6.0	0.899	319.61	319.61	5.50	695.02
425		2	29	690.6	5652.1	1427.1(49.21)	2327.2(80.25)	0.0	519.46	91.50	6.1	0.898	317.10	317.10	5.50	692.06
426		3	31	691.3	5864.9	2700.5(87.11)	2487.7(80.25)	0.0	514.62	97.18	6.1	0.897	316.17	316.17	5.50	690.97
427		4	30	702.5	9633.8	7668.9(255.63)	3900.0(130.00)	0.0	540.00	157.69	9.7	0.900	320.53	320.53	5.50	696.91
428		5	31	708.611	934.9	11803.9(380.77)	9502.7(306.54)	0.0	540.00	401.58	24.0	0.900	306.68	306.68	5.50	705.54
429		6	30	709.912	459.9	9525.0(317.50)	9000.0(300.00)	0.0	540.00	387.38	23.9	0.900	301.10	301.10	5.50	709.24
430		7	31	709.812	404.4	4594.5(148.21)	4650.0(150.00)	0.0	540.00	200.73	12.0	0.900	300.22	300.22	5.50	709.83
431		8	31	708.812	011.7	2095.0(67.58)	2487.7(80.25)	0.0	540.00	107.09	6.4	0.900	301.06	301.06	5.50	709.27
432		9	30	707.011	303.1	1698.9(56.63)	2407.5(80.25)	0.0	540.00	102.92	6.4	0.900	303.15	303.15	5.50	707.86
						3960.6(129.85)	3886.1(127.38)	0.0	535.56	162.54		0.900	9473.	9473.	5.50	701.63

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
433	1976	10	31	706.010	920.8	2105.5(67.92)	2487.7(80.25)	0.0	540.00	105.61	6.3	0.900	305.27	305.27	5.50	706.46
434		11	30	704.110	218.5	1705.2(56.84)	2407.5(80.25)	0.0	540.00	101.48	6.3	0.900	307.47	307.47	5.50	705.02
435		12	31	701.6	9300.0	1569.2(50.62)	2487.7(80.25)	0.0	540.00	103.71	6.2	0.900	310.89	310.89	5.50	702.84
436		1	31	698.4	8186.2	1373.9(44.32)	2487.7(80.25)	0.0	540.00	102.21	6.1	0.900	315.43	315.43	5.50	700.00
437		2	28	696.0	7369.1	1430.0(51.07)	2247.0(80.25)	0.0	540.00	90.99	6.0	0.900	320.03	320.03	5.50	697.21
438		3	31	696.0	7358.0	2476.6(79.89)	2487.7(80.25)	0.0	537.02	100.06	6.0	0.900	320.42	320.42	5.50	695.98
439		4	30	705.610	787.6	5837.1(194.57)	2407.5(80.25)	0.0	540.00	99.32	6.1	0.900	314.15	314.15	5.50	700.79
440		5	31	710.012	497.2	10699.6(345.15)	8990.0(290.00)	0.0	540.00	384.22	23.0	0.900	303.24	303.24	5.50	707.80
441		6	30	709.512	288.4	6991.2(233.04)	7200.0(240.00)	0.0	540.00	310.66	19.2	0.900	300.37	300.37	5.50	709.73
442		7	31	709.512	285.3	3406.9(109.90)	3410.0(110.00)	0.0	540.00	146.94	8.8	0.900	300.76	300.76	5.50	709.47
443		8	31	708.411	873.6	2076.1(66.97)	2487.7(80.25)	0.0	540.00	106.92	6.4	0.900	301.54	301.54	5.50	708.94
444		9	30	706.311	050.4	1584.3(52.81)	2407.5(80.25)	0.0	540.00	102.67	6.3	0.900	303.91	303.91	5.50	707.36
						3438.0(112.76)	3459.0(113.52)	0.0	539.75	146.23		0.900	9385.	9385.	5.50	704.30
445	1977	10	31	704.610	396.3	1833.6(59.15)	2487.7(80.25)	0.0	540.00	105.08	6.3	0.900	306.84	306.84	5.50	705.43
446		11	30	702.6	9653.5	1664.7(55.49)	2407.5(80.25)	0.0	540.00	100.73	6.2	0.900	309.74	309.74	5.50	703.56
447		12	31	699.7	8638.3	1472.5(47.50)	2487.7(80.25)	0.0	540.00	102.81	6.1	0.900	313.59	313.59	5.50	701.14
448		1	31	696.6	7575.6	1425.1(45.97)	2487.7(80.25)	0.0	540.00	101.25	6.0	0.900	318.43	318.43	5.50	698.17
449		2	28	695.1	7057.3	1728.7(61.74)	2247.0(80.25)	0.0	536.36	90.31	6.0	0.900	320.30	320.30	5.50	695.84
450		3	31	696.9	7677.3	3107.7(100.25)	2487.7(80.25)	0.0	537.04	100.07	6.0	0.900	320.43	320.43	5.50	695.99
451		4	30	701.4	9246.6	7869.3(262.31)	6300.0(210.00)	0.0	540.00	257.75	15.9	0.900	316.77	316.77	5.50	699.18
452		5	31	710.012	488.7	12439.7(401.28)	9197.6(296.70)	0.0	540.00	389.00	23.2	0.900	306.43	306.43	5.50	705.70
453		6	30	708.111	731.2	8242.5(274.75)	9000.0(300.00)	0.0	540.00	386.96	23.9	0.900	301.43	301.43	5.50	709.01
454		7	31	709.812	428.4	4417.2(142.49)	3720.0(120.00)	0.0	540.00	159.88	9.6	0.900	301.54	301.54	5.50	708.94
455		8	31	709.112	125.8	2185.2(70.49)	2487.7(80.25)	0.0	540.00	107.19	6.4	0.900	300.80	300.80	5.50	709.44
456		9	30	706.911	296.3	1578.0(52.60)	2407.5(80.25)	0.0	540.00	102.99	6.4	0.900	302.94	302.94	5.50	708.00
						3997.0(131.17)	3976.5(130.72)	0.0	539.45	167.00		0.900	9425.	9425.	5.50	703.37
457	1978	10	31	704.810	500.2	1691.7(54.57)	2487.7(80.25)	0.0	540.00	105.32	6.3	0.900	306.14	306.14	5.50	705.89
458		11	30	702.8	9725.6	1632.9(54.43)	2407.5(80.25)	0.0	540.00	100.85	6.2	0.900	309.37	309.37	5.50	703.80
459		12	31	700.4	8887.4	1649.5(53.21)	2487.7(80.25)	0.0	540.00	103.05	6.2	0.900	312.87	312.87	5.50	701.59
460		1	31	698.0	8042.3	1642.7(52.99)	2487.7(80.25)	0.0	540.00	101.80	6.1	0.900	316.72	316.72	5.50	699.21
461		2	28	696.6	7572.2	1776.9(63.46)	2247.0(80.25)	0.0	540.00	91.04	6.0	0.900	319.87	319.87	5.50	697.30
462		3	31	696.8	7634.5	2550.1(82.26)	2487.7(80.25)	0.0	540.00	100.48	6.0	0.900	320.88	320.88	5.50	696.70
463		4	30	704.510	371.4	5144.4(171.48)	2407.5(80.25)	0.0	540.00	99.25	6.1	0.900	314.38	314.38	5.50	700.65
464		5	31	709.412	245.0	8693.6(280.44)	6820.0(220.00)	0.0	540.00	290.22	17.3	0.900	304.55	304.55	5.50	706.93
465		6	30	709.612	346.7	8801.7(293.39)	8700.0(290.00)	0.0	540.00	374.93	23.1	0.900	300.73	300.73	5.50	709.49
466		7	31	709.412	271.7	4575.0(147.58)	4650.0(150.00)	0.0	540.00	200.43	12.0	0.900	300.68	300.68	5.50	709.52
467		8	31	708.211	777.3	1993.3(64.30)	2487.7(80.25)	0.0	540.00	106.85	6.4	0.900	301.74	301.74	5.50	708.80
468		9	30	705.710	815.5	1445.7(48.19)	2407.5(80.25)	0.0	540.00	102.45	6.3	0.900	304.56	304.56	5.50	706.93
						3466.4(113.86)	3506.5(115.19)	0.0	540.00	148.05		0.900	9408.	9408.	5.50	703.90
469	1979	10	31	704.010	181.8	1854.1(59.81)	2487.7(80.25)	0.0	540.00	104.76	6.3	0.900	307.76	307.76	5.50	704.84
470		11	30	705.210	624.0	2849.7(94.99)	2407.5(80.25)	0.0	540.00	101.25	6.3	0.900	308.15	308.15	5.50	704.58
471		12	31	704.410	350.0	2213.7(71.41)	2487.7(80.25)	0.0	540.00	104.75	6.3	0.900	307.80	307.80	5.50	704.81
472		1	31	702.7	9703.9	1841.7(59.41)	2487.7(80.25)	0.0	540.00	104.09	6.2	0.900	309.73	309.73	5.50	703.57
473		2	29	700.8	9025.0	1648.4(56.84)	2327.2(80.25)	0.0	540.00	96.48	6.2	0.900	312.60	312.60	5.50	701.75
474		3	31	698.1	8091.9	3406.9(109.90)	4340.0(140.00)	0.0	540.00	177.84	10.6	0.900	316.28	316.28	5.50	699.48
475		4	30	703.0	9801.5	11128.2(370.94)	9418.7(313.96)	0.0	540.00	388.08	24.0	0.900	314.53	314.53	5.50	700.55
476		5	31	709.912	456.4	12117.5(390.89)	9462.6(305.24)	0.0	540.00	401.66	24.0	0.900	305.32	305.32	5.50	706.43
477		6	30	709.212	189.1	6032.7(201.09)	6300.0(210.00)	0.0	540.00	271.59	16.8	0.900	300.63	300.63	5.50	709.56
478		7	31	709.712	386.5	2987.5(96.37)	2790.0(90.00)	0.0	540.00	120.22	7.2	0.900	300.76	300.76	5.50	709.47
479		8	31	708.111	738.6	1839.8(59.35)	2487.7(80.25)	0.0	540.00	106.90	6.4	0.900	301.60	301.60	5.50	708.90
480		9	30	705.710	838.9	1507.8(50.26)	2407.5(80.25)	0.0	540.00	102.44	6.3	0.900	304.59	304.59	5.50	706.91
						4119.0(135.10)	4117.0(135.08)	0.0	540.00	173.34		0.900	9377.	9377.	5.50	705.07

*** OPTIMAL SCHEDULE ***

Yusufeli Project

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
481	1980	10	31	703.910	133.4	1782.2(57.49)	2487.7(80.25)	0.0	540.00	104.74	6.3	0.900	307.81	307.81	5.50	704.80
482		11	30	702.0	9447.9	1722.0(57.40)	2407.5(80.25)	0.0	540.00	100.41	6.2	0.900	310.74	310.74	5.50	702.93
483		12	31	699.9	8714.1	1754.0(56.58)	2487.7(80.25)	0.0	540.00	102.72	6.1	0.900	313.87	313.87	5.50	700.96
484		1	31	697.3	7799.9	1573.6(50.76)	2487.7(80.25)	0.0	540.00	101.48	6.1	0.900	317.71	317.71	5.50	698.61
485		2	28	694.6	6902.2	1349.3(48.19)	2247.0(80.25)	0.0	536.79	90.35	6.0	0.900	320.38	320.38	5.50	695.93
486		3	31	694.2	6763.0	2348.6(75.76)	2487.7(80.25)	0.0	529.75	99.13	6.0	0.899	319.06	319.06	5.50	694.37
487		4	30	699.5	8546.8	4191.3(139.71)	2407.5(80.25)	0.0	540.00	97.29	6.0	0.900	320.71	320.71	5.50	696.80
488		5	31	708.711	977.9	7771.1(250.68)	4340.0(140.00)	0.0	540.00	182.06	10.9	0.900	308.95	308.95	5.50	704.07
489		6	30	709.412	269.3	9291.4(309.71)	9000.0(300.00)	0.0	540.00	387.03	23.9	0.900	301.37	301.37	5.50	709.05
490		7	31	709.912	458.4	4529.1(146.10)	4340.0(140.00)	0.0	540.00	187.19	11.2	0.900	300.48	300.48	5.50	709.66
491		8	31	708.912	061.3	2090.6(67.44)	2487.7(80.25)	0.0	540.00	107.16	6.4	0.900	300.86	300.86	5.50	709.40
492		9	30	707.011	330.5	1676.7(55.89)	2407.5(80.25)	0.0	540.00	102.97	6.4	0.900	303.00	303.00	5.50	707.96
						3340.0(109.64)	3299.0(108.52)	0.0	538.88	138.55		0.900	9440.	9440.	5.50	702.88
493	1981	10	31	705.010	568.8	1726.1(55.68)	2487.7(80.25)	0.0	540.00	105.39	6.3	0.900	305.93	305.93	5.50	706.03
494		11	30	703.4	9950.8	1789.5(59.65)	2407.5(80.25)	0.0	540.00	101.06	6.2	0.900	308.75	308.75	5.50	704.20
495		12	31	701.4	9234.1	1771.0(57.13)	2487.7(80.25)	0.0	540.00	103.47	6.2	0.900	311.60	311.60	5.50	702.38
496		1	31	698.9	8345.0	1598.7(51.57)	2487.7(80.25)	0.0	540.00	102.29	6.1	0.900	315.21	315.21	5.50	700.14
497		2	28	696.0	7368.6	1270.6(45.38)	2247.0(80.25)	0.0	540.00	91.10	6.0	0.900	319.65	319.65	5.50	697.44
498		3	31	693.8	6664.6	1783.7(57.54)	2487.7(80.25)	0.0	532.25	99.45	6.0	0.899	319.53	319.53	5.50	694.92
499		4	30	705.510	756.9	7092.3(236.41)	3000.0(100.00)	0.0	540.00	123.06	7.6	0.900	315.94	315.94	5.50	699.69
500		5	31	710.012	491.8	10843.8(349.80)	9108.9(293.84)	0.0	540.00	389.21	23.3	0.900	303.31	303.31	5.50	707.75
501		6	30	709.912	450.9	6559.1(218.64)	6600.0(220.00)	0.0	540.00	285.05	17.6	0.900	300.08	300.08	5.50	709.93
502		7	31	709.912	465.6	2804.7(90.47)	2790.0(90.00)	0.0	540.00	120.48	7.2	0.900	300.13	300.13	5.50	709.90
503		8	31	707.711	606.5	1628.6(52.54)	2487.7(80.25)	0.0	540.00	106.86	6.4	0.900	301.71	301.71	5.50	708.83
504		9	30	705.310	666.3	1467.3(48.91)	2407.5(80.25)	0.0	540.00	102.24	6.3	0.900	305.19	305.19	5.50	706.51
						3361.3(110.31)	3416.6(112.15)	0.0	539.35	144.14		0.900	9394.	9394.	5.50	703.97
505	1982	10	31	702.6	9684.7	1506.1(48.58)	2487.7(80.25)	0.0	540.00	104.30	6.2	0.900	309.11	309.11	5.50	703.96
506		11	30	700.0	8729.7	1452.6(48.42)	2407.5(80.25)	0.0	540.00	99.58	6.1	0.900	313.31	313.31	5.50	701.31
507		12	31	696.6	7574.1	1332.1(42.97)	2487.7(80.25)	0.0	540.00	101.32	6.1	0.900	318.22	318.22	5.50	698.30
508		1	31	692.7	6296.8	1210.5(39.05)	2487.7(80.25)	0.0	531.04	99.30	6.0	0.899	319.30	319.30	5.50	694.66
509		2	28	689.1	5178.8	1129.0(40.32)	2247.0(80.25)	0.0	514.26	87.74	6.1	0.897	316.10	316.10	5.50	690.89
510		3	31	687.3	4653.0	1962.0(63.29)	2487.7(80.25)	0.0	502.47	95.60	6.1	0.896	313.81	313.81	5.50	688.22
511		4	30	692.3	6159.8	3914.3(130.48)	2407.5(80.25)	0.0	509.47	93.40	6.1	0.897	315.17	315.17	5.50	689.80
512		5	31	703.910	138.9	6466.8(208.61)	2487.7(80.25)	0.0	540.00	101.20	6.0	0.900	318.60	318.60	5.50	698.07
513		6	30	709.912	459.1	5316.2(177.21)	3000.0(100.00)	0.0	540.00	127.63	7.9	0.900	304.63	304.63	5.50	706.88
514		7	31	709.912	456.5	2489.2(80.30)	2487.7(80.25)	0.0	540.00	107.42	6.4	0.900	300.14	300.14	5.50	709.89
515		8	31	707.111	348.4	1379.6(44.50)	2487.7(80.25)	0.0	540.00	106.68	6.4	0.900	302.22	302.22	5.50	708.48
516		9	30	704.510	366.8	1426.0(47.53)	2407.5(80.25)	0.0	540.00	101.86	6.3	0.900	306.30	306.30	5.50	705.78
						2465.4(80.94)	2490.3(81.90)	0.0	531.44	102.17		0.899	9471.	9471.	5.50	699.69
517	1983	10	31	702.0	9452.1	1573.0(50.74)	2487.7(80.25)	0.0	540.00	103.92	6.2	0.900	310.24	310.24	5.50	703.25
518		11	30	702.7	9716.9	2672.3(89.08)	2407.5(80.25)	0.0	540.00	100.12	6.2	0.900	311.63	311.63	5.50	702.37
519		12	31	701.7	9328.5	2099.3(67.72)	2487.7(80.25)	0.0	540.00	103.37	6.2	0.900	311.90	311.90	5.50	702.19
520		1	31	700.4	8868.8	2028.0(65.42)	2487.7(80.25)	0.0	540.00	102.75	6.1	0.900	313.79	313.79	5.50	701.01
521		2	29	697.8	7964.2	1422.7(49.06)	2327.2(80.25)	0.0	540.00	95.16	6.1	0.900	316.95	316.95	5.50	699.07
522		3	31	682.6	3278.7	2444.5(78.85)	7130.0(230.00)	0.0	511.20	277.26	17.5	0.897	315.51	315.51	5.50	690.20
523		4	30	684.8	3910.4	9884.7(329.49)	9253.0(308.43)	0.0	482.96	346.06	23.9	0.894	309.92	309.92	5.50	683.73
524		5	31	709.612	321.1	18308.6(590.60)	9897.8(319.29)	0.0	540.00	400.79	23.9	0.900	320.06	320.06	5.50	697.19
525		6	30	709.512	302.5	5681.4(189.38)	5700.0(190.00)	0.0	540.00	245.69	15.2	0.900	300.67	300.67	5.50	709.53
526		7	31	709.112	128.9	2314.1(74.65)	2487.7(80.25)	0.0	540.00	107.10	6.4	0.900	301.03	301.03	5.50	709.29
527		8	31	709.612	354.6	2713.4(87.53)	2487.7(80.25)	0.0	540.00	107.14	6.4	0.900	300.93	300.93	5.50	709.35
528		9	30	708.711	967.6	2020.5(67.35)	2407.5(80.25)	0.0	540.00	103.58	6.4	0.900	301.23	301.23	5.50	709.15
						4430.2(144.99)	4296.8(140.81)	0.0	532.85	174.41		0.899	9439.	9439.	5.50	701.36

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
529	1984	10	31	707.411	471.3	1991.4(64.24)	2487.7(80.25)	0.0	540.00	106.44	6.4	0.900	302.90	302.90	5.50	708.02
530		11	30	707.211	397.5	2333.7(77.79)	2407.5(80.25)	0.0	540.00	102.63	6.3	0.900	304.00	304.00	5.50	707.29
531		12	31	707.011	330.8	2421.1(78.10)	2487.7(80.25)	0.0	540.00	105.96	6.3	0.900	304.28	304.28	5.50	707.11
532		1	31	705.810	862.7	2019.6(65.15)	2487.7(80.25)	0.0	540.00	105.59	6.3	0.900	305.33	305.33	5.50	706.42
533		2	28	704.010	196.9	1581.2(56.47)	2247.0(80.25)	0.0	540.00	94.66	6.3	0.900	307.63	307.63	5.50	704.92
534		3	31	703.5	9991.0	2281.9(73.61)	2487.7(80.25)	0.0	540.00	104.19	6.2	0.900	309.44	309.44	5.50	703.76
535		4	30	709.612	353.2	11062.2(368.74)	8700.0(290.00)	0.0	540.00	369.53	22.8	0.900	305.12	305.12	5.50	706.55
536		5	31	709.712	376.2	9012.9(290.74)	8990.0(290.00)	0.0	540.00	387.76	23.2	0.900	300.47	300.47	5.50	709.66
537		6	30	709.412	265.2	2296.5(76.55)	2407.5(80.25)	0.0	540.00	103.78	6.4	0.900	300.63	300.63	5.50	709.55
538		7	31	706.611	150.4	1373.0(44.29)	2487.7(80.25)	0.0	540.00	106.42	6.4	0.900	302.96	302.96	5.50	707.98
539		8	31	702.4	9604.4	941.8(30.38)	2487.7(80.25)	0.0	540.00	104.58	6.2	0.900	308.30	308.30	5.50	704.49
540		9	30	699.8	8652.2	1455.3(48.51)	2407.5(80.25)	0.0	540.00	99.47	6.1	0.900	313.67	313.67	5.50	701.09
						3230.9(106.21)	3507.2(115.21)	0.0	540.00	149.25		0.900	9288.	9288.	5.50	706.40
541	1985	10	31	698.6	8264.4	2099.9(67.74)	2487.7(80.25)	0.0	540.00	101.79	6.1	0.900	316.73	316.73	5.50	699.20
542		11	30	697.0	7706.4	1849.5(61.65)	2407.5(80.25)	0.0	540.00	97.81	6.0	0.900	319.00	319.00	5.50	697.82
543		12	31	696.4	7497.1	2278.5(73.50)	2487.7(80.25)	0.0	540.00	100.47	6.0	0.900	320.89	320.89	5.50	696.70
544		1	31	694.7	6942.6	1933.2(62.36)	2487.7(80.25)	0.0	535.04	99.81	6.0	0.899	320.05	320.05	5.50	695.54
545		2	28	692.6	6265.2	1569.7(56.06)	2247.0(80.25)	0.0	526.54	89.17	6.0	0.899	318.45	318.45	5.50	693.65
546		3	31	693.7	6628.9	2851.4(91.98)	2487.7(80.25)	0.0	524.38	98.44	6.1	0.898	318.04	318.04	5.50	693.17
547		4	30	703.7	10075.2	11246.4(374.88)	7800.0(260.00)	0.0	540.00	318.37	19.7	0.900	317.52	317.52	5.50	698.72
548		5	31	709.9	12456.3	11531.1(371.97)	9150.0(295.16)	0.0	540.00	389.11	23.2	0.900	304.75	304.75	5.50	706.80
549		6	30	709.8	12423.6	8967.3(298.91)	9000.0(300.00)	0.0	540.00	388.55	24.0	0.900	300.19	300.19	5.50	709.85
550		7	31	708.611	962.4	2026.5(65.37)	2487.7(80.25)	0.0	540.00	107.07	6.4	0.900	301.11	301.11	5.50	709.23
551		8	31	704.3	10306.3	831.7(26.83)	2487.7(80.25)	0.0	540.00	105.63	6.3	0.900	305.23	305.23	5.50	706.49
552		9	30	702.0	9460.3	1561.5(52.05)	2407.5(80.25)	0.0	540.00	100.54	6.2	0.900	310.35	310.35	5.50	703.18
						4062.2(133.61)	3994.9(131.45)	0.0	537.16	166.40		0.900	9510.	9510.	5.50	700.86
553	1986	10	31	702.2	9527.9	2555.3(82.43)	2487.7(80.25)	0.0	540.00	103.33	6.2	0.900	312.02	312.02	5.50	702.12
554		11	30	703.2	9900.2	2779.8(92.66)	2407.5(80.25)	0.0	540.00	100.30	6.2	0.900	311.07	311.07	5.50	702.72
555		12	31	702.9	9792.6	2380.2(76.78)	2487.7(80.25)	0.0	540.00	103.84	6.2	0.900	310.49	310.49	5.50	703.08
556		1	31	701.5	9278.0	1973.1(63.65)	2487.7(80.25)	0.0	540.00	103.39	6.2	0.900	311.85	311.85	5.50	702.23
557		2	28	692.4	6218.5	1980.4(70.73)	5040.0(180.00)	0.0	540.00	203.86	13.5	0.900	320.41	320.41	5.50	696.98
558		3	31	670.0	0.0	3068.7(98.99)	9287.2(299.59)	0.0	472.19	342.01	23.4	0.893	307.73	307.73	5.50	681.22
559		4	30	680.8	2767.9	11816.5(393.88)	9048.6(301.62)	0.0	447.54	321.21	23.9	0.890	302.58	302.58	5.50	675.40
560		5	31	710.012	500.0	25960.4(837.43)	9917.8(319.93)	6310.4	534.39	397.58	24.0	0.899	319.93	319.93	5.50	695.40
561		6	30	710.012	500.0	6623.4(220.78)	6600.0(220.00)	23.4	540.00	285.15	17.6	0.900	299.97	299.97	5.50	710.00
562		7	31	708.111	732.6	1720.4(55.50)	2487.7(80.25)	0.0	540.00	106.97	6.4	0.900	301.40	301.40	5.50	709.03
563		8	31	705.310	678.9	1434.1(46.26)	2487.7(80.25)	0.0	540.00	105.74	6.3	0.900	304.92	304.92	5.50	706.69
564		9	30	703.1	9869.8	1598.4(53.28)	2407.5(80.25)	0.0	540.00	101.07	6.2	0.900	308.69	308.69	5.50	704.23
						5324.2(174.36)	4762.3(156.91)	527.8	526.18	189.54		0.899	9405.	9405.	5.50	699.09
565	1987	10	31	701.3	9208.6	1826.5(58.92)	2487.7(80.25)	0.0	540.00	103.39	6.2	0.900	311.83	311.83	5.50	702.24
566		11	30	700.6	8963.8	2162.7(72.09)	2407.5(80.25)	0.0	540.00	99.42	6.1	0.900	313.84	313.84	5.50	700.98
567		12	31	699.5	8563.9	2087.8(67.35)	2487.7(80.25)	0.0	540.00	102.25	6.1	0.900	315.31	315.31	5.50	700.07
568		1	31	697.7	7956.3	1880.1(60.65)	2487.7(80.25)	0.0	540.00	101.49	6.1	0.900	317.68	317.68	5.50	698.62
569		2	29	693.0	6397.8	1631.5(56.26)	3190.0(110.00)	0.0	534.30	127.87	8.3	0.899	319.91	319.91	5.50	695.38
570		3	31	670.0	0.0	2943.1(94.94)	9341.0(301.32)	0.0	473.40	344.60	23.5	0.893	307.98	307.98	5.50	681.51
571		4	30	679.4	2396.1	11424.9(380.83)	9028.8(300.96)	0.0	444.70	319.11	23.9	0.890	301.97	301.97	5.50	674.72
572		5	31	706.311	038.7	18489.9(596.45)	9847.4(317.66)	0.0	522.99	388.96	24.0	0.898	317.77	317.77	5.50	692.85
573		6	30	710.012	500.0	16685.1(556.17)	9082.3(302.74)	6141.5	540.00	388.80	24.0	0.900	302.74	302.74	5.50	708.13
574		7	31	709.312	230.0	7480.0(241.29)	7750.0(250.00)	0.0	540.00	334.27	20.0	0.900	300.47	300.47	5.50	709.66
575		8	31	709.012	091.4	2349.2(75.78)	2487.7(80.25)	0.0	540.00	107.03	6.4	0.900	301.23	301.23	5.50	709.15
576		9	30	708.611	934.5	2250.6(75.02)	2407.5(80.25)	0.0	540.00	103.39	6.4	0.900	301.79	301.79	5.50	708.77
						5934.3(194.65)	5250.4(172.02)	511.8	524.61	210.05		0.898	9436.	9436.	5.50	698.51

*** OPTIMAL SCHEDULE ***

NO.	YEAR	MON	DAY	H (M)	S (M3/SD)	QIN (M3/SD)	QQ (M3/SD)	QOUT (M3/SD)	P (MW)	E (GWH)	T (H)	ETG	QCR (M3/S)	QUP (M3/S)	LOSS (M)	SUII (M)
577	1988	10	31	709.712	373.2	2926.4(94.40)	2487.7(80.25)	0.0	540.00	107.02	6.4	0.900	301.26	301.26	5.50	709.13
578		11	30	710.012	500.0	2535.9(84.53)	2407.5(80.25)	1.6	540.00	103.93	6.4	0.900	300.21	300.21	5.50	709.84
579		12	31	709.312	226.3	2516.3(81.17)	2790.0(90.00)	0.0	540.00	120.34	7.2	0.900	300.48	300.48	5.50	709.66
580		1	31	708.211	790.4	2051.9(66.19)	2487.7(80.25)	0.0	540.00	106.83	6.4	0.900	301.80	301.80	5.50	708.76
581		2	28	705.910	904.2	1360.8(48.60)	2247.0(80.25)	0.0	540.00	95.68	6.3	0.900	304.36	304.36	5.50	707.06
582		3	31	705.010	554.2	3370.0(108.71)	3720.0(120.00)	0.0	540.00	157.14	9.4	0.900	306.81	306.81	5.50	705.45
583		4	30	709.812	412.4	10687.8(356.26)	8829.6(294.32)	0.0	540.00	376.58	23.2	0.900	303.87	303.87	5.50	707.39
584		5	31	710.012	482.5	3480.1(112.26)	3410.0(110.00)	0.0	540.00	147.23	8.8	0.900	300.17	300.17	5.50	709.87
585		6	30	707.111	347.9	1272.9(42.43)	2407.5(80.25)	0.0	540.00	103.26	6.4	0.900	302.17	302.17	5.50	708.51
586		7	31	702.8	9727.2	867.1(27.97)	2487.7(80.25)	0.0	540.00	104.80	6.3	0.900	307.64	307.64	5.50	704.91
587		8	31	698.1	8064.7	825.2(26.62)	2487.7(80.25)	0.0	540.00	102.43	6.1	0.900	314.76	314.76	5.50	700.41
588		9	30	694.0	6725.8	1068.6(35.62)	2407.5(80.25)	0.0	537.31	96.87	6.0	0.900	320.48	320.48	5.50	696.05
						2746.9(90.40)	3180.8(104.69)	0.1	539.78	135.18		0.900	9287.	9287.	5.50	706.42
589	1989	10	31	692.6	6279.4	2041.3(65.85)	2487.7(80.25)	0.0	525.15	98.54	6.1	0.899	318.19	318.19	5.50	693.34
590		11	30	691.6	5940.1	2068.2(68.94)	2407.5(80.25)	0.0	519.63	94.67	6.1	0.898	317.13	317.13	5.50	692.10
591		12	31	691.5	5907.8	2455.5(79.21)	2487.7(80.25)	0.0	517.00	97.49	6.1	0.898	316.63	316.63	5.50	691.51
592		1	31	688.8	5082.9	1662.8(53.64)	2487.7(80.25)	0.0	510.82	96.69	6.1	0.897	315.43	315.43	5.50	690.11
593		2	28	685.4	4080.2	1244.3(44.44)	2247.0(80.25)	0.0	497.56	85.77	6.2	0.896	312.84	312.84	5.50	687.09
594		3	31	677.4	1863.1	3052.9(98.48)	5270.0(170.00)	0.0	473.07	194.32	13.3	0.893	307.91	307.91	5.50	681.43
595		4	30	687.1	4585.0	11964.6(398.82)	9242.6(308.09)	0.0	476.73	342.61	24.0	0.894	308.66	308.66	5.50	682.28
596		5	31	710.012	500.0	17784.1(573.68)	9823.9(316.90)	45.3	540.00	400.64	23.9	0.900	317.78	317.78	5.50	698.56
597		6	30	710.012	500.0	5264.1(175.47)	5264.1(175.47)	0.0	540.00	227.43	14.0	0.900	299.97	299.97	5.50	710.00
598		7	31	710.012	500.0	2069.0(66.74)	2069.0(66.74)	0.0	480.59	89.39	6.0	0.900	299.97	266.97	5.50	710.00
599		8	31	710.012	500.0	852.2(27.49)	852.2(27.49)	0.0	197.95	36.82	6.0	0.900	299.97	109.96	5.50	710.00
600		9	30	710.012	500.0	999.3(33.31)	999.3(33.31)	0.0	239.85	43.17	6.0	0.900	299.97	133.24	5.50	710.00
						4288.2(140.51)	3803.2(124.94)	3.8	459.86	150.63		0.898	9415.	8422.	5.50	696.37
						45373.6(******)	44796.5(******)	577.3	6407.53	1861.53		0.899	112762.	112524.	5.50	702.60

N= 1 PMAX= 540.00 E= 1861.41 ESUM= 1861.53
PF100= 197.95 PF95= 504.47 PF90= 522.74
EF100= 433.51 EF95= 1104.79 EF90= 1144.80
ES100= 1427.91 ES95= 756.62 ES90= 716.62
UF = 39.342 (%) QUMAX = 320.966

*** SEMW *** N= 1

1 540.00	2 540.00	3 540.00	4 540.00	5 540.00	6 540.00	7 540.00	8 540.00	9 540.00	10 540.00
11 540.00	12 540.00	13 540.00	14 540.00	15 540.00	16 540.00	17 540.00	18 540.00	19 540.00	20 540.00
21 540.00	22 540.00	23 540.00	24 540.00	25 540.00	26 540.00	27 540.00	28 540.00	29 540.00	30 540.00
31 540.00	32 540.00	33 540.00	34 540.00	35 540.00	36 540.00	37 540.00	38 540.00	39 540.00	40 540.00
41 540.00	42 540.00	43 540.00	44 540.00	45 540.00	46 540.00	47 540.00	48 540.00	49 540.00	50 540.00
51 540.00	52 540.00	53 540.00	54 540.00	55 540.00	56 540.00	57 540.00	58 540.00	59 540.00	60 540.00
61 540.00	62 540.00	63 540.00	64 540.00	65 540.00	66 540.00	67 540.00	68 540.00	69 540.00	70 540.00
71 540.00	72 540.00	73 540.00	74 540.00	75 540.00	76 540.00	77 540.00	78 540.00	79 540.00	80 540.00
81 540.00	82 540.00	83 540.00	84 540.00	85 540.00	86 540.00	87 540.00	88 540.00	89 540.00	90 540.00
91 540.00	92 540.00	93 540.00	94 540.00	95 540.00	96 540.00	97 540.00	98 540.00	99 540.00	100 540.00
101 540.00	102 540.00	103 540.00	104 540.00	105 540.00	106 540.00	107 540.00	108 540.00	109 540.00	110 540.00
111 540.00	112 540.00	113 540.00	114 540.00	115 540.00	116 540.00	117 540.00	118 540.00	119 540.00	120 540.00
121 540.00	122 540.00	123 540.00	124 540.00	125 540.00	126 540.00	127 540.00	128 540.00	129 540.00	130 540.00
131 540.00	132 540.00	133 540.00	134 540.00	135 540.00	136 540.00	137 540.00	138 540.00	139 540.00	140 540.00
141 540.00	142 540.00	143 540.00	144 540.00	145 540.00	146 540.00	147 540.00	148 540.00	149 540.00	150 540.00
151 540.00	152 540.00	153 540.00	154 540.00	155 540.00	156 540.00	157 540.00	158 540.00	159 540.00	160 540.00
161 540.00	162 540.00	163 540.00	164 540.00	165 540.00	166 540.00	167 540.00	168 540.00	169 540.00	170 540.00

171	540.00	172	540.00	173	540.00	174	540.00	175	540.00	176	540.00	177	540.00	178	540.00	179	540.00	180	540.00
181	540.00	182	540.00	183	540.00	184	540.00	185	540.00	186	540.00	187	540.00	188	540.00	189	540.00	190	540.00
191	540.00	192	540.00	193	540.00	194	540.00	195	540.00	196	540.00	197	540.00	198	540.00	199	540.00	200	540.00
201	540.00	202	540.00	203	540.00	204	540.00	205	540.00	206	540.00	207	540.00	208	540.00	209	540.00	210	540.00
211	540.00	212	540.00	213	540.00	214	540.00	215	540.00	216	540.00	217	540.00	218	540.00	219	540.00	220	540.00
221	540.00	222	540.00	223	540.00	224	540.00	225	540.00	226	540.00	227	540.00	228	540.00	229	540.00	230	540.00
231	540.00	232	540.00	233	540.00	234	540.00	235	540.00	236	540.00	237	540.00	238	540.00	239	540.00	240	540.00
241	540.00	242	540.00	243	540.00	244	540.00	245	540.00	246	540.00	247	540.00	248	540.00	249	540.00	250	540.00
251	540.00	252	540.00	253	540.00	254	540.00	255	540.00	256	540.00	257	540.00	258	540.00	259	540.00	260	540.00
261	540.00	262	540.00	263	540.00	264	540.00	265	540.00	266	540.00	267	540.00	268	540.00	269	540.00	270	540.00
271	540.00	272	540.00	273	540.00	274	540.00	275	540.00	276	540.00	277	540.00	278	540.00	279	540.00	280	540.00
281	540.00	282	540.00	283	540.00	284	540.00	285	540.00	286	540.00	287	540.00	288	540.00	289	540.00	290	540.00
291	540.00	292	540.00	293	540.00	294	540.00	295	540.00	296	540.00	297	540.00	298	540.00	299	540.00	300	540.00
301	540.00	302	540.00	303	540.00	304	540.00	305	540.00	306	540.00	307	540.00	308	540.00	309	540.00	310	540.00
311	540.00	312	540.00	313	540.00	314	540.00	315	540.00	316	540.00	317	540.00	318	540.00	319	540.00	320	540.00
321	540.00	322	540.00	323	540.00	324	540.00	325	540.00	326	540.00	327	540.00	328	540.00	329	540.00	330	540.00
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361	540.00	362	540.00	363	540.00	364	540.00	365	540.00	366	540.00	367	540.00	368	540.00	369	540.00	370	540.00
371	540.00	372	540.00	373	540.00	374	540.00	375	540.00	376	540.00	377	540.00	378	540.00	379	540.00	380	540.00
381	540.00	382	540.00	383	540.00	384	540.00	385	540.00	386	540.00	387	540.00	388	540.00	389	540.00	390	540.00
391	540.00	392	540.00	393	540.00	394	540.00	395	540.00	396	540.00	397	540.00	398	540.00	399	540.00	400	540.00
401	540.00	402	540.00	403	540.00	404	540.00	405	540.00	406	540.00	407	540.00	408	540.00	409	540.00	410	540.00
411	540.00	412	540.00	413	540.00	414	540.00	415	540.00	416	540.00	417	540.00	418	540.00	419	540.00	420	540.00
421	540.00	422	540.00	423	540.00	424	540.00	425	540.00	426	540.00	427	540.00	428	540.00	429	540.00	430	540.00
431	540.00	432	540.00	433	540.00	434	540.00	435	540.00	436	540.00	437	540.00	438	540.00	439	540.00	440	540.00
441	540.00	442	540.00	443	540.00	444	540.00	445	540.00	446	540.00	447	540.00	448	540.00	449	540.00	450	540.00
451	540.00	452	540.00	453	540.00	454	540.00	455	540.00	456	540.00	457	540.00	458	540.00	459	540.00	460	540.00
461	540.00	462	540.00	463	540.00	464	540.00	465	540.00	466	540.00	467	540.00	468	540.00	469	540.00	470	540.00
471	540.00	472	540.00	473	540.00	474	540.00	475	540.00	476	540.00	477	540.00	478	540.00	479	540.00	480	540.00
481	540.00	482	540.00	483	539.93	484	539.89	485	538.81	486	538.80	487	538.58	488	538.09	489	537.89	490	537.81
491	537.36	492	537.31	493	537.04	494	537.02	495	536.99	496	536.79	497	536.74	498	536.65	499	536.36	500	535.84
501	535.68	502	535.06	503	535.04	504	534.80	505	534.39	506	534.30	507	533.94	508	533.30	509	532.66	510	532.44
511	532.34	512	532.25	513	532.11	514	532.07	515	531.73	516	531.63	517	531.10	518	531.04	519	529.75	520	529.49
521	529.24	522	528.66	523	527.48	524	527.26	525	527.12	526	527.02	527	527.02	528	526.97	529	526.54	530	525.78
531	525.15	532	524.88	533	524.64	534	524.50	535	524.38	536	524.38	537	524.32	538	522.99	539	522.78	540	522.74
541	522.59	542	522.35	543	522.24	544	522.20	545	521.09	546	519.63	547	519.46	548	519.36	549	518.82	550	517.83
551	517.62	552	517.31	553	517.30	554	517.00	555	516.50	556	515.66	557	514.62	558	514.47	559	514.26	560	511.83
561	511.20	562	510.82	563	510.42	564	510.33	565	509.47	566	508.62	567	507.30	568	506.31	569	504.64	570	504.47
571	502.47	572	501.40	573	499.95	574	499.07	575	498.61	576	497.83	577	497.56	578	492.89	579	486.38	580	484.26
581	482.96	582	482.22	583	480.97	584	480.59	585	477.06	586	476.73	587	473.40	588	473.07	589	472.84	590	472.34
591	472.19	592	460.67	593	458.44	594	456.96	595	455.50	596	447.54	597	444.70	598	438.76	599	239.85	600	197.95

* MONTHLY INFLOW (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	253.43	264.15	264.87	228.87	246.66	398.73	1136.54	1983.87	790.01	327.41	208.25	160.34	6263.12
2	1941	233.53	381.93	314.07	210.82	336.32	453.77	1399.16	1532.16	826.34	400.69	215.56	182.66	6487.00
3	1942	193.62	213.71	210.98	174.60	150.33	184.78	541.13	814.37	477.96	282.30	191.40	158.09	3593.27
4	1943	161.24	167.13	167.29	149.51	153.07	382.23	585.04	1618.77	910.05	504.74	205.62	167.86	5172.55
5	1944	152.40	162.93	134.05	125.27	112.01	140.94	420.55	771.11	657.62	285.28	155.70	128.74	3246.60
6	1945	133.20	129.31	128.48	119.91	114.16	217.54	554.90	833.03	752.56	434.70	225.52	163.71	3807.04
7	1946	212.13	171.36	142.14	140.35	137.65	340.50	561.24	450.29	310.34	189.31	133.20	121.56	2910.08
8	1947	134.03	187.17	142.54	137.43	128.86	203.96	568.01	821.89	774.28	263.98	159.12	150.72	3672.01
9	1948	142.33	130.58	121.28	118.49	106.59	159.82	372.06	782.44	496.08	170.96	137.59	125.63	2863.86
10	1949	127.57	118.56	116.03	112.39	108.98	195.98	651.42	823.69	523.32	257.29	149.64	119.41	3304.28
11	1950	168.04	146.47	135.21	129.05	117.86	180.55	545.59	689.26	626.74	254.55	162.66	162.29	3318.27
12	1951	236.93	195.83	154.03	170.59	231.27	276.68	713.91	789.94	634.08	339.03	175.46	138.15	4055.90
13	1952	126.63	120.71	117.88	112.52	111.11	203.16	525.42	806.47	660.03	303.68	179.56	163.14	3430.30
14	1953	142.01	139.71	124.44	125.11	160.63	341.76	699.47	1030.73	838.51	535.65	224.80	167.29	4530.11
15	1954	143.75	132.50	128.54	114.72	110.85	148.70	306.45	544.68	327.42	134.88	106.84	103.06	2302.39
16	1955	103.65	102.44	110.03	105.31	126.48	153.90	434.94	549.82	625.09	288.73	148.01	127.60	2876.00
17	1956	119.08	111.72	107.97	99.02	114.33	244.78	528.12	774.40	686.33	279.48	151.12	129.50	3345.85
18	1957	126.82	127.29	125.56	116.72	112.49	193.46	461.27	785.15	576.07	245.64	142.84	138.46	3151.78
19	1958	131.67	126.85	130.17	129.96	106.88	208.57	516.64	919.49	750.69	316.59	191.64	157.72	3686.87
20	1959	182.48	169.08	145.73	214.03	312.25	506.22	1102.56	1271.93	860.78	409.79	217.99	140.89	5533.71
21	1960	129.50	118.15	114.76	98.68	99.84	154.38	445.28	524.91	379.21	143.96	99.78	95.97	2404.40
22	1961	101.78	113.10	148.46	124.17	125.63	358.00	581.06	747.65	515.66	249.05	138.40	133.22	3336.19
23	1962	131.57	131.36	135.18	140.16	138.40	185.80	919.14	1382.33	1357.33	786.81	346.08	167.08	5821.22
24	1963	156.61	143.42	139.38	133.92	195.59	318.25	748.10	1048.83	838.38	278.18	157.36	142.43	4300.44
25	1964	143.21	139.66	151.36	134.51	122.70	278.31	674.80	963.31	679.88	307.91	157.20	132.06	3884.91
26	1965	174.85	164.93	155.29	174.85	165.18	255.22	623.40	1015.51	604.25	286.64	156.74	147.64	3924.50
27	1966	130.52	126.70	135.63	124.30	114.48	177.26	509.38	1017.50	658.91	508.47	233.56	191.50	3928.19
28	1967	162.87	158.11	203.45	170.45	275.52	432.42	1470.79	1617.97	938.62	428.36	244.08	228.33	6330.97
29	1968	225.12	230.30	192.07	167.24	150.14	380.01	809.87	1164.70	554.19	254.47	174.79	166.28	4469.17
30	1969	194.75	150.31	147.50	138.50	140.22	250.35	632.73	548.08	352.43	200.59	159.07	142.95	3057.47
31	1970	164.53	145.05	148.54	129.66	115.71	258.44	458.06	874.84	663.11	290.18	219.04	136.39	3603.56
32	1971	147.10	139.22	165.12	129.88	122.45	207.63	664.90	718.19	749.58	326.66	179.96	174.80	3725.48
33	1972	171.60	165.63	135.53	122.91	137.75	172.41	368.27	726.43	668.23	296.95	145.25	119.57	3230.54
34	1973	138.90	153.39	139.25	117.39	111.45	258.52	377.84	772.13	439.71	182.36	134.38	175.07	3000.39
35	1974	126.46	123.10	123.58	118.49	107.97	217.49	637.75	672.06	533.05	228.35	127.59	126.01	3141.90
36	1975	147.04	126.25	117.34	128.96	123.30	233.33	662.59	1019.85	822.96	396.97	181.01	146.78	4106.38
37	1976	181.92	147.33	135.58	118.71	123.55	213.98	504.32	924.45	604.04	294.36	179.37	136.88	3564.48
38	1977	158.43	143.83	127.22	123.13	149.36	268.51	679.91	1074.79	712.15	381.64	188.80	136.34	4144.10
39	1978	146.16	141.08	142.52	141.93	153.52	220.33	444.48	751.13	760.47	395.28	172.22	124.91	3594.01
40	1979	160.19	246.21	191.26	159.12	142.42	294.36	961.47	1046.95	521.22	258.12	158.96	130.27	4270.57
41	1980	153.98	148.78	151.54	135.96	116.58	202.92	362.13	671.42	802.78	391.31	180.63	144.87	3462.89
42	1981	149.13	154.61	153.02	138.12	109.78	154.12	612.77	936.90	566.71	242.32	140.72	126.78	3484.99
43	1982	130.13	125.50	115.09	104.59	97.54	169.52	338.20	558.73	459.32	215.07	119.20	123.20	2556.08
44	1983	135.91	230.89	181.38	175.22	122.92	211.20	854.04	1581.86	490.87	199.94	234.44	174.57	4593.25
45	1984	172.06	201.63	209.18	174.50	136.61	197.16	955.77	778.72	198.42	118.63	81.37	125.74	3349.78
46	1985	181.43	159.80	196.86	167.02	135.62	246.36	971.69	996.28	774.78	175.09	71.86	134.91	4211.71
47	1986	220.78	240.17	205.65	170.48	171.11	265.13	1020.94	2242.98	572.26	148.64	123.90	138.10	5520.15
48	1987	157.81	186.86	180.39	162.44	140.96	254.29	987.11	1597.53	1441.59	646.27	202.97	194.45	6152.67
49	1988	252.84	219.10	217.41	177.28	117.57	291.17	923.42	300.68	109.98	74.91	71.30	92.33	2847.99
50	1989	176.37	178.69	212.16	143.67	107.51	263.77	1033.74	1536.55	454.82	178.76	73.63	86.34	4446.00
	TOTAL	8048.06	8152.53	7792.95	7080.86	7170.13	12526.57	33858.29	48406.68	32329.14	15110.89	8336.09	7202.57	196014.44
	AVE	160.96	163.05	155.86	141.62	143.40	250.53	677.17	968.13	646.58	302.22	166.72	144.05	3920.29
	MAX	253.43	381.93	314.07	228.87	336.32	506.22	1470.79	2242.98	1441.59	786.81	346.08	228.33	6487.00
	MIN	101.78	102.44	107.97	98.68	97.54	140.94	306.45	300.68	109.98	74.91	71.30	86.34	2302.39

* MONTHLY OUTFLOW (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	267.84	259.20	267.84	374.98	774.14	792.71	787.39	1253.02	790.01	348.19	214.94	208.01	6338.27
2	1941	214.94	336.96	321.41	508.90	767.51	785.58	798.87	1052.45	826.34	401.76	214.94	208.01	6437.66
3	1942	214.94	208.01	214.94	214.94	194.14	214.94	414.72	781.08	492.48	267.84	214.94	208.01	3640.98
4	1943	214.94	208.01	214.94	214.94	201.07	723.17	800.74	850.48	792.52	508.90	214.94	208.01	5152.66
5	1944	214.94	208.01	214.94	214.94	194.14	214.94	208.01	508.90	673.92	267.84	214.94	208.01	3343.53
6	1945	214.94	208.01	214.94	214.94	194.14	214.94	208.01	616.03	751.68	429.62	241.06	208.01	3716.31
7	1946	214.94	208.01	214.94	214.94	194.14	214.94	388.80	455.33	311.04	214.94	214.94	208.01	3054.97
8	1947	214.94	208.01	214.94	214.94	201.07	214.94	208.01	642.82	777.60	267.84	214.94	208.01	3588.06
9	1948	214.94	208.01	214.94	214.94	194.14	214.94	208.01	348.19	492.48	214.94	214.94	208.01	2948.48
10	1949	214.94	208.01	214.94	214.94	194.14	214.94	208.01	589.25	544.32	241.06	214.94	208.01	3267.49
11	1950	214.94	208.01	214.94	214.94	194.14	214.94	208.01	482.11	648.00	241.06	214.94	208.01	3264.04
12	1951	214.94	208.01	214.94	214.94	201.07	214.94	596.16	803.52	648.00	321.41	214.94	208.01	4060.88
13	1952	214.94	208.01	214.94	214.94	194.14	214.94	208.01	535.68	699.84	267.84	214.94	208.01	3396.23
14	1953	214.94	208.01	214.94	214.94	194.14	214.94	673.92	803.52	777.72	535.68	241.06	208.01	4501.82
15	1954	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	215.74	214.94	214.94	208.01	2538.49
16	1955	214.94	208.01	214.94	214.94	201.07	214.94	208.01	214.94	336.96	294.62	214.94	208.01	2746.33
17	1956	214.94	208.01	214.94	214.94	194.14	214.94	208.01	482.11	725.76	241.06	214.94	208.01	3341.80
18	1957	214.94	208.01	214.94	214.94	194.14	214.94	208.01	428.54	570.24	242.39	214.94	208.01	3134.04
19	1958	214.94	208.01	214.94	214.94	194.14	214.94	208.01	669.60	751.68	321.41	214.94	208.01	3635.56
20	1959	214.94	208.01	214.94	214.94	551.23	838.11	812.03	840.70	779.80	428.54	214.94	208.01	5526.20
21	1960	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	311.04	214.94	214.94	208.01	2633.79
22	1961	214.94	208.01	214.94	214.94	194.14	214.94	208.01	535.68	518.40	241.06	214.94	208.01	3188.01
23	1962	214.94	208.01	214.94	214.94	194.14	731.46	777.60	837.16	964.05	803.52	348.19	208.01	5716.95
24	1963	214.94	208.01	214.94	214.94	201.07	214.94	809.26	826.32	777.60	267.84	214.94	208.01	4372.81
25	1964	214.94	208.01	214.94	214.94	194.14	214.94	440.64	776.74	699.84	294.62	214.94	208.01	3896.70
26	1965	214.94	208.01	214.94	214.94	194.14	214.94	518.40	816.64	596.16	294.62	214.94	208.01	3910.69
27	1966	214.94	208.01	214.94	214.94	194.14	214.94	208.01	749.95	648.00	508.90	241.06	208.01	3825.83
28	1967	214.94	208.01	214.94	241.06	776.74	799.39	801.75	1207.01	938.62	428.54	267.84	208.01	6306.84
29	1968	241.06	210.74	214.94	214.94	194.14	616.03	803.52	824.58	570.24	241.06	214.94	208.01	4554.19
30	1969	214.94	208.01	214.94	214.94	194.14	214.94	311.04	562.46	336.96	214.94	214.94	208.01	3110.27
31	1970	214.94	208.01	214.94	214.94	194.14	214.94	208.01	696.38	673.92	267.84	217.66	208.01	3553.74
32	1971	214.94	208.01	214.94	214.94	201.07	214.94	259.20	696.38	751.68	322.98	214.94	208.01	3722.04
33	1972	214.94	208.01	214.94	214.94	194.14	214.94	208.01	482.11	648.54	296.95	214.94	208.01	3320.48
34	1973	214.94	208.01	214.94	214.94	194.14	214.94	208.01	455.33	440.64	214.94	214.94	208.01	3003.78
35	1974	214.94	208.01	214.94	214.94	194.14	214.94	208.01	508.90	544.32	214.94	214.94	208.01	3161.03
36	1975	214.94	208.01	214.94	214.94	201.07	214.94	336.96	821.03	777.60	401.76	214.94	208.01	4029.15
37	1976	214.94	208.01	214.94	214.94	194.14	214.94	208.01	776.74	622.08	294.62	214.94	208.01	3586.31
38	1977	214.94	208.01	214.94	214.94	194.14	214.94	544.32	794.67	777.60	321.41	214.94	208.01	4122.86
39	1978	214.94	208.01	214.94	214.94	194.14	214.94	208.01	589.25	751.68	401.76	214.94	208.01	3635.56
40	1979	214.94	208.01	214.94	214.94	201.07	374.98	813.77	817.57	544.32	241.06	214.94	208.01	4268.54
41	1980	214.94	208.01	214.94	214.94	194.14	214.94	208.01	374.98	777.60	374.98	214.94	208.01	3420.42
42	1981	214.94	208.01	214.94	214.94	194.14	214.94	259.20	787.01	570.24	241.06	214.94	208.01	3542.37
43	1982	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	259.20	214.94	214.94	208.01	2581.95
44	1983	214.94	208.01	214.94	214.94	201.07	616.03	799.46	855.17	492.48	214.94	214.94	208.01	4454.94
45	1984	214.94	208.01	214.94	214.94	194.14	214.94	751.68	776.74	208.01	214.94	214.94	208.01	3636.23
46	1985	214.94	208.01	214.94	214.94	194.14	214.94	673.92	790.56	777.60	214.94	214.94	208.01	4141.88
47	1986	214.94	208.01	214.94	214.94	435.46	802.41	781.80	1402.12	572.26	214.94	214.94	208.01	5484.77
48	1987	214.94	208.01	214.94	214.94	275.62	807.06	780.09	850.81	1315.33	669.60	214.94	208.01	5974.29
49	1988	214.94	208.14	241.06	214.94	194.14	321.41	762.88	294.62	208.01	214.94	214.94	208.01	3298.03
50	1989	214.94	208.01	214.94	214.94	194.14	455.33	798.56	852.70	454.82	178.76	73.63	86.34	3947.11
	TOTAL	10826.08	10583.39	10932.55	11227.17	12185.27	16616.48	22080.82	33762.62	31134.87	15514.18	10872.96	10278.72	196014.31
	AVE	216.52	211.67	218.65	224.54	243.71	332.33	441.62	675.25	622.70	310.28	217.46	205.57	3920.29
	MAX	267.84	336.96	321.41	508.90	776.74	838.11	813.77	1402.12	1315.33	803.52	348.19	208.01	6437.66
	MIN	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	208.01	178.76	73.63	86.34	2538.49

* MONTHLY QQ (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	267.84	259.20	267.84	374.98	774.14	792.71	787.39	855.24	777.29	348.19	214.94	208.01	5927.76
2	1941	214.94	336.96	321.41	508.90	767.51	785.58	798.87	834.69	775.28	401.76	214.94	208.01	6168.84
3	1942	214.94	208.01	214.94	214.94	194.14	214.94	414.72	780.51	492.48	267.84	214.94	208.01	3640.41
4	1943	214.94	208.01	214.94	214.94	201.07	723.17	800.74	850.48	783.83	508.90	214.94	208.01	5143.96
5	1944	214.94	208.01	214.94	214.94	194.14	214.94	208.01	508.90	673.92	267.84	214.94	208.01	3343.53
6	1945	214.94	208.01	214.94	214.94	194.14	214.94	208.01	616.03	751.68	428.54	241.06	208.01	3715.24
7	1946	214.94	208.01	214.94	214.94	194.14	214.94	388.80	455.33	311.04	214.94	214.94	208.01	3054.97
8	1947	214.94	208.01	214.94	214.94	201.07	214.94	208.01	642.82	777.60	267.84	214.94	208.01	3588.06
9	1948	214.94	208.01	214.94	214.94	194.14	214.94	208.01	348.19	492.48	214.94	214.94	208.01	2948.48
10	1949	214.94	208.01	214.94	214.94	194.14	214.94	208.01	589.25	544.32	241.06	214.94	208.01	3267.49
11	1950	214.94	208.01	214.94	214.94	194.14	214.94	208.01	482.11	648.00	241.06	214.94	208.01	3264.04
12	1951	214.94	208.01	214.94	214.94	201.07	214.94	596.16	803.52	648.00	321.41	214.94	208.01	4060.88
13	1952	214.94	208.01	214.94	214.94	194.14	214.94	208.01	535.68	699.84	267.84	214.94	208.01	3396.23
14	1953	214.94	208.01	214.94	214.94	194.14	214.94	673.92	803.52	777.60	535.68	241.06	208.01	4501.70
15	1954	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	208.01	214.94	214.94	208.01	2530.76
16	1955	214.94	208.01	214.94	214.94	201.07	214.94	208.01	214.94	336.96	294.62	214.94	208.01	2746.33
17	1956	214.94	208.01	214.94	214.94	194.14	214.94	208.01	482.11	725.76	241.06	214.94	208.01	3341.80
18	1957	214.94	208.01	214.94	214.94	194.14	214.94	208.01	428.54	570.24	241.06	214.94	208.01	3132.71
19	1958	214.94	208.01	214.94	214.94	194.14	214.94	208.01	669.60	751.68	321.41	214.94	208.01	3635.56
20	1959	214.94	208.01	214.94	214.94	551.23	838.11	812.03	840.70	777.60	428.54	214.94	208.01	5524.00
21	1960	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	311.04	214.94	214.94	208.01	2633.79
22	1961	214.94	208.01	214.94	214.94	194.14	214.94	208.01	535.68	518.40	241.06	214.94	208.01	3188.01
23	1962	214.94	208.01	214.94	214.94	194.14	731.46	777.60	837.16	801.65	803.52	348.19	208.01	5554.55
24	1963	214.94	208.01	214.94	214.94	201.07	214.94	809.26	826.32	777.60	267.84	214.94	208.01	4372.81
25	1964	214.94	208.01	214.94	214.94	194.14	214.94	440.64	776.74	699.84	294.62	214.94	208.01	3896.70
26	1965	214.94	208.01	214.94	214.94	194.14	214.94	518.40	816.64	596.16	294.62	214.94	208.01	3910.69
27	1966	214.94	208.01	214.94	214.94	194.14	214.94	208.01	749.95	648.00	508.90	241.06	208.01	3825.83
28	1967	214.94	208.01	214.94	241.06	776.74	799.39	801.75	829.63	777.53	428.54	267.84	208.01	5768.37
29	1968	241.06	208.01	214.94	214.94	194.14	616.03	803.52	824.58	570.24	241.06	214.94	208.01	4551.46
30	1969	214.94	208.01	214.94	214.94	194.14	214.94	311.04	562.46	336.96	214.94	214.94	208.01	3110.27
31	1970	214.94	208.01	214.94	214.94	194.14	214.94	208.01	696.38	673.92	267.84	214.94	208.01	3531.01
32	1971	214.94	208.01	214.94	214.94	201.07	214.94	259.20	696.38	751.68	321.41	214.94	208.01	3720.47
33	1972	214.94	208.01	214.94	214.94	194.14	214.94	208.01	482.11	648.00	294.62	214.94	208.01	3317.61
34	1973	214.94	208.01	214.94	214.94	194.14	214.94	208.01	455.33	440.64	214.94	214.94	208.01	3003.78
35	1974	214.94	208.01	214.94	214.94	194.14	214.94	208.01	508.90	544.32	214.94	214.94	208.01	3161.03
36	1975	214.94	208.01	214.94	214.94	201.07	214.94	336.96	821.03	777.60	401.76	214.94	208.01	4029.15
37	1976	214.94	208.01	214.94	214.94	194.14	214.94	208.01	776.74	622.08	294.62	214.94	208.01	3586.31
38	1977	214.94	208.01	214.94	214.94	194.14	214.94	544.32	794.67	777.60	321.41	214.94	208.01	4122.86
39	1978	214.94	208.01	214.94	214.94	194.14	214.94	208.01	589.25	751.68	401.76	214.94	208.01	3635.56
40	1979	214.94	208.01	214.94	214.94	201.07	374.98	813.77	817.57	544.32	241.06	214.94	208.01	4268.54
41	1980	214.94	208.01	214.94	214.94	194.14	214.94	208.01	374.98	777.60	374.98	214.94	208.01	3420.42
42	1981	214.94	208.01	214.94	214.94	194.14	214.94	259.20	787.01	570.24	241.06	214.94	208.01	3542.37
43	1982	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	259.20	214.94	214.94	208.01	2581.95
44	1983	214.94	208.01	214.94	214.94	201.07	616.03	799.46	855.17	492.48	214.94	214.94	208.01	4454.94
45	1984	214.94	208.01	214.94	214.94	194.14	214.94	751.68	776.74	208.01	214.94	214.94	208.01	3636.23
46	1985	214.94	208.01	214.94	214.94	194.14	214.94	673.92	790.56	777.60	214.94	214.94	208.01	4141.88
47	1986	214.94	208.01	214.94	214.94	435.46	802.41	781.80	856.90	570.24	214.94	214.94	208.01	4937.53
48	1987	214.94	208.01	214.94	214.94	275.62	807.06	780.09	850.81	784.71	669.60	214.94	208.01	5443.66
49	1988	214.94	208.01	241.06	214.94	194.14	321.41	762.88	294.62	208.01	214.94	214.94	208.01	3297.89
50	1989	214.94	208.01	214.94	214.94	194.14	455.33	798.56	848.78	454.82	178.76	73.63	86.34	3943.20
	TOTAL	10826.08	10580.53	10932.55	11227.17	12185.27	16616.48	22080.82	32219.99	30195.67	15507.87	10870.25	10278.72	193520.50
	AVE	216.52	211.61	218.65	224.54	243.71	332.33	441.62	644.40	603.91	310.16	217.40	205.57	3870.41
	MAX	267.84	336.96	321.41	508.90	776.74	838.11	813.77	856.90	801.65	803.52	348.19	208.01	6168.84
	MIN	214.94	208.01	214.94	214.94	194.14	214.94	208.01	214.94	208.01	178.76	73.63	86.34	2530.76

* MONTHLY OUT (10**6 M3) *

NO.	YEAR	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	397.78	12.72	0.0	0.0	0.0	410.51
2	1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217.76	51.06	0.0	0.0	0.0	268.82
3	1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.0	0.0	0.0	0.0	0.57
4	1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.69	0.0	0.0	0.0	8.69
5	1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07	0.0	0.0	1.07
7	1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.0	0.0	0.0	0.12
15	1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.73	0.0	0.0	0.0	7.73
16	1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33	0.0	0.0	1.33
19	1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.20	0.0	0.0	0.0	2.20
21	1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162.40	0.0	0.0	0.0	162.40
24	1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	377.38	161.09	0.0	0.0	0.0	538.48
29	1968	0.0	2.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.73
30	1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.72	0.0	2.72
32	1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.0	0.0	1.57
33	1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	2.33	0.0	0.0	2.88
34	1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	545.22	2.02	0.0	0.0	0.0	547.24
48	1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	530.62	0.0	0.0	0.0	530.62
49	1988	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13
50	1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.91	0.0	0.0	0.0	0.0	3.91
	TOTAL	0.0	2.86	0.0	0.0	0.0	0.0	0.0	1542.64	939.21	6.31	2.72	0.0	2493.74
	AVE	0.0	0.06	0.0	0.0	0.0	0.0	0.0	30.85	18.78	0.13	0.05	0.0	49.87
	MAX	0.0	2.73	0.0	0.0	0.0	0.0	0.0	545.22	530.62	2.33	2.72	0.0	547.24
	MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A-7 List of Data Provided by EIE

EİE
Jeoloji ve Sondaj Dairesi Başkanlığı
Kaya-Zemin Mekaniği Laboratuvarı

OLTU PROJESİ (OLUR-AYVALI)
AGREGADA YUMUŞAK KAYA ORANI
DENEY SONUÇLARI

SOFT PARTICLES IN COARSE AGGREGATE
by
SCRATCH HARDNESS TEST

N.PEHLİVAN : Jeo.Müh.
O.CEYLAN : Jeo.Yük.Müh.

Kaya-Zemin Mekaniği Şube Müdürlüğü
Mayıs-1991

ANKARA

Jeoloji ve Sondaj Daire Başkanlığı
Kaya-Zemin Mekaniği Laboratuvarı

OLTU KOLU
AYVALI BARAJ YERİ
TAVUSKER GEÇİRİMSİZ MALZEME SAHASI
DENEY SONUÇLARI

Nilgün PEHLİVAN : Jeo.Müh.

Osman CEYLAN : Jeo.Yük.Müh.

Kaya-Zemin Mekaniği Şube Müdürlüğü
Eylül - 1991

ANKARA

ÇORUH HAVZASI

OLTU KOLU

OLUR BARAJ VE HES PROJESİ

DOĞAL YAPI GEREÇLERİ RAPORU

Hazırlayan

Murat DİNÇ

Jeoloji Mühendisi

İstikşaf ve Malzeme Etütleri Şubesi Müdürlüğü

Aralık-1991

İÇİNDEKİLER

ÇORUH OLTU KOLU OLUR BARAJ VE HES YERİ
SANTRAL SAHASI
JEOFİZİK ETÜT ÖN RAPORU

A.Necati SARAÇ
Jeofizik Mühendisi

Önder TEKELİ
Jeofizik Mühendisi

Serdar ERTAN
Jeofizik Mühendisi

Jeofizik Şubesi Müdürlüğü
Kasım 1991, ANKARA

İÇİNDEKİLER

ÇORUH HAVZASI
OLTU KOLU
AYVALI BARAJ VE HES PROJESİ
DOĞAL YAPI GEREÇLERİ RAPORU

Hazırlayan

Murat DİNÇ

Jeoloji Mühendisi

İstikşaf ve Malzeme Etütleri Şubesi Müdürlüğü

Aralık-1991

İÇİNDEKİLER

Jeoloji ve Sondaj Da. Bşk.

ARAŞTIRMA ÇUKURU PROFİLİ

TEST PIT LOG

PROJE / *Project* = Ayvali Dam and HPP

ÇUKUR NO. / *Test Pit No* = MB-1

MALZEME SAHASI CİNSİ / *Type of Borrow Area* = Impervious material

DERİNLİK / *Depth* = 4.00 m.

MALZEME SAHASI YERİ / *Location of Borrow Area* = BULANIK DERE

ÜST KOT / *Ground Elevation* = 796.76 m.

NUMUNE ALMA ŞEKLİ / *Method of Sampling* = Composite sample

KOORDİNAT / *Coordinates* = X 487004.50 Y 4514375.33

NUMUNE ALMA TARİHİ / *Date of Sampling* = 02.05.1991

YAPAN ve ÇİZEN / *Described and Drawn By* = MURAT DİNÇ

Name of Project	Test Pit No.	Depth	Name of Project	Test Pit No.	Depth
Ayvali	MB-1	4.00	Olur	FM-7	1.40
Ayvali	MB-2	12.00	Ayvali	FM-1	1.75
Ayvali	MB-3	4.00	Ayvali	FM-2	1.80
Ayvali	MB-4	10.00	Ayvali	FM-3	1.70
Ayvali	MB-5	1.20	Ayvali	FM-4	3.00
Ayvali	MB-5A	2.10	Ayvali	FM-5	2.50
Ayvali	MB-6	1.40	Ayvali	FM-6	2.30
Ayvali	MB-7	2.00	Ayvali	FM-7	2.50
Ayvali	MT-1	4.00	Ayvali	FM-8	2.10
Olur	MK-1	2.20	Olur	MY-1	4.00
Olur	MK-2	2.50	Olur	MY-2	3.00
Olur	MK-3	3.50	Olur	MY-3	3.00
Olur	MK-4	3.60	Olur	MY-4	4.00
Olur	MK-5	2.50	Ayvali	MT-2	4.00
Olur	MK-6	3.20	Ayvali	MT-3	3.80
Olur	MK-7	3.00	Ayvali	MT-4	3.60
Olur	MK-8	4.00	Ayvali	MT-5	4.00
Olur	FM-1	1.75	Ayvali	MT-6	3.80
Olur	FM-2	2.20	Ayvali	MT-7	4.00
Olur	FM-3	1.90	Ayvali	MT-8	3.80
Olur	FM-4	1.50	Ayvali	MT-9	3.50
Olur	FM-5	2.50	Ayvali	MT-10	8.00
Olur	FM-6	2.10			

A-7-7

T.C.

BAYINDIRLIK VE İSKAN BAKANLIĞI

DEVLET SU İŞLERİ GENEL MÜDÜRLÜĞÜ

TEKNİK ARAŞTIRMA VE KALİTE KONTROL DAİRESİ BAŞKANLIĞI

YAYIN NO : Z- 808

EİEİ OLUR VE AYVALI BARAJ VE HES PROJELERİ PERMEABİLİTE VE ÜÇ EKSENLİ DENEYLERİ

DAİRE BAŞKANI : Ergün DEMİRÖZ

BAŞKAN YARDIMCISI : Mümtaz TURFAN

ŞUBE MÜDÜRÜ : Hasan TOSUN

RAPORU YAZAN : Hasan TOSUN

İsmail USTA

Zemin Mekaniği
Şube Müdürlüğü

ANKARA-1991

AP-7-10

ÇORUH-OLTU KOLU AYVALI BARAJ VE HES PROJESİ
BULANIKDERE MALZEME SAHASI
JEOFİZİK ETÜT ÖN RAPORU

Necati SARAÇ
Jeofizik Müh.

Önder TEKELİ
Jeofizik Müh.

JEOFİZİK ŞUBESİ MÜDÜRLÜĞÜ
ŞUBAT- 1992 ANKARA

İÇİNDEKİLER

OLTU PROJECT
AYVALI DAM AND HEPP
LONG TERM PERMEABILITY TEST RESULTS

Sample No: MB-3

Coefficient of permeability has been measured at an interval of seven days for a period of six months. ASTM D 698-78 Method A has been applied for compaction test. Then the falling head permeability method has been performed on the sample. The chemical agent provided by JICA was utilized to prevent breeding of algea. The relevat results are given below:

Test Begun :13.08.1991
Test Finished :13.02.1992

Weeks	(Coefficient of permeability) K (cm/sec)
1st.	3.0×10^{-8}
2nd.	1.0×10^{-8}
3rd.	3.0×10^{-8}
4th.	2.4×10^{-8}
5th.	4.2×10^{-8}
6th.	4.3×10^{-8}
7th	1.6×10^{-8}
8th.	2.9×10^{-8}
9th.	2.2×10^{-8}
10th.	2.8×10^{-8}
11th.	3.4×10^{-8}
12th.	2.9×10^{-8}
13th.	3.1×10^{-8}
14th.	2.6×10^{-8}
15th.	3.6×10^{-8}
16th.	3.6×10^{-8}
17th.	3.0×10^{-8}
18th.	5.4×10^{-8}
19th.	3.4×10^{-8}
20th.	3.4×10^{-8}
21st.	2.8×10^{-8}
22th.	2.3×10^{-8}
23th.	2.8×10^{-8}
24th.	2.5×10^{-8}
25th.	2.2×10^{-8}
26th.	2.9×10^{-8}
27th.	2.1×10^{-8}