Appendix A-5-12 Vertical Distribution of Water Temperature at Tortum Lake in Summer

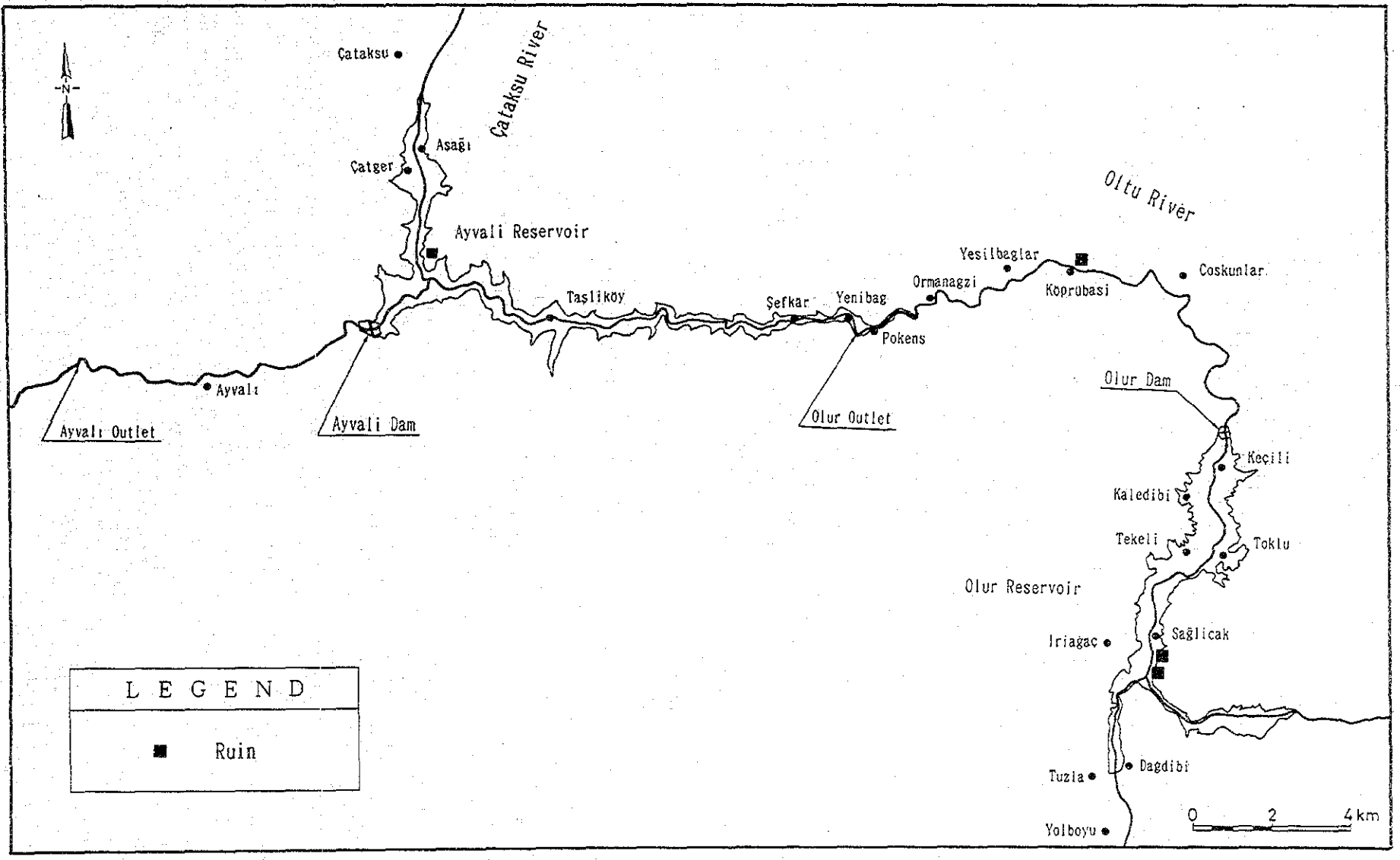
(Depth: 85 m)

Depth (m)	Tempreture (℃)
0	25.4
1	24.3
2	23.7
3	23.1
4	21.1
5	19.1
6	18.1
7	16.1
8	14.3
9	12.4
10	10.5
11	10.1
12	9.1
13	8.4
14	7.2
15	7.1
16	7.1
17	7.1

Appendix A-5-13 Distribution of Recreational Facilities [5), 10)]

(Number of Villages)

Item	Narman	Oltu	Olur	Senkaya	Tortum
Hunting Region	–	–	1	1	1
Available Forest to Tourists	–	–	–	1	–
Old Work of Art	1	1	7	21	–
Healing Lukwarm	–	–	–	5	2
Healing Mineral Spring	1	2	–	9	2
Visited Places	3	–	1	15	10
Others	1	–	–	3	6
Histrical and Natural Places	5	3	8	40	18
Total Number of Villages	43	64	40	69	60



Appendix A-5-14 Distribution of Ruin

Appendix A-5-15 Life Style of Residents (Result of Hearing Survey)

1. Survey Items

Hearing Survey was planned at the 4 villages in the project area. Survey Items are shown as follows.

1) Agriculture
2) Stock raising
3) Other activities
4) Situation of labor power
5) General merchandise
6) Fuels
7) Electricity
8) Food and drinking water
9) Drainage
10) Education
11) Regional transportation

2. Survey Result

(1) Ormanagzi

1) No information about Agricultural Area.
Kind of crops. For all information apply the map.
2) stock raising
(Olur Agricultural Office)
3) Nothing only agricultural facilities.
4) 16% of the people working at abroad, especially Europe, nearly all off the people deal with agriculture.
5) The production is limited and they are taking goods from Oltu such as vegetation, milk and cheese.
6) cool and wood. Cool is supplied from Balkaya and wood is supplied from forest which is near to villages.
7) Electricity is present. The network is insufficient.
8) They are eating what they are producing. They are buying only milk and cheese from Oltu District.
9) No drainage system.
10) 100% Attendance. (176 student in elementary schools)
The 80% of student who finished the elementary schools are going to secondary school. They are very keen on education. Some of them go to University and others do the family jobs.

11) They have only one way road Oltu Artvin road.
This is an international road which is connected to Iran.
The number of cars crossing the road in one day is between 50-60.

(2) Koprubasi

1) Avaliable from Olur Agriculture Office.
2) ——
3) Api Culture, 20 hives. This is consumed by villagers. Kilm production for themselves.
4) The 20% of them are the workers an Ankesa, Amasya and Samsun. And the remains are dealing only agricultural works.
5) The productions, which they produce, are not sufficient to their needs. So they are taking their necessities from Olur and Yesilboglar by using road.
6) Wood cutting from forest. They buy gasoline from Coskinler.
7) They have electrification, but not sufficient.
8) They eat what they produce but they buy something from Olur and Yesilbeglar They are taking waters from 3 difference spring.
9) No treatment system.
10) The attendant to elementary schools is 100%.
The attendant to the secondary school is not good. There are 10 students in elementary school and 4 students in secondary schools and 4 students in high school.
11) They are using same road. And number of car crossing this road is nearly about 100.

(3) Taslikoy

1) Olur Agriculture Office.
2) ——
3) Honey production and kilim production are present but for only villager needs.
4) The 65% of the people are dealing with farming and 35% of them are dealing with feeding of animal. And subproducts of animals (milk, cheese, skin, fresh butter) are sold a near markets.

Only one person is dealing with fishing in this village.

5) The amount of selling things is greater than the amount of other necessities. And they sell good in Oltu.
6) They use wood as fuel coming from forest.
7) Electrification is present but not sufficient.
8) No drainage system.
9) They eat what they produce in village. But during recent years due to damage coming from insects the amount of product drops especially in fruits. (walnut and quince)
   They are taking water from 5 different springs. But they have also water networks.
10) There are 5 elementary schools are 1 secondary schools. The attendance to elementary school is 100% whereas the attendance to secondary school is very low due to absence in teacher number.
11) One road but they have also another road which connects them to the upper quarters.
   Number of cars crossing main road is 100.

(4) Çataksu

1) The agricultural area is approximately equal to 70000 de. Of which 250 he is irrigatable.
   Every product (crops, fruits) is produced in Cataksu. (We observed apricots quince, clover, poplar, corn, oleaster, willow, apple) They gain 150-200 million TV / year from walnut trees.
2) Avaliable from Olur Agriculture Office.
3) ——
4) ——
5) ——
6) ——
7) ——
8) ——
9) ——
10) ——
11) ——

* There is a mark on the road about "Hunting is prohibited in this Area" on the entrance of Çataksu road.

* In tributaries of Çataksu the trout is present. But not in main river. In Cataksu river only Carps is present. (The villagers of Taslikoy gave this information)

Appendix A-5-16 Actual Condition of Population in 5 Districts [7]

Item	Olur	Oltu	Tortum	Narman	Senkaya
Population	19,074	43,397	46,987	25,005	36,370
Increase Rate(%/y)	-8.85	11.46	5.34	-1.33	-11.70
Density (per km²)	23	31	24	29	25

Source: Population census in 1985

Appendix A-5-17 Movement of Population in Some Villages [7]

Village	Year						
	1955	1960	1965	1970	1975	1980	1985
Ormanagzi	1,222	1,334	1,481	1,614	1,547	1,431	1,380
Köprübasi	174	193	203	211	201	224	168
Çataksu	673	861	918	978	962	990	915
Taslıköy	495	956	1,072	1,155	1,242	1,310	1,212

Source : State Institute of Statistics, Population Census in 1985

Appendix A-5-18 Population Distribution in Main Industries of Erzurum Province [7]

Grope	Male	Femal	Total
Scientific and Technical	9,281	3,212	12,493
Goverment	1,461	26	1,487
Clerical	7,403	1,591	8,994
Sales	9,752	192	9,544
Service	13,293	588	13,881
Agriculturel, Forestry and Fisheries	117,252	144,891	262,143
Manufacturung and Transport	52,708	837	53,545
Unknown	1	46	47
Unemployed	11,034	897	11,931
Erzurum Total	222,230	152,235	374,465

Appendix A-5-19 Production Classified by Industry [10]

(Million TL)

Industry	1975	1976	1977	1978
Agriculture	2,327.8	3,369.8	4,370.4	6,005.6
Plant and animal	2,290.5	3,330.6	4,290.6	5,890.1
Forestry	37.2	39.1	79.6	115.2
Fishery	0.1	0.1	0.2	0.3
Industry	476.9	523.2	685.3	1,124.1
Mining	45.6	55.5	74.5	99.7
Production Industry	375.8	295.5	509.2	871.6
Electricity, Gas, Water	55.5	72.2	101.6	152.8
Construction	250.7	294.0	437.0	666.4
Trade	528.4	660.2	861.7	1,315.5
Transportation and Communication	421.3	538.8	711.3	1,086.1
Financial	162.6	218.4	287.8	366.6
Income from Buildings	237.8	296.5	407.3	642.5
Services	250.7	313.6	403.4	612.0
Bank service expenses	- 81.0	- 108.5	- 148.9	- 183.6
Sum of Industries	4,575.2	6,106.0	8,021.3	11,635.2

Appendix A-5-20 Number of Livestock in 5 Districts

(Unit: head)

Kind of Livestock		Oltu	Olur	Narman	Senkaya	Tortum
Breeding in Pasture	Cattle	13,360	19,715	10,655	43,215	40,634
	Water buffalo	25	250	23	368	80
	Sheep	48,350	41,210	63,500	72,750	84,050
	Goat	24,310	16,853	3,210	25,625	10,520
Breeding in Barn	Cattle	—	1	—	—	—
	Apiculture	4,670	2,176	1,100	4,727	3,295
	Poultry	7,370	19,720	—	11,860	8,010

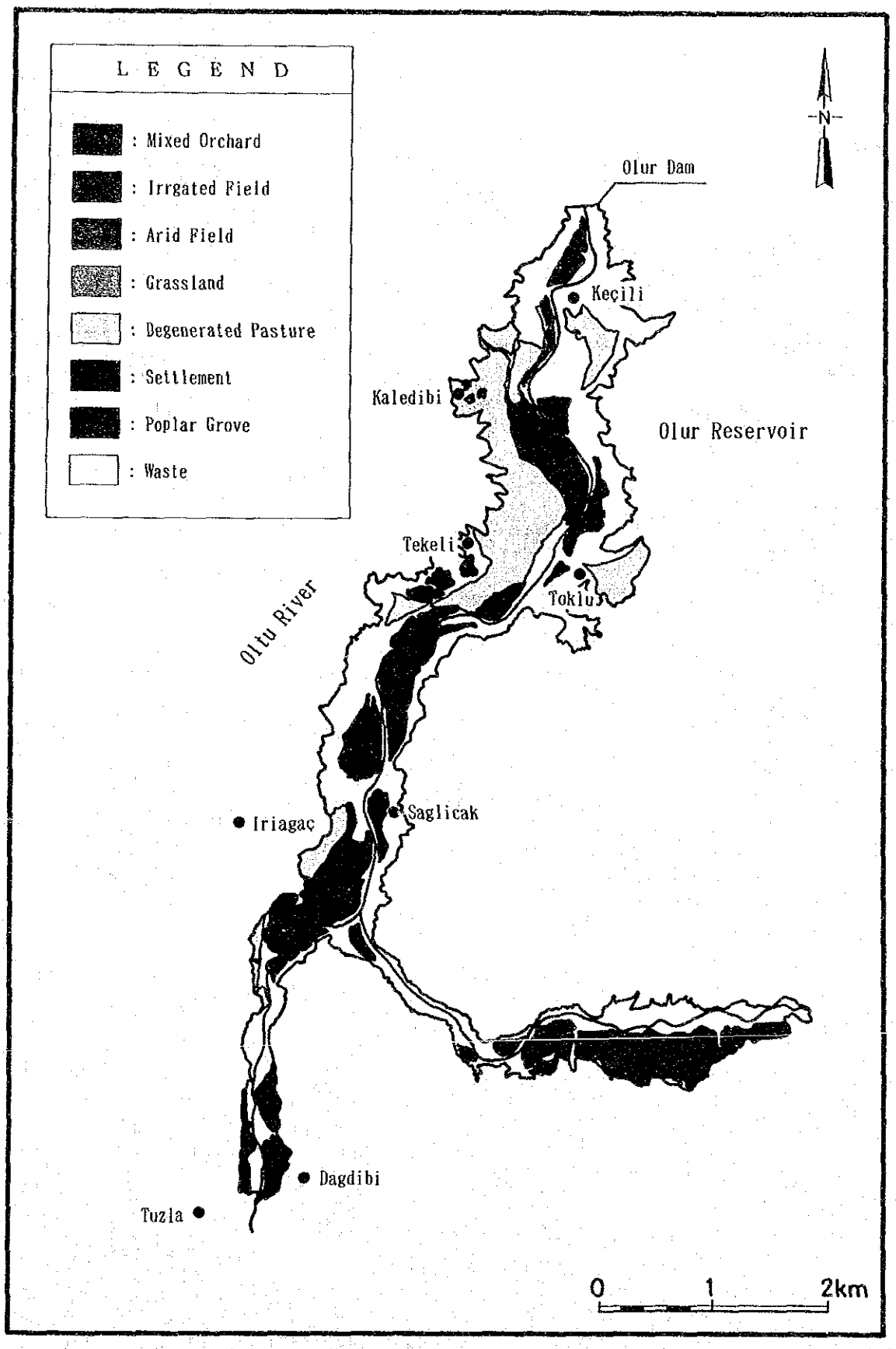
Appendix A-5-21 Catch of Fish in Erzurum Province. [01]

Fish	Quantity (Unit : t/year)
Trout	1.20
Black Fish	26.00
Rock Fish	4.80
Freshwater Grey Mullet	2.40
Rudd	0.75
Carp	111.90
Sheat Fish	8.50
Others	6.70

Appendix A-5-22 Situation of Land Utilization in 5 Districts [0]

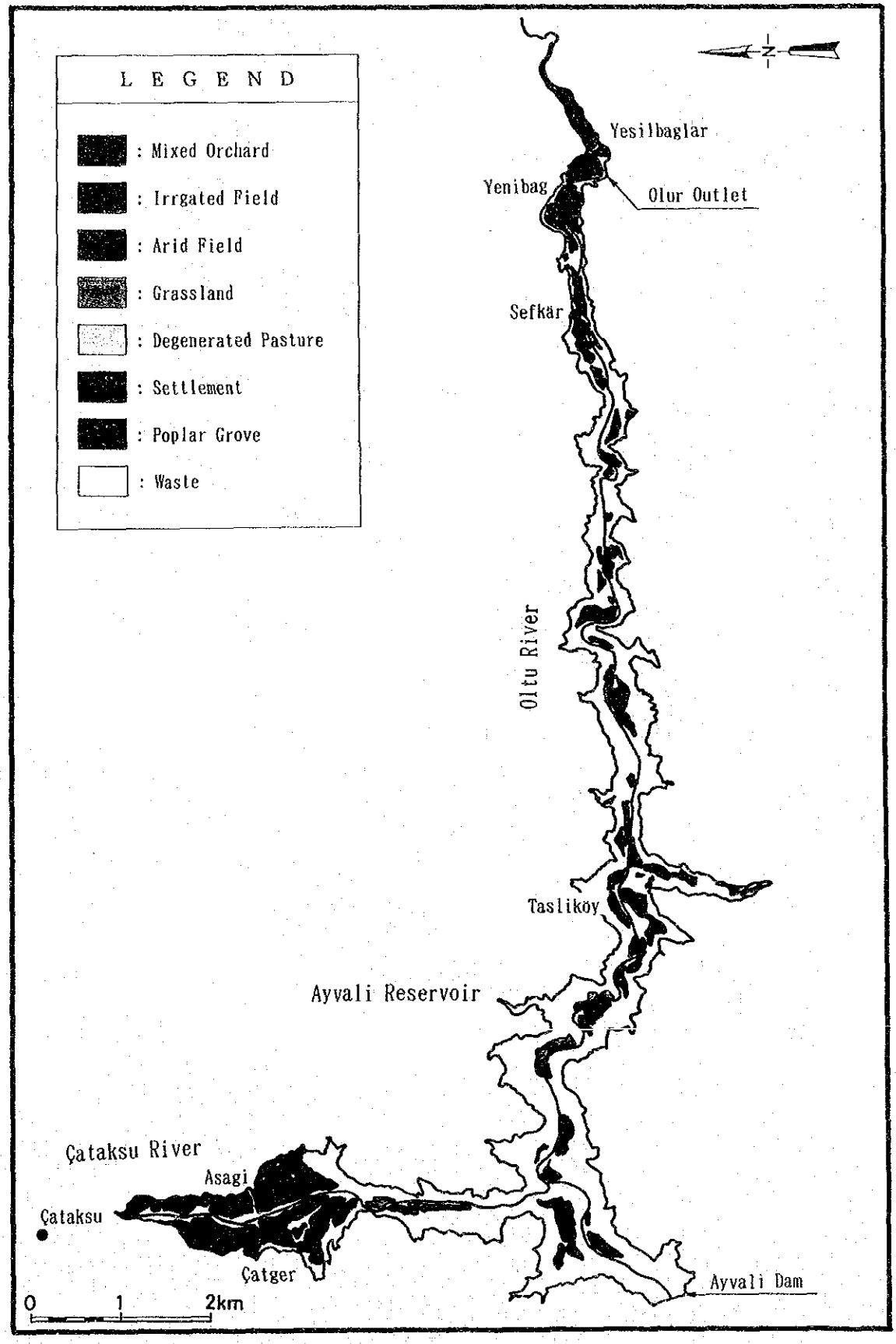
(Unit: ha)

Districts / Type	Olur	Narman	Oltu	Senkaya	Tortum
Pasture	24,540	54,750	25,990	68,411	59,280
Meadow	379,693	450,590	758,015	589,133	1,093,755
Forest	160,025	19,300	224,645	362,525	129,351
Brushwood	75,425	—	38,850	34,850	51,675
Dry Agriculture with Fallowing	73,477	127,684	46,483	123,270	104,093
Dry Agriculture without Fallowing	—	69,288	94,140	800	1,000
Irrigated Field	3,620	47,090	37,575	38,762	28,321
Garden	11,650	—	1,700	4,652	30,295
Vineyard	20	—	1,900	—	—
Housing Land	5,624	2,895	5,240	7,825	6,422
Water Surface Area	107	—	1,250	10	8,210
River Bed	2,634	3,270	12,525	5,664	8,976
Swamp	620	—	—	54	2,800
Rocky Place	57,105	36,000	123,110	17,615	140,520
Others	—	—	5,900	140,520	—
Uncultivated Area	66,090	42,165	148,025	31,172	166,928
Total Area	794,570	811,880	1,378,530	1,253,973	1,667,751



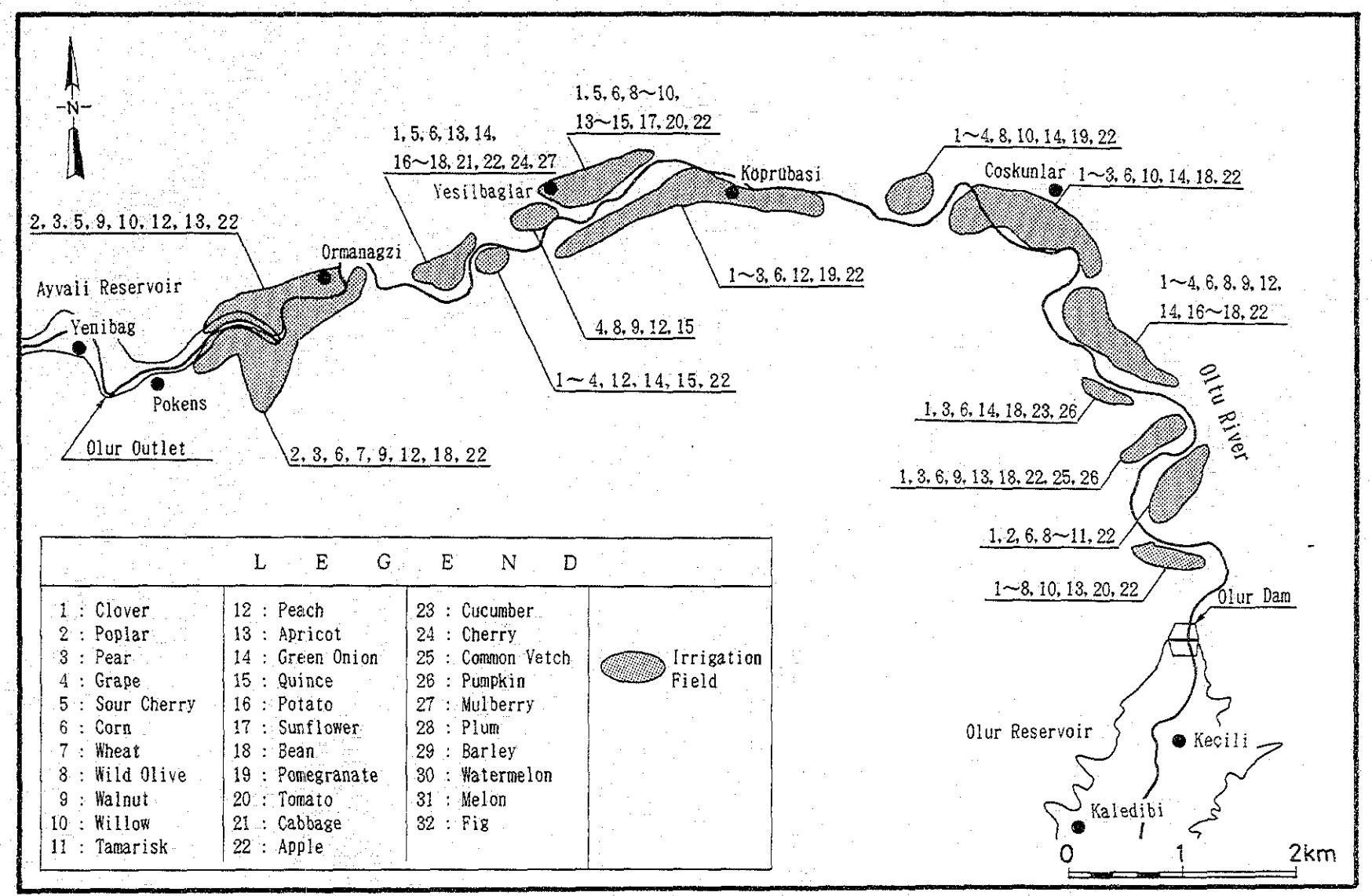
Appendix A-5-23(1) Situation of Land Utilization in Olur Area.

Source: Report on Expropriation Values for Power Stages of Oltu Tributary of Çoruh River, 1991

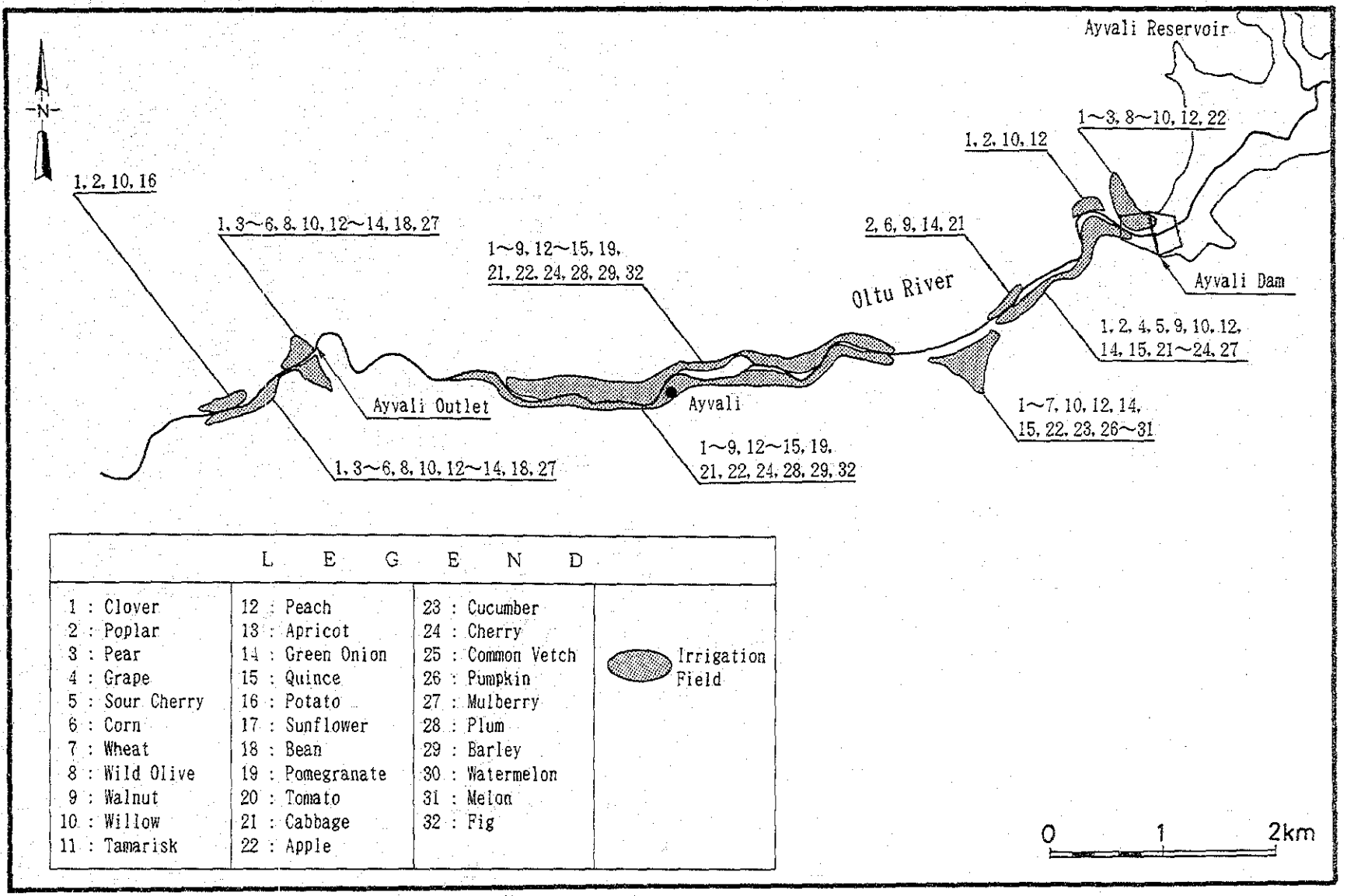


Appendix A-5-23(2) Situation of Land Utilization in Ayvali Area.

Source: Report on Expropriation Values for Power Stages of Oltu Tributary of Çoruh River, 1991



Appendix A-5-24(1) Agricultural Products at Water Reducing Area Between Olur Dam and Outlet



Appendix A-5-24(2) Agricultural Products at Water Reducing Area Between Ayvali Dam and Outlet

Appendix A-5-25 Distribution of Public Facilities in Plannd Area [10]

	School	Mosque	Post Office	Town Hall	Store	Petrol Office	Spring	Police Station	Grave	Ruin	Recreation Facilities	Health Center
Olur Reservoir Area												
Yolboyu	○	○	○	○	○	○			○		○	
Dagdibi	○	○	○		○				○			
Iriagaç	○	○	○	○	○		○		○		○	○
Saglicak	○	○		○	○				○			
Tekeli	○	○	○	○			○		○			
Toklu	○	○		○			○		○			
Tuzla	○	○		○	○		○		○			
Kaledibi	○	○	○	○			○		○			
Olur Dam Site ～ P/S												
Coskunlar	○	○	○	○	○	○			○			○
Köprübasi	○	○	○	○			○		○	○		
Yasilbaglar	○	○	○	○	○		○		○			
Ormaragzi	○	○	○	○	○		○		○	○	○	○
Ayvali Reservoir Area												
Taslikoy	○	○	○					○	○	○		○
Çataksu	○	○	○		○				○			○

○ : Public Facilities exist

Appendix A-5-26 Kind of Fuel in Daily Life of Residents [10]

Administrative Sector	Erzurum		Oltu	
Total Number of Villages	1,034		64	
Choice	A	B	A	B
Coal	13	69	–	12
Wood	147	246	37	14
Petrolium	1	1	–	–
Dried Dunk	872	595	26	2
Others	1	3	1	2

A : First Choice
B : Second Choise

Reference

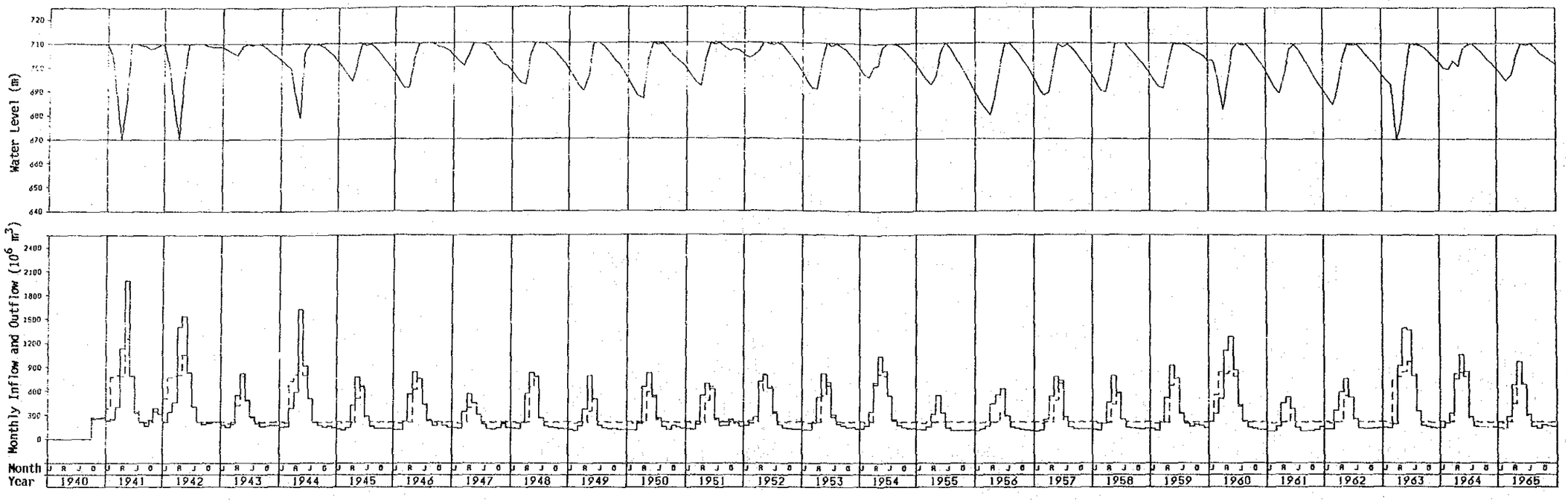
1) Soil Distribution Inventory Report of Erzurum Province
2) Known Ore and Mineral Resources of Turkey; General Directorate of Mineral and Exploration
3) City Woodland; Published by Prof. Dr. Ibrahim ATAY
4) Çoruh-Oltu River Master Plan Report, EIE, June-1990
5) Fresh Water Fish and Production Techniques; Published by Prof. Dr. Dogan ATAY, 1987
6) Hunting Seasons Between 1989 and 1990 with the decision of Main Hunting Comission
7) Census of Population in 1985 for the Province of Erzurum
8) Report on Expropriation Value for Power Stages of Oltu Tributary of Çoruh river; The Directorate of the Project Division of Dams and HPPs (1991)
9) Economical Investigation about Turkish Fresh Water Product (1983), Published by Ministry of Agriculture and Forestry
10) Inventory Study for the Subdistricts of Erzurum Province, Published by Ministry of Agriculture and Forestry
11) Turkey Fresh Water Fish Catalogue

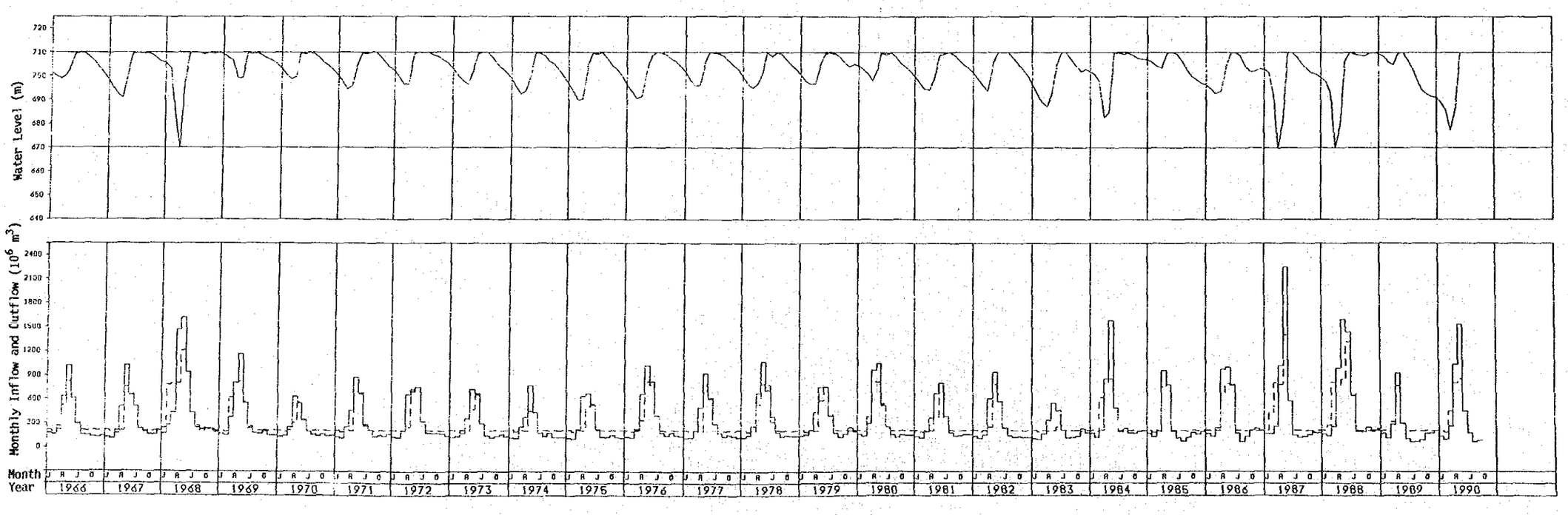
A-6 Reservoir Operation Study

Summary of Operation Study of Yusufeli Reservoir

Unit: 10^6 m^3

YEAR	INFLOW	POWER DISCHARGE	SPILL
1940	6263.12	5927.76	410.51
1941	6487.00	6168.84	268.82
1942	3593.27	3640.41	0.57
1943	5172.55	5143.96	8.69
1944	3246.60	3343.53	0.0
1945	3807.04	3715.24	1.07
1946	2910.08	3054.97	0.0
1947	3672.01	3588.06	0.0
1948	2863.86	2948.48	0.0
1949	3304.28	3267.49	0.0
1950	3318.27	3264.04	0.0
1951	4055.90	4060.88	0.0
1952	3430.30	3396.23	0.0
1953	4530.11	4501.70	0.12
1954	2302.39	2530.76	7.73
1955	2876.00	2746.33	0.0
1956	3345.85	3341.80	0.0
1957	3151.78	3132.71	1.33
1958	3686.87	3635.56	0.0
1959	5533.71	5524.00	2.20
1960	2404.40	2633.79	0.0
1961	3336.19	3188.01	0.0
1962	5821.22	5554.55	162.40
1963	4300.44	4372.81	0.0
1964	3884.91	3896.70	0.0
1965	3924.50	3910.69	0.0
1966	3928.19	3825.83	0.0
1967	6330.97	5768.37	538.48
1968	4469.17	4551.46	2.73
1969	3057.47	3110.27	0.0
1970	3603.56	3531.01	2.72
1971	3725.48	3720.47	1.57
1972	3230.54	3317.61	2.88
1973	3000.39	3003.78	0.0
1974	3141.90	3161.03	0.0
1975	4106.38	4029.15	0.0
1976	3564.48	3586.31	0.0
1977	4144.10	4122.86	0.0
1978	3594.01	3635.56	0.0
1979	4270.57	4268.54	0.0
1980	3462.89	3420.42	0.0
1981	3484.99	3542.37	0.0
1982	2556.08	2581.95	0.0
1983	4593.25	4454.94	0.0
1984	3349.78	3636.23	0.0
1985	4211.71	4141.88	0.0
1986	5520.15	4937.53	547.24
1987	6152.67	5443.66	530.62
1988	2847.99	3297.89	0.13
1989	4446.00	3943.20	3.91
AVERAGE	3920.29	3870.41	49.87





Yusufeli Reservoir Operation

Total Energy Generation of Yusufeli Project

Unit: GWh

NO.	Month / Year	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	133.79	129.39	133.72	185.17	360.76	332.21	328.15	401.76	388.68	173.85	107.11	103.25	2777.86
2	1941	106.47	167.67	160.37	248.06	350.00	326.69	342.90	401.76	387.67	200.88	107.47	103.82	2903.76
3	1942	106.92	103.36	106.81	106.47	95.57	105.22	204.47	389.36	246.01	133.79	107.30	103.29	1808.58
4	1943	105.92	101.78	104.45	103.51	95.94	332.35	345.64	388.48	388.62	254.40	107.35	103.52	2431.95
5	1944	106.17	101.92	104.29	102.86	91.56	99.91	97.91	249.01	335.97	133.54	106.84	102.34	1632.30
6	1945	104.46	99.80	101.70	100.03	88.73	97.43	97.57	302.84	375.58	214.21	120.41	103.45	1806.20
7	1946	106.54	102.80	105.36	104.16	93.10	103.64	191.82	227.44	155.30	107.12	106.28	101.56	1505.11
8	1947	103.57	99.40	101.90	100.57	92.68	98.21	98.20	317.20	388.72	133.82	106.93	102.63	1743.83
9	1948	105.02	100.44	102.33	100.65	89.25	97.32	95.26	168.13	246.14	107.12	106.17	101.52	1419.34
10	1949	103.50	98.70	100.29	98.23	86.92	95.10	96.17	289.10	271.39	120.15	106.75	102.13	1568.44
11	1950	104.45	100.21	102.35	100.89	89.70	98.17	97.79	237.10	323.14	120.14	106.83	102.64	1583.40
12	1951	105.88	102.54	105.37	104.52	97.67	105.15	295.56	401.40	323.07	160.29	107.02	102.75	2011.22
13	1952	104.91	100.13	101.88	100.06	88.66	97.16	96.97	262.42	348.90	133.49	107.13	103.08	1644.80
14	1953	105.58	101.07	103.12	101.56	90.74	101.29	321.79	391.39	387.14	267.86	120.40	103.47	2195.42
15	1954	106.04	101.49	103.54	101.94	90.59	98.78	95.90	102.94	103.17	106.86	105.38	100.30	1216.93
16	1955	101.79	96.56	97.60	95.27	87.20	91.63	90.48	99.48	164.61	147.05	106.72	102.15	1280.53
17	1956	104.13	99.20	100.72	98.48	87.07	95.86	96.23	235.22	361.06	119.91	106.73	102.20	1606.81
18	1957	104.26	99.53	101.37	99.59	88.27	96.63	95.80	208.20	284.90	120.51	106.92	102.41	1508.37
19	1958	104.59	99.90	101.80	100.27	88.97	97.53	97.27	328.07	375.26	160.39	107.05	103.04	1764.14
20	1959	105.83	101.86	104.38	103.80	260.81	373.88	360.65	401.01	386.57	214.01	107.22	103.28	2623.30
21	1960	105.52	100.74	102.50	100.58	88.93	96.82	95.44	103.62	154.46	106.72	105.24	100.04	1260.61
22	1961	101.44	96.26	97.79	96.10	85.22	95.16	97.20	262.97	258.51	120.25	106.69	102.10	1519.69
23	1962	104.22	99.56	101.53	100.11	89.22	312.06	315.18	369.99	388.80	401.32	173.67	103.43	2559.10
24	1963	106.10	101.73	103.98	102.66	95.34	102.75	388.24	401.44	386.06	133.66	106.90	102.52	2131.40
25	1964	104.84	100.34	102.57	101.31	90.23	99.81	210.07	382.89	349.28	146.97	106.88	102.42	1897.61
26	1965	104.91	100.87	103.37	102.53	92.07	102.03	249.05	401.69	297.78	147.17	106.85	102.51	1910.83
27	1966	104.77	100.06	102.03	100.52	89.24	97.57	96.95	366.74	323.63	254.34	120.41	103.72	1859.97
28	1967	106.65	102.44	105.37	117.42	359.16	333.89	346.68	401.76	388.80	214.29	133.70	103.81	2713.97
29	1968	120.34	103.87	107.31	106.76	95.78	297.31	380.65	401.46	284.65	120.31	107.07	103.00	2228.52
30	1969	105.95	101.93	104.31	103.11	92.13	101.84	151.60	280.68	168.16	107.28	106.73	102.37	1526.10
31	1970	104.86	100.58	102.85	101.53	90.34	99.67	99.00	343.02	336.11	133.69	107.47	103.48	1722.60
32	1971	105.84	101.37	103.77	102.63	94.67	100.43	125.11	347.61	375.73	160.68	107.21	103.25	1828.29
33	1972	106.09	102.01	104.42	102.99	91.87	100.84	98.57	236.00	323.58	147.33	106.94	102.29	1622.93
34	1973	104.38	99.96	102.18	100.64	89.28	98.44	97.32	221.76	219.87	106.99	106.11	101.82	1448.76
35	1974	104.22	99.45	101.23	99.43	88.09	96.64	97.59	250.94	271.45	107.21	106.63	101.90	1524.77
36	1975	104.08	99.50	101.26	99.51	91.50	97.18	157.69	401.58	387.38	200.73	107.09	102.92	1950.43
37	1976	105.61	101.48	103.71	102.21	90.99	100.06	99.32	384.22	310.66	146.94	106.92	102.67	1754.79
38	1977	105.08	100.73	102.81	101.25	90.31	100.07	257.75	389.00	386.96	159.88	107.19	102.99	2004.01
39	1978	105.32	100.85	103.05	101.80	91.04	100.48	99.25	290.22	374.93	200.43	106.85	102.45	1776.66
40	1979	104.76	101.25	104.75	104.09	96.48	177.84	388.08	401.66	271.59	120.22	106.90	102.44	2080.07
41	1980	104.74	100.41	102.72	101.48	90.35	99.13	97.29	182.06	387.03	187.19	107.16	102.97	1662.55
42	1981	105.39	101.06	103.47	102.29	91.10	99.45	123.06	389.21	285.05	120.48	106.86	102.24	1729.65
43	1982	104.30	99.58	101.32	99.30	87.74	95.60	93.40	101.20	127.63	107.42	106.68	101.86	1226.03
44	1983	103.92	100.12	103.37	102.75	95.16	277.26	346.06	400.79	245.69	107.10	107.14	103.58	2092.95
45	1984	106.44	102.63	105.96	105.59	94.66	104.19	369.53	387.76	103.78	106.42	104.58	99.47	1791.02
46	1985	101.79	97.81	100.47	99.81	89.17	98.44	318.37	389.11	388.55	107.07	105.63	100.54	1996.77
47	1986	103.33	100.30	103.84	103.39	203.86	342.01	321.21	397.58	285.15	106.97	105.74	101.07	2274.45
48	1987	103.39	99.42	102.25	101.49	127.87	344.60	319.11	388.96	388.80	334.27	107.03	103.39	2520.58
49	1988	107.02	103.93	120.34	106.83	95.68	157.14	376.58	147.23	103.26	104.80	102.43	96.87	1622.11
50	1989	98.54	94.67	97.49	96.69	85.77	194.32	342.61	400.64	227.43	89.39	36.82	43.17	1807.55
	TOTAL	5283.62	5122.66	5245.34	5322.89	5667.40	7467.15	10104.46	15626.03	15042.61	7736.88	5397.52	5060.10	93076.62
	AVE	105.67	102.45	104.91	106.46	113.35	149.34	202.09	312.52	300.85	154.74	107.95	101.20	1861.53
	MAX	133.79	167.67	160.37	248.06	360.76	373.88	388.24	401.76	388.80	401.32	173.67	103.82	2903.76
	MIN	98.54	94.67	97.49	95.27	85.22	91.63	90.48	99.48	103.17	89.39	36.82	43.17	1216.93

Firm Energy Generation of Yusufeli Project

Unit: GWh

NO.	Month / Year	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	100.44	97.20	100.44	100.44	90.35	85.68	82.25	100.44	97.20	100.44	100.44	97.20	1152.53
2	1941	100.44	97.20	100.44	100.44	87.54	84.72	85.87	100.44	97.20	100.44	100.44	97.20	1152.38
3	1942	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
4	1943	100.44	97.20	100.44	100.44	93.96	98.03	86.58	97.16	97.20	100.44	100.44	97.20	1169.52
5	1944	100.44	97.20	100.44	100.44	90.72	99.67	97.20	100.44	97.20	100.44	100.44	97.20	1181.82
6	1945	100.44	97.20	100.44	99.83	87.83	96.07	97.20	100.44	97.20	100.44	100.44	97.20	1174.73
7	1946	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
8	1947	100.44	97.20	100.44	100.44	92.09	97.20	97.20	100.44	97.20	100.44	100.44	97.20	1180.73
9	1948	100.44	97.20	100.44	100.44	88.58	95.91	94.38	100.44	97.20	100.44	100.44	97.20	1173.11
10	1949	100.44	97.20	100.22	97.23	85.23	92.74	95.69	100.44	97.20	100.44	100.44	97.20	1164.47
11	1950	100.44	97.20	100.44	100.44	89.22	97.14	97.20	100.44	97.20	100.44	100.44	97.20	1177.80
12	1951	100.44	97.20	100.44	100.44	93.96	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1185.84
13	1952	100.44	97.20	100.44	99.88	87.73	95.69	96.86	100.44	97.20	100.44	100.44	97.20	1173.96
14	1953	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
15	1954	100.44	97.20	100.44	100.44	90.52	98.02	95.31	100.44	97.20	100.44	100.44	97.20	1178.08
16	1955	100.44	96.26	96.32	92.99	84.26	87.85	87.55	99.03	97.20	100.44	100.44	97.20	1139.99
17	1956	100.44	97.20	100.44	97.58	85.45	93.83	95.78	100.44	97.20	100.44	100.44	97.20	1166.44
18	1957	100.44	97.20	100.44	99.19	87.16	94.92	95.16	100.44	97.20	100.44	100.44	97.20	1170.24
19	1958	100.44	97.20	100.44	100.18	88.18	96.22	97.20	100.44	97.20	100.44	100.44	97.20	1175.57
20	1959	100.44	97.20	100.44	100.44	93.96	93.86	90.25	100.44	97.20	100.44	100.44	97.20	1172.31
21	1960	100.44	97.20	100.44	100.44	88.12	95.20	94.64	100.44	97.20	100.44	100.44	97.20	1172.20
22	1961	100.44	95.82	96.60	94.17	82.80	92.83	97.19	100.44	97.20	100.44	100.44	97.20	1155.57
23	1962	100.44	97.20	100.44	99.95	88.54	87.95	78.98	92.60	97.20	100.44	100.44	97.20	1141.37
24	1963	100.44	97.20	100.44	100.44	93.96	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1185.84
25	1964	100.44	97.20	100.44	100.44	89.99	99.52	97.20	100.44	97.20	100.44	100.44	97.20	1180.95
26	1965	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
27	1966	100.44	97.20	100.44	100.44	88.56	96.28	96.82	100.44	97.20	100.44	100.44	97.20	1175.89
28	1967	100.44	97.20	100.44	100.44	92.52	85.27	86.80	100.44	97.20	100.44	100.44	97.20	1158.83
29	1968	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
30	1969	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
31	1970	100.44	97.20	100.44	100.44	90.16	99.31	97.20	100.44	97.20	100.44	100.44	97.20	1180.91
32	1971	100.44	97.20	100.44	100.44	93.96	100.42	97.20	100.44	97.20	100.44	100.44	97.20	1185.82
33	1972	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
34	1973	100.44	97.20	100.44	100.44	88.62	97.53	97.20	100.44	97.20	100.44	100.44	97.20	1177.59
35	1974	100.44	97.20	100.44	98.97	86.91	94.94	97.20	100.44	97.20	100.44	100.44	97.20	1171.81
36	1975	100.44	97.20	100.44	99.08	90.39	95.72	97.20	100.44	97.20	100.44	100.44	97.20	1176.18
37	1976	100.44	97.20	100.44	100.44	90.72	99.88	97.20	100.44	97.20	100.44	100.44	97.20	1182.04
38	1977	100.44	97.20	100.44	100.44	90.11	99.89	97.20	100.44	97.20	100.44	100.44	97.20	1181.44
39	1978	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
40	1979	100.44	97.20	100.44	100.44	93.96	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1185.84
41	1980	100.44	97.20	100.44	100.44	90.18	98.53	97.20	100.44	97.20	100.44	100.44	97.20	1180.15
42	1981	100.44	97.20	100.44	100.44	90.72	99.00	97.20	100.44	97.20	100.44	100.44	97.20	1181.16
43	1982	100.44	97.20	100.44	98.77	86.40	93.46	91.70	100.44	97.20	100.44	100.44	97.20	1164.13
44	1983	100.44	97.20	100.44	100.44	93.96	95.08	86.93	100.44	97.20	100.44	100.44	97.20	1170.22
45	1984	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1182.60
46	1985	100.44	97.20	100.44	99.52	88.46	97.53	97.20	100.44	97.20	100.44	100.44	97.20	1176.51
47	1986	100.44	97.20	100.44	100.44	90.72	87.83	80.56	99.40	97.20	100.44	100.44	97.20	1152.30
48	1987	100.44	97.20	100.44	100.44	92.97	88.05	80.05	97.28	97.20	100.44	100.44	97.20	1152.14
49	1988	100.44	97.20	100.44	100.44	90.72	100.44	97.20	100.44	97.20	100.44	100.44	96.72	1182.12
50	1989	97.68	93.53	96.16	95.01	83.59	87.99	85.81	100.44	97.20	89.39	36.82	43.17	1006.80
	TOTAL	5019.21	4854.01	5009.51	4988.18	4490.22	4805.48	4703.93	5005.23	4859.99	5010.92	4958.35	4805.48	58510.62
	AVE	100.38	97.08	100.19	99.76	89.80	96.11	94.08	100.10	97.20	100.22	99.17	96.11	1170.21
	MAX	100.44	97.20	100.44	100.44	93.96	100.44	97.20	100.44	97.20	100.44	100.44	97.20	1185.84
	MIN	97.68	93.53	96.16	92.99	82.80	84.72	78.98	92.60	97.20	89.39	36.82	43.17	1006.80

Monthly Peak Power of Yusufeli Project

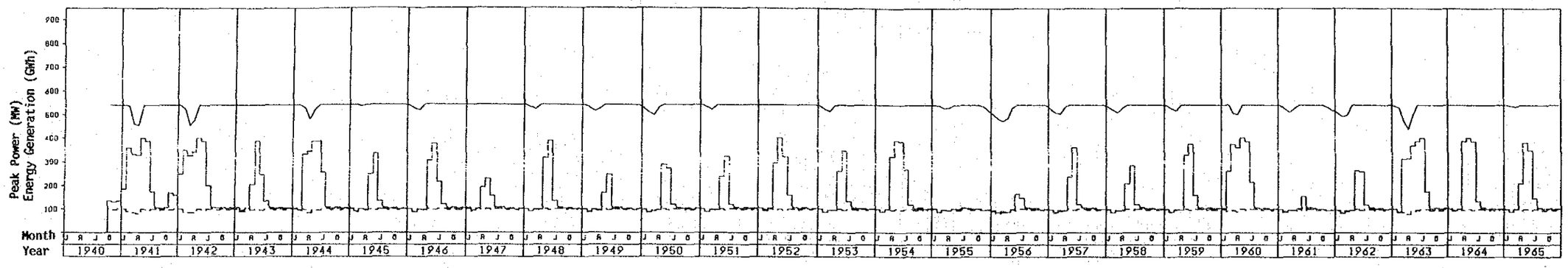
Unit: MW

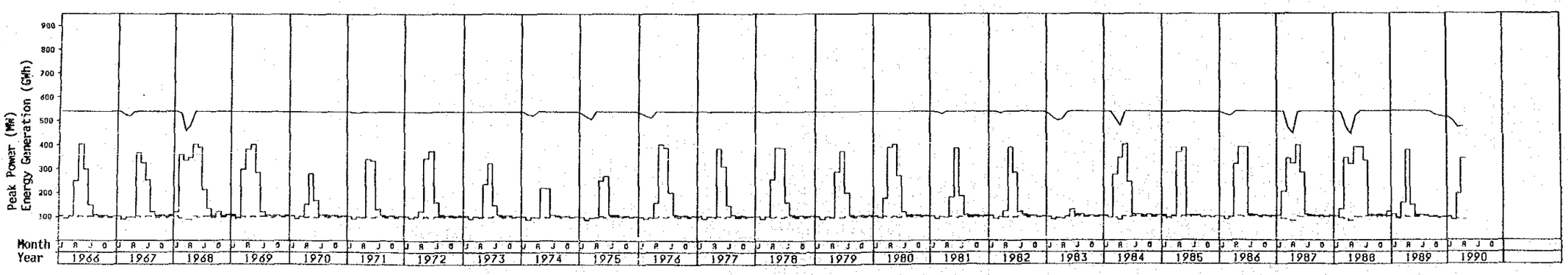
NO.	Month Year	< OCT >	< NOV >	< DEC >	< JAN >	< FEB >	< MAR >	< APR >	< MAY >	< JUN >	< JUL >	< AUG >	< SEP >	<TOTAL>
1	1940	540.00	540.00	540.00	540.00	537.81	460.67	456.96	540.00	540.00	540.00	540.00	540.00	6315.44
2	1941	540.00	540.00	540.00	540.00	521.09	455.50	477.06	540.00	540.00	540.00	540.00	540.00	6313.65
3	1942	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
4	1943	540.00	540.00	540.00	540.00	540.00	527.02	480.97	522.35	540.00	540.00	540.00	540.00	6390.34
5	1944	540.00	540.00	540.00	540.00	540.00	535.84	540.00	540.00	540.00	540.00	540.00	540.00	6475.84
6	1945	540.00	540.00	540.00	536.74	522.78	516.50	540.00	540.00	540.00	540.00	540.00	540.00	6436.02
7	1946	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
8	1947	540.00	540.00	540.00	540.00	529.24	522.59	540.00	540.00	540.00	540.00	540.00	540.00	6451.83
9	1948	540.00	540.00	540.00	540.00	527.26	515.66	524.32	540.00	540.00	540.00	540.00	540.00	6427.23
10	1949	540.00	540.00	538.81	522.74	507.30	498.61	531.63	540.00	540.00	540.00	540.00	540.00	6379.09
11	1950	540.00	540.00	540.00	540.00	531.10	522.24	540.00	540.00	540.00	540.00	540.00	540.00	6453.34
12	1951	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
13	1952	540.00	540.00	540.00	536.99	522.20	514.47	538.09	540.00	540.00	540.00	540.00	540.00	6431.75
14	1953	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
15	1954	540.00	540.00	540.00	540.00	538.80	526.97	529.49	540.00	540.00	540.00	540.00	540.00	6455.25
16	1955	540.00	534.80	517.83	499.95	484.26	472.34	486.38	532.44	540.00	540.00	540.00	540.00	6227.99
17	1956	540.00	540.00	540.00	524.64	508.62	504.47	532.11	540.00	540.00	540.00	540.00	540.00	6389.84
18	1957	540.00	540.00	540.00	533.30	518.82	510.33	528.66	540.00	540.00	540.00	540.00	540.00	6411.11
19	1958	540.00	540.00	540.00	538.58	524.88	517.31	540.00	540.00	540.00	540.00	540.00	540.00	6440.77
20	1959	540.00	540.00	540.00	540.00	540.00	504.64	501.40	540.00	540.00	540.00	540.00	540.00	6406.04
21	1960	540.00	540.00	540.00	540.00	524.50	511.83	525.78	540.00	540.00	540.00	540.00	540.00	6422.11
22	1961	540.00	532.34	519.36	506.31	492.89	499.07	539.93	540.00	540.00	540.00	540.00	540.00	6329.89
23	1962	540.00	540.00	540.00	537.36	527.02	472.84	438.76	497.83	540.00	540.00	540.00	540.00	6253.82
24	1963	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
25	1964	540.00	540.00	540.00	540.00	535.68	535.06	540.00	540.00	540.00	540.00	540.00	540.00	6470.74
26	1965	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
27	1966	540.00	540.00	540.00	540.00	527.12	517.62	537.89	540.00	540.00	540.00	540.00	540.00	6442.63
28	1967	540.00	540.00	540.00	540.00	531.73	458.44	482.22	540.00	540.00	540.00	540.00	540.00	6332.38
29	1968	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
30	1969	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
31	1970	540.00	540.00	540.00	540.00	536.65	533.94	540.00	540.00	540.00	540.00	540.00	540.00	6470.60
32	1971	540.00	540.00	540.00	540.00	540.00	539.89	540.00	540.00	540.00	540.00	540.00	540.00	6479.88
33	1972	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
34	1973	540.00	540.00	540.00	540.00	527.48	524.38	540.00	540.00	540.00	540.00	540.00	540.00	6451.86
35	1974	540.00	540.00	540.00	532.07	517.30	510.42	540.00	540.00	540.00	540.00	540.00	540.00	6419.79
36	1975	540.00	540.00	540.00	532.66	519.46	514.62	540.00	540.00	540.00	540.00	540.00	540.00	6426.75
37	1976	540.00	540.00	540.00	540.00	540.00	537.02	540.00	540.00	540.00	540.00	540.00	540.00	6477.01
38	1977	540.00	540.00	540.00	540.00	536.36	537.04	540.00	540.00	540.00	540.00	540.00	540.00	6473.39
39	1978	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
40	1979	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
41	1980	540.00	540.00	540.00	540.00	536.79	529.75	540.00	540.00	540.00	540.00	540.00	540.00	6466.54
42	1981	540.00	540.00	540.00	540.00	540.00	532.25	540.00	540.00	540.00	540.00	540.00	540.00	6472.25
43	1982	540.00	540.00	540.00	531.04	514.26	502.47	509.47	540.00	540.00	540.00	540.00	540.00	6377.24
44	1983	540.00	540.00	540.00	540.00	540.00	511.20	482.96	540.00	540.00	540.00	540.00	540.00	6394.16
45	1984	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
46	1985	540.00	540.00	540.00	535.04	526.54	524.38	540.00	540.00	540.00	540.00	540.00	540.00	6445.96
47	1986	540.00	540.00	540.00	540.00	540.00	472.19	447.54	534.39	540.00	540.00	540.00	540.00	6314.11
48	1987	540.00	540.00	540.00	540.00	534.30	473.40	444.70	522.99	540.00	540.00	540.00	540.00	6295.37
49	1988	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	537.31	6477.31
50	1989	525.15	519.63	517.00	510.82	497.56	473.07	476.73	540.00	540.00	480.59	197.95	239.85	5518.33
TOTAL		26985.15	26966.76	26932.99	26818.23	26499.74	25835.97	26133.01	26909.98	27000.00	26940.58	26657.95	26697.16	320376.75
AVE		539.70	539.34	538.66	536.36	529.99	516.72	522.66	538.20	540.00	538.81	533.16	533.94	6407.53
MAX		540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	540.00	6480.00
MIN		525.15	519.63	517.00	499.95	484.26	455.50	438.76	497.83	540.00	480.59	197.95	239.85	5518.33

Peak Power Duration of Yusufeli Project

Unit: MW

NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P	NO.	DATE	P
1	4010	540.00	61	4611	540.00	121	5211	540.00	181	5912	540.00	241	6506	540.00	301	7102	540.00	361	7712	540.00	421	8209	540.00	481	8905	540.00	541	4703	522.59
2	4011	540.00	62	4612	540.00	122	5212	540.00	182	5901	540.00	242	6507	540.00	302	7104	540.00	362	7701	540.00	422	8310	540.00	482	8906	540.00	542	4305	522.35
3	4012	540.00	63	4601	540.00	123	5205	540.00	183	5902	540.00	243	6508	540.00	303	7105	540.00	363	7704	540.00	423	8311	540.00	483	6104	539.93	543	5003	522.24
4	4001	540.00	64	4602	540.00	124	5206	540.00	184	5905	540.00	244	6509	540.00	304	7106	540.00	364	7705	540.00	424	8312	540.00	484	7103	539.89	544	5202	522.20
5	4005	540.00	65	4603	540.00	125	5207	540.00	185	5906	540.00	245	6610	540.00	305	7107	540.00	365	7706	540.00	425	8301	540.00	485	4912	538.81	545	4102	521.09
6	4006	540.00	66	4604	540.00	126	5208	540.00	186	5907	540.00	246	6611	540.00	306	7108	540.00	366	7707	540.00	426	8302	540.00	486	5402	538.80	546	8911	519.63
7	4007	540.00	67	4605	540.00	127	5209	540.00	187	5908	540.00	247	6612	540.00	307	7109	540.00	367	7708	540.00	427	8305	540.00	487	5801	538.58	547	7502	519.46
8	4008	540.00	68	4606	540.00	128	5310	540.00	188	5909	540.00	248	6601	540.00	308	7210	540.00	368	7709	540.00	428	8306	540.00	488	5204	538.09	548	6112	519.36
9	4009	540.00	69	4607	540.00	129	5311	540.00	189	6010	540.00	249	6605	540.00	309	7211	540.00	369	7810	540.00	429	8307	540.00	489	6604	537.89	549	5702	518.82
10	4110	540.00	70	4608	540.00	130	5312	540.00	190	6011	540.00	250	6606	540.00	310	7212	540.00	370	7811	540.00	430	8308	540.00	490	4002	537.81	550	5512	517.83
11	4111	540.00	71	4609	540.00	131	5301	540.00	191	6012	540.00	251	6607	540.00	311	7201	540.00	371	7812	540.00	431	8309	540.00	491	6201	537.36	551	6603	517.62
12	4112	540.00	72	4710	540.00	132	5302	540.00	192	6001	540.00	252	6608	540.00	312	7202	540.00	372	7801	540.00	432	8410	540.00	492	8809	537.31	552	5803	517.31
13	4101	540.00	73	4711	540.00	133	5303	540.00	193	6005	540.00	253	6609	540.00	313	7203	540.00	373	7802	540.00	433	8411	540.00	493	7703	537.04	553	7402	517.30
14	4105	540.00	74	4712	540.00	134	5304	540.00	194	6006	540.00	254	6710	540.00	314	7204	540.00	374	7803	540.00	434	8412	540.00	494	7603	537.02	554	8912	517.00
15	4106	540.00	75	4701	540.00	135	5305	540.00	195	6007	540.00	255	6711	540.00	315	7205	540.00	375	7804	540.00	435	8401	540.00	495	5201	536.99	555	4503	516.50
16	4107	540.00	76	4704	540.00	136	5306	540.00	196	6008	540.00	256	6712	540.00	316	7206	540.00	376	7805	540.00	436	8402	540.00	496	8002	536.79	556	4803	515.66
17	4108	540.00	77	4705	540.00	137	5307	540.00	197	6009	540.00	257	6701	540.00	317	7207	540.00	377	7806	540.00	437	8403	540.00	497	4501	536.74	557	7503	514.62
18	4109	540.00	78	4706	540.00	138	5308	540.00	198	6110	540.00	258	6705	540.00	318	7208	540.00	378	7807	540.00	438	8404	540.00	498	7002	536.65	558	5203	514.47
19	4210	540.00	79	4707	540.00	139	5309	540.00	199	6105	540.00	259	6706	540.00	319	7209	540.00	379	7808	540.00	439	8405	540.00	499	7702	536.36	559	8202	514.26
20	4211	540.00	80	4708	540.00	140	5410	540.00	200	6106	540.00	260	6707	540.00	320	7310	540.00	380	7809	540.00	440	8406	540.00	500	4403	535.84	560	6003	511.83
21	4212	540.00	81	4709	540.00	141	5411	540.00	201	6107	540.00	261	6708	540.00	321	7311	540.00	381	7910	540.00	441	8407	540.00	501	6402	535.68	561	8303	511.20
22	4201	540.00	82	4810	540.00	142	5412	540.00	202	6108	540.00	262	6709	540.00	322	7312	540.00	382	7911	540.00	442	8408	540.00	502	6403	535.06	562	8901	510.82
23	4202	540.00	83	4811	540.00	143	5401	540.00	203	6109	540.00	263	6810	540.00	323	7301	540.00	383	7912	540.00	443	8409	540.00	503	8501	535.04	563	7403	510.42
24	4203	540.00	84	4812	540.00	144	5405	540.00	204	6210	540.00	264	6811	540.00	324	7304	540.00	384	7901	540.00	444	8510	540.00	504	5511	534.80	564	5703	510.33
25	4204	540.00	85	4801	540.00	145	5406	540.00	205	6211	540.00	265	6812	540.00	325	7305	540.00	385	7902	540.00	445	8511	540.00	505	8605	534.39	565	8204	509.47
26	4205	540.00	86	4805	540.00	146	5407	540.00	206	6212	540.00	266	6801	540.00	326	7306	540.00	386	7903	540.00	446	8512	540.00	506	8702	534.30	566	5602	508.62
27	4206	540.00	87	4806	540.00	147	5408	540.00	207	6206	540.00	267	6802	540.00	327	7307	540.00	387	7904	540.00	447	8504	540.00	507	7003	533.94	567	4902	507.30
28	4207	540.00	88	4807	540.00	148	5409	540.00	208	6207	540.00	268	6803	540.00	328	7308	540.00	388	7905	540.00	448	8505	540.00	508	5701	533.30	568	6101	506.31
29	4208	540.00	89	4808	540.00	149	5510	540.00	209	6208	540.00	269	6804	540.00	329	7309	540.00	389	7906	540.00	449	8506	540.00	509	7501	532.66	569	5903	504.64
30	4209	540.00	90	4809	540.00	150	5506	540.00	210	6209	540.00	270	6805	540.00	330	7410	540.00	390	7907	540.00	450	8507	540.00	510	5505	532.44	570	5603	504.47
31	4310	540.00	91	4910	540.00	151	5507	540.00	211	6310	540.00	271	6806	540.00	331	7411	540.00	391	7908	540.00	451	8508	540.00	511	6111	532.34	571	8203	502.47
32	4311	540.00	92	4911	540.00	152	5508	540.00	212	6311	540.00	272	6807	540.00	332	7412	540.00	392	7909	540.00	452	8509	540.00	512	8103	532.25	572	5904	501.40
33	4312	540.00	93	4905	540.00	153	5509	540.00	213	6312	540.00	273	6808	540.00	333	7404	540.00	393	8010	540.00	453	8610	540.00	513	5604	532.11	573	5501	499.95
34	4301	540.00	94	4906	540.00	154	5610	540.00	214	6301	540.00	274	6809	540.00	334	7405	540.00	394	8011	540.00	454	8611	540.00	514	7401	532.07	574	6103	499.07
35	4302	540.00	95	4907	540.00	155	5611	540.00	215	6302	540.00	275	6910	540.00	335	7406	540.00	395	8012	540.00	455	8612	540.00	515	6702	531.73	575	4903	498.61
36	4306	540.00	96	4908	540.00	156	5612	540.00	216	6303	540.00	276	6911	540.00	336	7407	540.00	396	8001	540.00	456	8601	540.00	516	4904	531.63	576	6205	497.83
37	4307	540.00	97	4909	540.00	157	5605	540.00	217	6304	540.00	277	6912	540.00	337	7408	540.00	397	8004	540.00	457	8602	540.00	517	5002	531.10	577	8902	497.56
38	4308	540.00	98	5010	540.00	158	5606	540.00	218	6305	540.00	278	6901	540.00	338	7409	540.00	398	8005	540.00	458	8606	540.00	518	8201	531.04	578	6102	492.89
39	4309	540.00	99	5011	540.00	159	5607	540.00	219	6306	540.00	279	6902	540.00	339	7510	540.00	399	8006	540.00	459	8607	540.00	519	8003	529.75	579	5504	486.38
40	4410	540.00	100	5012	540.00	160	5608	540.00	220	6307	540.00	280	6903	540.00	340	7511	540.00	400	8007	540.00	460	8608	540.00	520	5404	529.49	580	5502	484.26
41	4411	540.00	101	5001	540.00	161	5609	540.00	221	6308	540.00	281	6904	540.00	341	7512	540.00	401	8008	540.00	461	8609	540.00	521	4702	529.24	581	8304	482.96
42	4412	540.00	102	5004	540.00	162	5710	540.00	222	6309	540.00	282	6905	540.00	342	7504	540.00	402	8009	540.00	462	8710	540.00	522	5704	528.66	582	6704	482.22
43	4401	540.00	103	5005	540.00	163	5711	540.00	223	6410	540.00	283	6906	540.00	343	7505	540.00	403	8110	540.00	463	8711	540.00	523	7302	527.48	583	4304	480.97
44	4402	540.00	104	5006	540.00	164	5712	540.00	224	6411	540.00	284	6907	540.00	344	7506	540.00	404	8111	540.00	464	8712	540.00	524	4802	527.26	584	8907	480.59
45	4404	540.00	105	5007	540.00	165	5705	540.00	225	6412	540.00	285	6908	540.00	345	7507	540.00	405	8112	540.00	465	8701	540.00	525	6602	527.12	585	4104	477.06
46	4405	540.00	106	5008	540.00	166	5706	540.00	226	6401	540.00	286	6909	540.00	346	7508	540.00	406	8101	540.00	466	8706	540.00	526	6202	527.02	586	8904	476.73
47	4406	540.00	107	5009	540.00	167	5707	540.00	227	6404	540.00	287	7010	540.00	347	7509	540.00	407	8102	540.00	467	8707	540.00	527	4303	527.02	587	8703	473.40
48	4407	540.00	108	5110	540.00	168	5708	540.00	228	6405	540.00	288	7011	540.00	348	7610	540.00	408	8104	540.00	468	8708	540.00	528	5403	526.97	588	8903	473.07
49	4408	540.00	109	5111	540.00	169	5709	540.00	229	6406	540.00	289	7012	540.00	349	7611	540.00	409	8105	540.00	469	8709	540.00	529	8502	526.54	589	6203	472.84
50	4409	540.00	110	5112	540.00	170	5810	540.00	230	6407	540.00	290	7001	540.00	350	7612	540.00	410	8106	540.00	470	8810	540.00	530	6004	525.78	590	5503	472.34
51	4510	540.00	111	5101	540.00	171	5811	540.00	231	6408	540.00	291	7004	540.00	351	7601	540.00	411	8107	540.00	471	8811	540.00	531	8910	525.15	591	8603	472.19
52	4511	540.00	112	5102	540.00	172	5812	540.00	232	6409	540.00	292	7005	540.00	352	7602	540.00	412	8108	540.00	472	8812	540.00	532	5802	524.88	592	4003	460.67
53	4512	540.00	113	5103	540.00	173	5804	540.00	233	6510	540.00	293	7006	540.00	353	7604	540.00	413	8109	540.00	473	8801	540.00	533	5601	524.64	593	6703	458.44
54	4504	540.00	114	5104	540.00	174	5805	540.00	234	6511	540.00	294	7007	540.00	354	7605	540.00	414	8210	540.00	474	8802	540.00	534	6002	524.50	594	4004	456.96
55	4505	540.00	115	5105	540.00	175	5806	540.00	235	6512	540.00	295	7008	540.00	355	7606	540.00	415	8211	540.00	475	8803	540.00	535	8503	524.38	595	4103	455.50
56	4506	540.00	116	5106	540.00	176	5807	540.00	236	6501	540.00	296	7009	540.00	356	7607	540.00	416	8212	540.00	476	8804	540.00	536	7302	524.38	596	8604	447.54
57	4507	540.00	117	5107	540.00	177	5808	540.00	237	6502	540.00	297	7110	540.00	357	7608	540.00	417	8205	540.00	477	8805	540.00	537	4804	524.32	597	8704	444.70
58	4508	540.00	118	5108	540.00	178	5809	540.00	238	6503	540.00	298	7111	540.00	358	7609	540.00	418	8206	540.00	478	8806	540.00	538	8705	522.99	598	6204	438.76
59	4509	540.00	119	5109	540.00	179	5910	540.00	239	6504	540.00	299	7112	540.00	359	7710	540.00	419	8207	540.00	479	8807	540.00	539	4502	522.78	599	8909	239.85
60	4610	540.00	120	5210	540.00	180	5911	540.00	240	6505	540.00	300	7101	540.00	360	7711	540.00	420	8208	540.00	480	8808	540.00	540	4901	522.74	600	8908	197.95





Energy Generation of Yusufeli Project

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ﾀｲﾄﾙ :  OLTU RIVER OLUR PROJECT (MASA210)

ｻｲﾀﾞｲ ｽｲｲ       (HMAX)  :  1105.00
ｻｲﾃｲ  ｽｲｲ       (HMIN)  :  1077.00
ｷｼﾞｭﾝ ｼｭﾂｽｲｲ    (HNWL)  :  1095.67
ｷｼﾞｭﾝ ﾎｳｽｲｲ     (HTWL)  :   929.00
ｻｲﾀﾞｲ ﾎｳﾘｭｳﾘｮｳ (QMAXO) :    48.00
ｻｲｼｮｳ.ﾎｳﾘｭｳﾘｮｳ (QMINO) :    11.95

ｻｲﾀﾞｲ ﾁｮｽｲﾘｮｳ  (VMAXO) :     0.20000E+09
ｻｲﾃｲ  ﾁｮｽｲﾘｮｳ  (VMINO) :     0.31018E+00
ｻｲﾀﾞｲ ﾁｮｽｲﾘｮｳ  (SMAXO) :  2314.81
ｻｲﾃｲ  ﾁｮｽｲﾘｮｳ  (SMINO) :     0.00

ｽﾀｰﾄ ｶｲｼ       * 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 =   1.00

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  =  48.00
ｻｲﾃｲ  ﾎｳﾘｭｳﾘｮｳ* QMIN  =  11.95
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

ｴｳｺｳ ｽｲｲ ﾛｽ   * WZN   = 0.013
               * WZD   = 4.600
               * WZL   =9600.0
               * TZN   = 0.012
               * TZD   = 3.600
               * TZL   = 450.0
               * HLOSS =   12.00

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 )  0.87929  0.88600  1.00000  0.89500  1.06032  0.89500

ｽｲｲ ｸﾌﾞﾝ ｽｳ   * RANK  =  4
  1 -9999.00 -9999.00     0.0            0.3973667D+02 -0.4279639D+05
  2  1080.00   119.21     0.1447774D+01 -0.3074309D+04  0.1631689D+07
  3  1095.67  1303.39     0.3671791D+01 -0.7971996D+04  0.4328021D+07
  4  9999.00  9999.00     0.0            0.0            0.0

ｴﾘｱ ｸﾌﾞﾝ ｽｳ   * RARE  =  6
  1 -9999.00 -9999.00     0.0            0.1660000D+02 -0.1701300D+05
  2  1030.00    85.00     0.1290000D+01 -0.2618900D+04  0.1328991D+07
  3  1050.00  1371.00    -0.9000001D-01  0.3064000D+03 -0.2211240D+06
  4  1070.00  3683.00    -0.9550001D+00  0.2195450D+04 -0.1252069D+07
  5  1090.00  6536.00     0.3610000D+01 -0.7637001D+04  0.4041625D+07
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6 99999.00 99999.00    0.0          0.0          0.0
ｼﾞｮｳﾊﾂﾘｮｳ   * EM   = 67.70 13.00  0.0   0.0   0.0   6.70 57.80 96.90132.30171.00168.00129.20
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タイトル : OLTU RIVER OLUR リュウニュウリョウ データ

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	13.82	13.26	11.05	9.91	10.63	15.53	57.26	114.03	40.30	20.12	11.29	8.17
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
2	1941	12.48	20.94	12.74	11.03	12.05	17.85	44.90	146.86	74.95	27.04	13.54	11.06
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
3	1942	13.05	12.92	11.54	9.93	9.57	10.42	27.22	69.72	33.52	17.36	9.95	6.57
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
4	1943	8.80	10.50	9.15	8.48	8.98	17.03	40.79	121.54	51.20	25.40	13.56	11.01
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
5	1944	11.62	12.53	9.58	9.08	8.42	9.60	21.64	68.08	66.47	20.95	10.23	7.64
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
6	1945	8.87	9.70	8.76	8.36	8.26	10.14	26.98	85.66	97.97	33.84	23.76	15.39
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
7	1946	20.48	17.11	13.56	12.74	12.42	21.42	39.82	38.06	31.58	17.61	7.91	8.66
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
8	1947	9.51	14.33	10.40	9.13	8.63	8.68	30.85	83.31	90.94	22.59	13.21	13.82
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
9	1948	11.90	11.23	10.11	8.54	8.21	10.04	18.45	89.88	43.45	12.55	8.52	8.12
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
10	1949	10.07	9.27	8.24	7.65	8.06	12.84	40.54	89.18	50.48	19.87	10.44	7.88
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
11	1950	14.38	12.25	10.51	9.95	9.28	14.55	34.49	75.81	59.20	21.65	11.50	13.43
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
12	1951	22.35	16.44	13.37	11.85	12.64	13.52	56.54	92.46	65.25	29.86	15.27	12.10
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
13	1952	11.07	11.32	11.29	10.33	10.39	11.64	32.55	88.00	64.05	26.58	15.41	11.10
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
14	1953	10.56	11.30	10.21	9.69	10.00	14.24	32.55	99.73	93.12	57.29	21.18	14.93
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
15	1954	14.36	12.80	11.54	9.83	9.04	10.72	22.62	63.15	32.06	7.25	3.79	3.81
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
16	1955	6.74	7.28	8.19	7.44	9.31	11.01	27.46	49.79	53.87	24.00	12.53	10.55
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
17	1956	12.13	10.50	10.09	9.32	10.13	16.42	37.40	61.98	49.02	21.65	9.76	9.73
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
18	1957	11.34	12.73	10.75	9.79	9.38	11.43	21.89	45.57	46.12	18.63	9.67	9.92
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
19	1958	10.21	9.58	8.89	9.04	8.03	11.40	32.31	74.64	49.27	18.16	14.36	12.44
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
20	1959	14.71	15.27	12.01	11.05	11.84	14.48	44.18	76.75	43.21	27.28	17.22	12.63
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
21	1960	8.15	7.47	7.30	6.20	5.88	6.29	13.72	28.92	15.52	3.57	1.74	1.22
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
22	1961	3.55	4.68	5.59	4.61	4.71	9.39	25.52	49.79	26.98	12.15	5.14	4.15
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
23	1962	4.11	5.05	4.44	5.03	4.81	6.36	50.96	122.94	88.28	46.27	31.03	10.91
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
24	1963	17.24	15.27	10.54	8.26	7.23	11.66	49.02	101.13	72.52	20.27	7.82	7.18
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
25	1964	7.40	7.23	7.21	5.52	5.36	14.17	40.06	52.83	34.24	18.27	9.22	6.70
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
26	1965	12.67	9.19	8.43	8.59	8.75	10.42	40.79	73.00	23.34	7.84	4.72	5.97
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
27	1966	7.51	6.91	5.82	5.45	4.56	6.03	16.24	84.49	32.79	35.25	16.00	9.22
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
28	1967	9.91	9.92	9.39	8.21	7.63	14.87	126.80	137.95	76.64	24.93	12.39	10.33
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
29	1968	10.84	12.44	8.87	6.69	6.11	12.74	55.08	103.48	24.31	7.37	7.09	6.70
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)

30	1969	11.29	8.34	8.28	6.81	6.37	9.32	43.45	34.55	11.88	9.06	4.58	5.66
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
31	1970	6.55	5.97	4.61	4.49	3.59	7.46	20.48	65.03	31.33	5.66	13.94	4.22
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
32	1971	6.22	6.87	6.62	5.54	6.12	7.68	41.76	55.65	43.45	14.59	6.65	9.73
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
33	1972	10.42	9.92	7.84	7.46	8.86	9.48	28.91	58.46	43.21	14.76	4.23	5.51
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
34	1973	9.41	9.07	6.10	4.79	4.84	8.48	16.20	59.87	18.93	5.24	4.84	9.75
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
35	1974	4.82	5.19	6.22	5.82	4.63	7.04	27.46	32.44	20.56	7.37	3.24	4.85
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
36	1975	7.25	6.94	3.85	4.53	4.65	11.43	41.03	97.38	50.24	20.95	8.99	8.95
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
37	1976	12.34	11.37	10.46	7.65	8.93	11.60	38.45	77.98	28.55	9.88	5.20	7.71
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
38	1977	9.06	8.50	7.24	7.18	9.64	14.53	39.44	100.90	35.16	7.08	3.90	5.08
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
39	1978	7.08	7.78	7.40	7.08	8.09	9.92	38.12	61.10	45.69	18.07	5.11	4.85
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
40	1979	11.92	17.13	11.73	9.60	8.97	14.66	67.74	58.55	10.05	3.32	5.30	4.68
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
41	1980	6.57	6.46	6.06	5.65	5.76	7.53	25.39	49.31	69.05	8.52	5.65	5.51
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
42	1981	6.73	8.27	7.28	5.68	5.13	6.57	45.91	56.75	10.22	3.35	2.63	5.29
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
43	1982	6.12	5.83	5.53	5.00	5.00	6.16	12.46	30.50	14.74	2.88	1.50	2.50
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
44	1983	7.50	13.19	8.25	7.17	6.39	10.64	47.84	95.58	27.01	11.20	13.40	9.45
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
45	1984	8.59	9.68	8.21	7.13	7.85	9.74	53.63	43.31	10.03	5.34	2.60	5.94
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
46	1985	9.22	7.29	7.77	6.72	7.77	12.88	54.78	56.00	43.60	9.41	1.93	6.60
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
47	1986	11.87	12.31	8.03	6.91	10.66	9.74	50.15	130.30	30.59	7.50	5.60	6.83
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
48	1987	7.63	8.98	6.93	6.47	7.81	11.44	50.28	89.82	81.87	38.08	11.18	10.88
		(31)	(30)	(31)	(31)	(29)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
49	1988	13.78	10.77	8.63	7.08	6.30	15.74	51.11	15.90	4.32	2.19	1.89	3.54
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)
50	1989	8.88	8.47	8.55	5.44	5.48	13.99	58.44	86.65	24.70	10.63	4.37	5.17
		(31)	(30)	(31)	(31)	(28)	(31)	(30)	(31)	(30)	(31)	(31)	(30)

COEFFW= 0.4881345E-02 COEFFT= 0.7206392E-03 HLOSS= 0.1200000E+02

HEQMAX= 0.1546699E+03 PTMAX = 0.6511723E+05 PMAX= 0.6500000E+02

SHT = 0.1666699E+03 SHL = 0.1200000E+02 SHE = 0.1546699E+03 SETG = 0.8950000E+00 PINST= 0.6511722E+02

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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
ﾁﾖｽｲ ｸﾌﾞﾝｽｳ     * IMAX  =  49
ﾁﾖｽｲ ｸﾌﾞﾝﾘﾖｳ   * DELTS =   50.0 (TD)
ﾎｳﾘｭｳ ｸﾌﾞﾝｽｳ   * LMAX  =  38
ﾎｳﾘｭｳ ｸﾌﾞﾝﾘﾖｳ * DELTQ =    1.0  (TD)
ｻｲﾃｲ ﾎｳﾘｭｳﾘﾖｳ * QMINO =  11.95 (TD)

ﾁﾖｽｲ ﾓｸﾋﾖｳ ｽｲｲ * HLAST =1105.00 (M)     * SLAST =    2314.8 (TD)
      ｽﾀｰﾄ ｽｲｲ * HSTAT =1105.00 (M)     * SSTRT =    2314.8 (TD)


ﾁﾖｽｲ ｸﾌﾞﾝ & ｽｲｲ  * IMAX =  49  (TD,M)
  1       0.0(1077.0 )  2      50.0(1077.0 )  3     100.0(1077.0 )  4     150.0(1080.6 )  5     200.0(1081.5 )
  6     250.0(1082.3 )  7     300.0(1083.1 )  8     350.0(1083.9 )  9     400.0(1084.7 ) 10     450.0(1085.4 )
 11     500.0(1086.2 ) 12     550.0(1086.9 ) 13     600.0(1087.5 ) 14     650.0(1088.2 ) 15     700.0(1088.8 )
 16     750.0(1089.5 ) 17     800.0(1090.1 ) 18     850.0(1090.7 ) 19     900.0(1091.3 ) 20     950.0(1091.9 )
 21    1000.0(1092.4 ) 22    1050.0(1093.0 ) 23    1100.0(1093.5 ) 24    1150.0(1094.1 ) 25    1200.0(1094.6 )
 26    1250.0(1095.1 ) 27    1300.0(1095.6 ) 28    1350.0(1096.3 ) 29    1400.0(1096.9 ) 30    1450.0(1097.5 )
 31    1500.0(1098.0 ) 32    1550.0(1098.6 ) 33    1600.0(1099.1 ) 34    1650.0(1099.6 ) 35    1700.0(1100.1 )
 36    1750.0(1100.5 ) 37    1800.0(1101.0 ) 38    1850.0(1101.4 ) 39    1900.0(1101.8 ) 40    1950.0(1102.2 )
 41    2000.0(1102.7 ) 42    2050.0(1103.0 ) 43    2100.0(1103.4 ) 44    2150.0(1103.8 ) 45    2200.0(1104.2 )
 46    2250.0(1104.5 ) 47    2300.0(1104.9 ) 48    2314.8(1105.0 ) 49    2314.8(1105.0 )


ﾎｳﾘｭｳ ｸﾌﾞﾝ  * LMAX =  38  (TD)
  1  11.9   2  12.0   3  13.0   4  14.0   5  15.0   6  16.0   7  17.0   8  18.0   9  19.0  10  20.0
 11  21.0  12  22.0  13  23.0  14  24.0  15  25.0  16  26.0  17  27.0  18  28.0  19  29.0  20  30.0
 21  31.0  22  32.0  23  33.0  24  34.0  25  35.0  26  36.0  27  37.0  28  38.0  29  39.0  30  40.0
 31  41.0  32  42.0  33  43.0  34  44.0  35  45.0  36  46.0  37  47.0  38  48.0
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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	1104.9	2300.9	428.5(	13.82)	434.0(	14.00)	0.0	65.00	14.90	7.4	0.895	45.44	45.44	12.00	1104.95
2		11	30	1104.9	2307.3	397.9(	13.26)	390.0(	13.00)	0.0	65.00	13.40	6.9	0.895	45.40	45.40	12.00	1104.92
3		12	31	1104.7	2279.4	342.6(	11.05)	370.4(	11.95)	0.0	65.00	12.75	6.3	0.895	45.31	45.31	12.00	1104.85
4		1	31	1101.9	1904.5	307.1(	9.91)	682.0(	22.00)	0.0	65.00	23.27	11.5	0.895	45.72	45.72	12.00	1103.31
5		2	28	1091.8	942.0	297.6(	10.63)	1260.0(	45.00)	0.0	65.00	41.17	22.6	0.895	47.74	47.74	12.00	1096.82
6		3	31	1077.0	0.0	481.5(	15.53)	1423.0(	45.90)	0.0	57.77	42.69	23.8	0.890	46.22	46.22	12.00	1084.38
7		4	30	1083.9	350.2	1717.8(	57.26)	1364.5(	45.48)	0.0	55.30	39.73	23.9	0.888	45.58	45.58	12.00	1080.47
8		5	31	1105.0	2314.8	3535.0(	114.03)	1482.2(	47.81)	81.8	64.32	47.85	24.0	0.894	47.81	47.81	12.00	1094.47
9		6	30	1104.9	2307.5	1209.0(	40.30)	1200.0(	40.00)	0.0	65.00	41.27	21.2	0.895	45.36	45.36	12.00	1104.97
10		7	31	1104.8	2290.4	623.8(	20.12)	620.0(	20.00)	0.0	65.00	21.31	10.6	0.895	45.38	45.38	12.00	1104.89
11		8	31	1104.5	2247.7	349.9(	11.29)	372.0(	12.00)	0.0	65.00	12.77	6.3	0.895	45.44	45.44	12.00	1104.68
12		9	30	1103.6	2117.1	245.1(	8.17)	360.0(	12.00)	0.0	65.00	12.36	6.3	0.895	45.45	45.45	12.00	1104.04
						828.0(	27.11)	829.8(	27.43)	6.8	63.53	26.96		0.894	1396.	1396.	12.00	1099.39
13	1941	10	31	1103.6	2124.1	386.9(	12.48)	372.0(	12.00)	0.0	65.00	12.73	6.3	0.895	45.58	45.58	12.00	1103.59
14		11	30	1104.9	2300.8	628.2(	20.94)	450.0(	15.00)	0.0	65.00	15.46	7.9	0.895	45.39	45.39	12.00	1104.26
15		12	31	1104.8	2292.8	395.0(	12.74)	403.0(	13.00)	0.0	65.00	13.90	6.9	0.895	45.22	45.22	12.00	1104.87
16		1	31	1101.0	1797.7	341.9(	11.03)	837.0(	27.00)	0.0	65.00	28.53	14.2	0.895	45.77	45.77	12.00	1102.90
17		2	28	1090.7	847.2	337.5(	12.05)	1288.0(	46.00)	0.0	65.00	41.97	23.1	0.895	47.87	47.87	12.00	1095.81
18		3	31	1077.0	0.0	553.5(	17.85)	1400.2(	45.17)	0.0	57.42	41.83	23.5	0.889	46.13	46.13	12.00	1083.83
19		4	30	1077.0	0.0	1347.1(	44.90)	1344.0(	44.80)	0.0	53.15	38.09	23.9	0.886	45.01	45.01	12.00	1077.00
20		5	31	1105.0	2314.8	4552.5(	146.86)	1465.4(	47.27)	767.1	62.03	46.15	24.0	0.893	47.27	47.27	12.00	1091.00
21		6	30	1105.0	2314.8	2248.4(	74.95)	1355.6(	45.19)	876.5	65.00	46.80	24.0	0.895	45.19	45.19	12.00	1105.00
22		7	31	1104.9	2295.1	838.3(	27.04)	837.0(	27.00)	0.0	65.00	28.73	14.3	0.895	45.45	45.45	12.00	1104.93
23		8	31	1104.8	2291.1	419.7(	13.54)	403.0(	13.00)	0.0	65.00	13.85	6.9	0.895	45.39	45.39	12.00	1104.85
24		9	30	1104.5	2248.5	331.7(	11.06)	358.5(	11.95)	0.0	65.00	12.35	6.3	0.895	45.29	45.29	12.00	1104.68
						1031.7(	33.79)	876.1(	28.95)	137.0	63.13	28.37		0.894	1393.	1393.	12.00	1098.56
25	1942	10	31	1104.7	2274.3	404.4(	13.05)	370.4(	11.95)	0.0	65.00	12.76	6.3	0.895	45.29	45.29	12.00	1104.62
26		11	30	1104.9	2300.4	387.7(	12.92)	360.0(	12.00)	0.0	65.00	12.41	6.4	0.895	45.24	45.24	12.00	1104.81
27		12	31	1104.8	2287.8	357.9(	11.54)	370.4(	11.95)	0.0	65.00	12.78	6.3	0.895	45.23	45.23	12.00	1104.85
28		1	31	1104.3	2223.6	307.8(	9.93)	372.0(	12.00)	0.0	65.00	12.81	6.4	0.895	45.30	45.30	12.00	1104.58
29		2	28	1103.8	2155.4	267.8(	9.57)	336.0(	12.00)	0.0	65.00	11.54	6.3	0.895	45.44	45.44	12.00	1104.10
30		3	31	1103.5	2105.5	322.9(	10.42)	372.0(	12.00)	0.0	65.00	12.74	6.3	0.895	45.56	45.56	12.00	1103.66
31		4	30	1098.6	1552.9	816.6(	27.22)	1362.4(	45.41)	0.0	65.00	45.90	23.5	0.895	46.31	46.31	12.00	1101.04
32		5	31	1105.0	2309.5	2161.2(	69.72)	1395.0(	45.00)	0.0	65.00	47.04	23.3	0.895	46.26	46.26	12.00	1101.79
33		6	30	1105.0	2308.8	1005.6(	33.52)	990.0(	33.00)	0.0	65.00	34.08	17.5	0.895	45.32	45.32	12.00	1104.96
34		7	31	1104.9	2298.9	538.2(	17.36)	527.0(	17.00)	0.0	65.00	18.14	9.0	0.895	45.32	45.32	12.00	1104.92
35		8	31	1104.3	2216.3	308.4(	9.95)	370.4(	11.95)	0.0	65.00	12.75	6.3	0.895	45.32	45.32	12.00	1104.59
36		9	30	1103.0	2039.5	197.2(	6.57)	358.5(	11.95)	0.0	65.00	12.27	6.3	0.895	45.57	45.57	12.00	1103.63
						589.6(	19.31)	598.7(	19.68)	0.0	65.00	20.43		0.895	1384.	1384.	12.00	1103.96
37	1943	10	31	1102.1	1934.1	272.9(	8.80)	370.4(	11.95)	0.0	65.00	12.60	6.3	0.895	45.88	45.88	12.00	1102.54
38		11	30	1101.7	1889.2	315.0(	10.50)	358.5(	11.95)	0.0	65.00	12.14	6.2	0.895	46.05	46.05	12.00	1101.93
39		12	31	1101.0	1800.9	283.7(	9.15)	372.0(	12.00)	0.0	65.00	12.56	6.2	0.895	46.21	46.21	12.00	1101.36
40		1	31	1100.0	1691.6	262.7(	8.48)	372.0(	12.00)	0.0	65.00	12.49	6.2	0.895	46.47	46.47	12.00	1100.48
41		2	29	1092.7	1024.1	260.4(	8.98)	928.0(	32.00)	0.0	65.00	30.35	16.1	0.895	47.71	47.71	12.00	1096.34
42		3	31	1080.5	146.8	528.0(	17.03)	1404.7(	45.31)	0.0	59.13	42.82	23.4	0.891	46.56	46.56	12.00	1086.61
43		4	30	1077.0	17.0	1223.6(	40.79)	1350.0(	45.00)	0.0	54.24	38.79	23.8	0.887	45.30	45.30	12.00	1078.76
44		5	31	1105.0	2314.3	3767.6(	121.54)	1465.0(	47.26)	0.0	62.03	46.14	24.0	0.893	47.27	47.27	12.00	1091.00
45		6	30	1105.0	2314.8	1536.1(	51.20)	1360.1(	45.34)	159.2	65.00	46.80	24.0	0.895	45.34	45.34	12.00	1105.00
46		7	31	1104.9	2306.3	787.5(	25.40)	775.0(	25.00)	0.0	65.00	26.67	13.2	0.895	45.34	45.34	12.00	1104.97
47		8	31	1104.9	2303.0	420.4(	13.56)	403.0(	13.00)	0.0	65.00	13.86	6.9	0.895	45.35	45.35	12.00	1104.93
48		9	30	1104.6	2258.9	330.3(	11.01)	358.5(	11.95)	0.0	65.00	12.36	6.3	0.895	45.25	45.25	12.00	1104.76
						832.4(	27.20)	793.1(	26.06)	13.3	63.37	25.63		0.894	1405.	1405.	12.00	1098.22

*** 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	1104.5	2240.3	360.1	(11.62)	370.4	(11.95)	0.0	65.00	12.75	6.3	0.895	45.32	45.32	12.00	1104.54
50		11	30	1104.6	2254.8	376.0	(12.53)	360.0	(12.00)	0.0	65.00	12.39	6.4	0.895	45.32	45.32	12.00	1104.52
51		12	31	1104.0	2181.2	296.9	(9.58)	370.4	(11.95)	0.0	65.00	12.73	6.3	0.895	45.38	45.38	12.00	1104.31
52		1	31	1103.4	2090.8	281.6	(9.08)	372.0	(12.00)	0.0	65.00	12.74	6.3	0.895	45.55	45.55	12.00	1103.70
53		2	28	1102.6	1992.0	235.8	(8.42)	334.6	(11.95)	0.0	65.00	11.41	6.3	0.895	45.75	45.75	12.00	1102.97
54		3	31	1100.6	1761.8	297.6	(9.60)	527.0	(17.00)	0.0	65.00	17.82	8.8	0.895	46.14	46.14	12.00	1101.61
55		4	30	1093.0	1054.9	649.3	(21.64)	1350.0	(45.00)	0.0	65.00	44.29	22.7	0.895	47.56	47.56	12.00	1096.84
56		5	31	1100.1	1700.4	2110.4	(68.08)	1457.0	(47.00)	0.0	65.00	47.45	23.5	0.895	47.90	47.90	12.00	1096.55
57		6	30	1104.9	2300.6	1994.1	(66.47)	1380.0	(46.00)	0.0	65.00	46.73	24.0	0.895	46.07	46.07	12.00	1102.48
58		7	31	1105.0	2309.0	649.3	(20.95)	620.0	(20.00)	0.0	65.00	21.33	10.6	0.895	45.34	45.34	12.00	1104.93
59		8	31	1104.4	2235.1	317.2	(10.23)	370.4	(11.95)	0.0	65.00	12.76	6.3	0.895	45.31	45.31	12.00	1104.70
60		9	30	1103.4	2090.2	229.3	(7.64)	358.5	(11.95)	0.0	65.00	12.29	6.3	0.895	45.49	45.49	12.00	1103.89
						649.8	(21.32)	655.9	(21.56)	0.0	65.00	22.06		0.895	1397.	1397.	12.00	1102.59
61	1945	10	31	1102.5	1986.9	275.0	(8.87)	370.4	(11.95)	0.0	65.00	12.63	6.3	0.895	45.76	45.76	12.00	1102.95
62		11	30	1102.0	1917.9	291.0	(9.70)	358.5	(11.95)	0.0	65.00	12.17	6.2	0.895	45.95	45.95	12.00	1102.26
63		12	31	1101.1	1817.3	271.4	(8.76)	372.0	(12.00)	0.0	65.00	12.57	6.2	0.895	46.16	46.16	12.00	1101.55
64		1	31	1100.1	1704.3	259.0	(8.36)	372.0	(12.00)	0.0	65.00	12.50	6.2	0.895	46.43	46.43	12.00	1100.61
65		2	28	1099.1	1599.7	231.4	(8.26)	336.0	(12.00)	0.0	65.00	11.22	6.2	0.895	46.73	46.73	12.00	1099.60
66		3	31	1086.8	549.2	314.2	(10.14)	1364.0	(44.00)	0.0	63.33	43.57	22.2	0.894	47.58	47.58	12.00	1092.97
67		4	30	1077.0	0.0	809.3	(26.98)	1354.5	(45.15)	0.0	56.21	39.88	23.7	0.888	45.82	45.82	12.00	1081.92
68		5	31	1094.7	1211.4	2655.4	(85.66)	1438.7	(46.41)	0.0	58.71	43.64	24.0	0.890	46.45	46.45	12.00	1085.86
69		6	30	1105.0	2314.8	2939.0	(97.97)	1399.5	(46.65)	424.6	65.00	46.80	24.0	0.895	46.65	46.65	12.00	1099.86
70		7	31	1104.8	2288.9	1049.2	(33.84)	1054.0	(34.00)	0.0	65.00	36.15	17.9	0.895	45.48	45.48	12.00	1104.91
71		8	31	1104.8	2291.9	736.6	(23.76)	713.0	(23.00)	0.0	65.00	24.49	12.2	0.895	45.42	45.42	12.00	1104.83
72		9	30	1104.8	2287.9	461.8	(15.39)	450.0	(15.00)	0.0	65.00	15.47	7.9	0.895	45.37	45.37	12.00	1104.82
						857.8	(28.14)	798.6	(26.18)	35.4	63.60	25.92		0.894	1404.	1404.	12.00	1098.51
73	1946	10	31	1104.9	2294.5	634.8	(20.48)	620.0	(20.00)	0.0	65.00	21.29	10.6	0.895	45.43	45.43	12.00	1104.83
74		11	30	1104.9	2296.3	513.4	(17.11)	510.0	(17.00)	0.0	65.00	17.51	9.0	0.895	45.43	45.43	12.00	1104.86
75		12	31	1105.0	2313.7	420.4	(13.56)	403.0	(13.00)	0.0	65.00	13.86	6.9	0.895	45.37	45.37	12.00	1104.93
76		1	31	1104.9	2305.7	395.0	(12.74)	403.0	(13.00)	0.0	65.00	13.87	6.9	0.895	45.32	45.32	12.00	1104.96
77		2	28	1104.8	2289.4	347.7	(12.42)	364.0	(13.00)	0.0	65.00	12.53	6.9	0.895	45.30	45.30	12.00	1104.88
78		3	31	1104.9	2301.5	663.9	(21.42)	651.0	(21.00)	0.0	65.00	22.37	11.1	0.895	45.39	45.39	12.00	1104.86
79		4	30	1104.8	2288.9	1194.6	(39.82)	1200.0	(40.00)	0.0	65.00	41.15	21.1	0.895	45.49	45.49	12.00	1104.86
80		5	31	1105.0	2310.0	1180.0	(38.06)	1147.0	(37.00)	0.0	65.00	39.34	19.5	0.895	45.48	45.48	12.00	1104.89
81		6	30	1105.0	2311.2	947.5	(31.58)	930.0	(31.00)	0.0	65.00	31.96	16.4	0.895	45.40	45.40	12.00	1104.97
82		7	31	1105.0	2309.2	546.1	(17.61)	527.0	(17.00)	0.0	65.00	18.12	9.0	0.895	45.37	45.37	12.00	1104.97
83		8	31	1103.9	2161.7	245.1	(7.91)	372.0	(12.00)	0.0	65.00	12.78	6.3	0.895	45.40	45.40	12.00	1104.43
84		9	30	1103.0	2047.6	259.7	(8.66)	358.5	(11.95)	0.0	65.00	12.26	6.3	0.895	45.62	45.62	12.00	1103.46
						612.3	(20.11)	623.8	(20.50)	0.0	65.00	21.42		0.895	1381.	1381.	12.00	1104.74
85	1947	10	31	1102.3	1962.4	294.7	(9.51)	372.0	(12.00)	0.0	65.00	12.66	6.3	0.895	45.83	45.83	12.00	1102.69
86		11	30	1102.9	2030.8	429.9	(14.33)	360.0	(12.00)	0.0	65.00	12.25	6.3	0.895	45.85	45.85	12.00	1102.62
87		12	31	1102.5	1982.7	322.3	(10.40)	370.4	(11.95)	0.0	65.00	12.61	6.3	0.895	45.83	45.83	12.00	1102.70
88		1	31	1101.8	1893.8	283.1	(9.13)	372.0	(12.00)	0.0	65.00	12.62	6.3	0.895	45.99	45.99	12.00	1102.15
89		2	29	1099.0	1593.0	250.2	(8.63)	551.0	(19.00)	0.0	65.00	18.49	9.8	0.895	46.49	46.49	12.00	1100.40
90		3	31	1084.6	393.0	269.2	(8.68)	1468.6	(47.37)	0.0	62.56	46.52	24.0	0.893	47.40	47.40	12.00	1091.81
91		4	30	1077.0	0.0	925.6	(30.85)	1314.8	(43.83)	0.0	55.51	38.38	23.0	0.888	45.63	45.63	12.00	1080.80
92		5	31	1094.0	1140.7	2582.8	(83.31)	1436.8	(46.35)	0.0	58.47	43.46	24.0	0.890	46.39	46.39	12.00	1085.49
93		6	30	1105.0	2314.8	2728.1	(90.94)	1402.8	(46.76)	140.0	65.00	46.80	24.0	0.895	46.76	46.76	12.00	1099.49
94		7	31	1105.0	2312.0	700.2	(22.59)	682.0	(22.00)	0.0	65.00	23.43	11.6	0.895	45.41	45.41	12.00	1104.99
95		8	31	1104.9	2297.8	409.5	(13.21)	403.0	(13.00)	0.0	65.00	13.83	6.9	0.895	45.44	45.44	12.00	1104.93
96		9	30	1104.9	2306.5	414.6	(13.82)	390.0	(13.00)	0.0	65.00	13.41	6.9	0.895	45.38	45.38	12.00	1104.91
						800.8	(26.28)	760.3	(24.94)	11.7	63.46	24.54		0.894	1404.	1404.	12.00	1098.58

*** 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	1104.9	2296.5	368.7(	11.90)	370.4(	11.95)	0.0	65.00	12.77	6.3	0.895	45.26	45.26	12.00	1104.91
98		11	30	1104.7	2271.7	336.8(	11.23)	360.0(	12.00)	0.0	65.00	12.41	6.4	0.895	45.25	45.25	12.00	1104.78
99		12	31	1104.3	2213.3	313.5(	10.11)	372.0(	12.00)	0.0	65.00	12.80	6.4	0.895	45.33	45.33	12.00	1104.49
100		1	31	1103.5	2106.1	264.8(	8.54)	372.0(	12.00)	0.0	65.00	12.75	6.3	0.895	45.50	45.50	12.00	1103.88
101		2	28	1102.7	2001.5	230.0(	8.21)	334.6(	11.95)	0.0	65.00	11.42	6.3	0.895	45.73	45.73	12.00	1103.07
102		3	31	1101.4	1847.0	311.3(	10.04)	465.0(	15.00)	0.0	65.00	15.76	7.8	0.895	46.02	46.02	12.00	1102.02
103		4	30	1092.2	984.2	553.5(	18.45)	1410.0(	47.00)	0.0	65.00	46.25	23.7	0.895	47.56	47.56	12.00	1096.82
104		5	31	1104.9	2305.8	2786.3(	89.88)	1457.0(	47.00)	0.0	65.00	48.30	24.0	0.895	47.06	47.06	12.00	1098.59
105		6	30	1104.9	2303.0	1303.5(	43.45)	1290.0(	43.00)	0.0	65.00	44.29	22.7	0.895	45.44	45.44	12.00	1104.93
106		7	31	1104.9	2300.7	389.1(	12.55)	370.4(	11.95)	0.0	65.00	12.73	6.3	0.895	45.39	45.39	12.00	1104.91
107		8	31	1104.0	2172.2	264.1(	8.52)	372.0(	12.00)	0.0	65.00	12.80	6.4	0.895	45.34	45.34	12.00	1104.44
108		9	30	1103.0	2040.5	243.7(	8.12)	360.0(	12.00)	0.0	65.00	12.31	6.3	0.895	45.61	45.61	12.00	1103.47
						613.8(	20.08)	627.8(	20.65)	0.0	65.00	21.22		0.895	1393.	1393.	12.00	1103.02
109	1949	10	31	1102.4	1974.4	312.2(	10.07)	370.4(	11.95)	0.0	65.00	12.61	6.3	0.895	45.83	45.83	12.00	1102.71
110		11	30	1101.8	1891.0	278.0(	9.27)	360.0(	12.00)	0.0	65.00	12.21	6.3	0.895	46.00	46.00	12.00	1102.10
111		12	31	1100.8	1775.8	255.3(	8.24)	370.4(	11.95)	0.0	65.00	12.50	6.2	0.895	46.24	46.24	12.00	1101.26
112		1	31	1099.5	1641.1	237.3(	7.65)	372.0(	12.00)	0.0	65.00	12.46	6.2	0.895	46.57	46.57	12.00	1100.13
113		2	28	1098.4	1532.1	225.6(	8.06)	334.6(	11.95)	0.0	65.00	11.12	6.1	0.895	46.92	46.92	12.00	1098.94
114		3	31	1092.8	1030.3	397.9(	12.84)	899.0(	29.00)	0.0	65.00	29.23	14.5	0.895	47.99	47.99	12.00	1095.58
115		4	30	1090.5	832.0	1216.3(	40.54)	1410.0(	47.00)	0.0	62.44	44.61	23.8	0.893	47.37	47.37	12.00	1091.62
116		5	31	1103.7	2131.6	2764.6(	89.18)	1457.7(	47.02)	0.0	65.00	47.89	23.8	0.895	47.48	47.48	12.00	1097.07
117		6	30	1105.0	2310.3	1514.4(	50.48)	1320.0(	44.00)	0.0	65.00	45.16	23.2	0.895	45.60	45.60	12.00	1104.32
118		7	31	1105.0	2314.8	616.0(	19.87)	589.0(	19.00)	1.5	65.00	20.22	10.0	0.895	45.44	45.44	12.00	1104.98
119		8	31	1104.5	2247.4	323.7(	10.44)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.35	45.35	12.00	1104.76
120		9	30	1103.5	2109.7	236.5(	7.88)	358.5(	11.95)	0.0	65.00	12.30	6.3	0.895	45.46	45.46	12.00	1104.01
						698.1(	22.88)	684.3(	22.48)	0.1	64.79	22.75		0.895	1410.	1410.	12.00	1100.62
121	1950	10	31	1104.0	2177.1	445.8(	14.38)	370.4(	11.95)	0.0	65.00	12.69	6.3	0.895	45.53	45.53	12.00	1103.76
122		11	30	1104.1	2184.4	367.4(	12.25)	358.5(	11.95)	0.0	65.00	12.30	6.3	0.895	45.45	45.45	12.00	1104.04
123		12	31	1103.7	2139.9	325.9(	10.51)	370.4(	11.95)	0.0	65.00	12.70	6.3	0.895	45.49	45.49	12.00	1103.90
124		1	31	1103.2	2076.4	308.4(	9.95)	372.0(	12.00)	0.0	65.00	12.72	6.3	0.895	45.61	45.61	12.00	1103.49
125		2	28	1102.7	2000.1	259.7(	9.28)	336.0(	12.00)	0.0	65.00	11.45	6.3	0.895	45.76	45.76	12.00	1102.95
126		3	31	1096.9	1396.2	450.9(	14.55)	1054.0(	34.00)	0.0	65.00	35.22	17.5	0.895	46.68	46.68	12.00	1099.75
127		4	30	1092.3	992.1	1034.6(	34.49)	1433.4(	47.78)	0.0	64.20	46.22	24.0	0.894	47.79	47.79	12.00	1094.60
128		5	31	1101.6	1877.5	2350.2(	75.81)	1457.0(	47.00)	0.0	65.00	47.69	23.7	0.895	47.66	47.66	12.00	1096.99
129		6	30	1104.8	2290.0	1776.0(	59.20)	1349.0(	44.97)	0.0	65.00	45.89	23.5	0.895	45.86	45.86	12.00	1103.24
130		7	31	1104.8	2289.2	671.2(	21.65)	651.0(	21.00)	0.0	65.00	22.39	11.1	0.895	45.37	45.37	12.00	1104.82
131		8	31	1104.6	2253.0	356.4(	11.50)	372.0(	12.00)	0.0	65.00	12.81	6.4	0.895	45.29	45.29	12.00	1104.69
132		9	30	1104.8	2281.9	403.0(	13.43)	358.5(	11.95)	0.0	65.00	12.35	6.3	0.895	45.28	45.28	12.00	1104.66
						729.1(	23.92)	706.9(	23.21)	0.0	64.93	23.70		0.895	1399.	1399.	12.00	1102.24
133	1951	10	31	1104.8	2284.5	692.9(	22.35)	682.0(	22.00)	0.0	65.00	23.51	11.7	0.895	45.26	45.26	12.00	1104.78
134		11	30	1104.9	2296.0	493.1(	16.44)	480.0(	16.00)	0.0	65.00	16.45	8.4	0.895	45.51	45.51	12.00	1104.83
135		12	31	1104.9	2307.6	414.6(	13.37)	403.0(	13.00)	0.0	65.00	13.83	6.9	0.895	45.46	45.46	12.00	1104.91
136		1	31	1102.3	1961.9	367.4(	11.85)	713.0(	23.00)	0.0	65.00	24.32	12.1	0.895	45.73	45.73	12.00	1103.65
137		2	29	1092.4	994.5	366.6(	12.64)	1334.0(	46.00)	0.0	65.00	43.79	23.2	0.895	47.53	47.53	12.00	1097.35
138		3	31	1077.0	0.0	419.0(	13.52)	1412.9(	45.58)	0.0	57.63	42.32	23.7	0.889	46.18	46.18	12.00	1084.68
139		4	30	1083.8	342.9	1696.1(	56.54)	1350.0(	45.00)	0.0	55.27	39.29	23.7	0.888	45.57	45.57	12.00	1080.41
140		5	31	1100.5	1746.0	2866.3(	92.46)	1457.0(	47.00)	0.0	62.79	46.27	23.8	0.893	47.45	47.45	12.00	1092.16
141		6	30	1105.0	2309.5	1957.6(	65.25)	1380.0(	46.00)	0.0	65.00	46.75	24.0	0.895	46.05	46.05	12.00	1102.73
142		7	31	1105.0	2314.8	925.6(	29.86)	899.0(	29.00)	0.3	65.00	30.92	15.3	0.895	45.36	45.36	12.00	1104.98
143		8	31	1104.9	2302.5	473.4(	15.27)	465.0(	15.00)	0.0	65.00	16.00	7.9	0.895	45.34	45.34	12.00	1104.96
144		9	30	1104.8	2289.6	363.0(	12.10)	360.0(	12.00)	0.0	65.00	12.41	6.4	0.895	45.25	45.25	12.00	1104.87
						919.6(	30.14)	911.3(	29.96)	0.0	63.39	29.66		0.894	1399.	1399.	12.00	1099.19

*** OPTIMAL SCHEDULE ***

Olur 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	1104.6	2252.6	343.3(	11.07)	372.0(	12.00)	0.0	65.00	12.82	6.4	0.895	45.27	45.27	12.00	1104.69
146		11	30	1104.4	2232.2	339.7(	11.32)	358.5(	11.95)	0.0	65.00	12.34	6.3	0.895	45.33	45.33	12.00	1104.49
147		12	31	1104.3	2211.7	349.9(	11.29)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.37	45.37	12.00	1104.34
148		1	31	1103.9	2159.8	320.1(	10.33)	372.0(	12.00)	0.0	65.00	12.77	6.3	0.895	45.44	45.44	12.00	1104.07
149		2	28	1102.7	2002.8	291.0(	10.39)	448.0(	16.00)	0.0	65.00	15.30	8.4	0.895	45.67	45.67	12.00	1103.28
150		3	31	1091.3	903.0	360.9(	11.64)	1459.9(	47.09)	0.0	65.00	47.94	23.8	0.895	47.51	47.51	12.00	1096.99
151		4	30	1086.1	498.1	976.5(	32.55)	1376.9(	45.90)	0.0	60.55	42.66	23.5	0.892	46.91	46.91	12.00	1088.73
152		5	31	1100.5	1743.4	2728.1(	88.00)	1476.3(	47.62)	0.0	63.55	47.27	24.0	0.894	47.63	47.63	12.00	1093.30
153		6	30	1104.9	2300.8	1921.4(	64.05)	1350.0(	45.00)	0.0	65.00	45.75	23.5	0.895	46.03	46.03	12.00	1102.68
154		7	31	1104.9	2297.6	823.8(	26.58)	806.0(	26.00)	0.0	65.00	27.73	13.8	0.895	45.34	45.34	12.00	1104.89
155		8	31	1104.8	2289.8	477.8(	15.41)	465.0(	15.00)	0.0	65.00	15.99	7.9	0.895	45.38	45.38	12.00	1104.85
156		9	30	1104.5	2247.1	333.1(	11.10)	360.0(	12.00)	0.0	65.00	12.39	6.4	0.895	45.33	45.33	12.00	1104.67
						772.1(	25.31)	767.9(	25.21)	0.0	64.51	25.47		0.895	1397.	1397.	12.00	1101.41
157	1953	10	31	1104.1	2195.7	327.3(	10.56)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.37	45.37	12.00	1104.33
158		11	30	1104.0	2173.2	339.0(	11.30)	360.0(	12.00)	0.0	65.00	12.36	6.3	0.895	45.45	45.45	12.00	1104.06
159		12	31	1103.6	2117.6	316.4(	10.21)	372.0(	12.00)	0.0	65.00	12.75	6.3	0.895	45.53	45.53	12.00	1103.77
160		1	31	1103.0	2046.1	300.5(	9.69)	372.0(	12.00)	0.0	65.00	12.71	6.3	0.895	45.66	45.66	12.00	1103.29
161		2	28	1096.2	1346.1	280.1(	10.00)	980.0(	35.00)	0.0	65.00	32.72	18.0	0.895	46.72	46.72	12.00	1099.62
162		3	31	1083.6	330.0	441.4(	14.24)	1457.0(	47.00)	0.0	61.33	45.54	23.9	0.892	47.10	47.10	12.00	1089.93
163		4	30	1077.0	0.0	976.5(	32.55)	1302.7(	43.42)	0.0	55.20	37.89	22.9	0.888	45.55	45.55	12.00	1080.31
164		5	31	1099.4	1635.5	3091.6(	99.73)	1450.8(	46.80)	0.0	60.23	44.78	24.0	0.891	46.83	46.83	12.00	1088.22
165		6	30	1105.0	2314.8	2793.6(	93.12)	1379.0(	45.97)	721.7	65.00	46.80	24.0	0.895	45.97	45.97	12.00	1102.22
166		7	31	1105.0	2314.8	1776.0(	57.29)	1401.0(	45.19)	354.0	65.00	48.36	24.0	0.895	45.19	45.19	12.00	1105.00
167		8	31	1104.9	2299.8	656.7(	21.18)	651.0(	21.00)	0.0	65.00	22.34	11.1	0.895	45.47	45.47	12.00	1104.95
168		9	30	1104.6	2252.0	448.0(	14.93)	480.0(	16.00)	0.0	65.00	16.46	8.4	0.895	45.49	45.49	12.00	1104.72
						978.9(	32.07)	881.3(	29.03)	89.6	63.48	28.79		0.894	1395.	1395.	12.00	1099.20
169	1954	10	31	1105.0	2314.8	445.1(	14.36)	372.0(	12.00)	2.1	65.00	12.79	6.3	0.895	45.38	45.38	12.00	1104.78
170		11	30	1104.9	2307.2	384.0(	12.80)	390.0(	13.00)	0.0	65.00	13.45	6.9	0.895	45.25	45.25	12.00	1104.97
171		12	31	1104.9	2294.7	357.9(	11.54)	370.4(	11.95)	0.0	65.00	12.78	6.3	0.895	45.21	45.21	12.00	1104.90
172		1	31	1104.4	2227.5	304.9(	9.83)	372.0(	12.00)	0.0	65.00	12.81	6.4	0.895	45.29	45.29	12.00	1104.62
173		2	28	1103.8	2144.8	253.2(	9.04)	336.0(	12.00)	0.0	65.00	11.53	6.3	0.895	45.44	45.44	12.00	1104.07
174		3	31	1103.5	2104.4	332.4(	10.72)	372.0(	12.00)	0.0	65.00	12.73	6.3	0.895	45.57	45.57	12.00	1103.62
175		4	30	1100.6	1756.1	678.5(	22.62)	1020.0(	34.00)	0.0	65.00	34.57	17.7	0.895	46.02	46.02	12.00	1102.02
176		5	31	1104.9	2303.1	1957.6(	63.15)	1400.3(	45.17)	0.0	65.00	47.41	23.5	0.895	46.07	46.07	12.00	1102.75
177		6	30	1105.0	2314.8	961.9(	32.06)	930.0(	31.00)	4.0	65.00	31.95	16.4	0.895	45.40	45.40	12.00	1104.96
178		7	31	1103.8	2148.2	224.9(	7.25)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.37	45.37	12.00	1104.40
179		8	31	1101.6	1875.2	117.4(	3.79)	370.4(	11.95)	0.0	65.00	12.61	6.3	0.895	45.83	45.83	12.00	1102.71
180		9	30	1099.3	1616.8	114.4(	3.81)	358.5(	11.95)	0.0	65.00	12.03	6.2	0.895	46.48	46.48	12.00	1100.44
						511.0(	16.75)	555.2(	18.25)	0.5	65.00	18.95		0.895	1387.	1387.	12.00	1103.68
181	1955	10	31	1097.5	1448.4	208.9(	6.74)	370.4(	11.95)	0.0	65.00	12.27	6.1	0.895	47.09	47.09	12.00	1098.36
182		11	30	1095.7	1306.9	218.3(	7.28)	358.5(	11.95)	0.0	65.00	11.74	6.0	0.895	47.63	47.63	12.00	1096.59
183		12	31	1094.5	1190.4	253.9(	8.19)	370.4(	11.95)	0.0	64.59	12.01	6.0	0.895	47.91	47.80	12.00	1095.11
184		1	31	1093.0	1050.6	230.7(	7.44)	370.4(	11.95)	0.0	63.84	11.90	6.0	0.894	47.70	47.70	12.00	1093.75
185		2	29	1092.1	974.0	269.9(	9.31)	346.5(	11.95)	0.0	63.06	11.04	6.0	0.894	47.52	47.52	12.00	1092.56
186		3	31	1091.8	944.2	341.2(	11.01)	370.4(	11.95)	0.0	62.66	11.75	6.0	0.893	47.42	47.42	12.00	1091.96
187		4	30	1097.0	1405.0	823.8(	27.46)	358.5(	11.95)	0.0	64.26	11.57	6.0	0.894	47.80	47.80	12.00	1094.38
188		5	31	1103.0	2040.3	1543.4(	49.79)	899.0(	29.00)	0.0	65.00	30.08	14.9	0.895	46.62	46.62	12.00	1099.96
189		6	30	1104.9	2300.5	1616.1(	53.87)	1340.6(	44.69)	0.0	65.00	45.89	23.5	0.895	45.57	45.57	12.00	1103.93
190		7	31	1105.0	2310.4	743.9(	24.00)	713.0(	23.00)	0.0	65.00	24.52	12.2	0.895	45.36	45.36	12.00	1104.93
191		8	31	1105.0	2307.7	388.4(	12.53)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.38	45.38	12.00	1104.96
192		9	30	1104.5	2249.8	316.4(	10.55)	358.5(	11.95)	0.0	65.00	12.36	6.3	0.895	45.26	45.26	12.00	1104.74
						579.6(	19.01)	518.9(	17.02)	0.0	64.45	17.32		0.895	1426.	1426.	12.00	1098.44

*** 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	1104.5	2247.2	376.0(12.13)	370.4(11.95)	0.0	65.00	12.75	6.3	0.895	45.32	45.32	12.00	1104.53
194		11	30	1104.2	2200.6	315.0(10.50)	360.0(12.00)	0.0	65.00	12.38	6.3	0.895	45.37	45.37	12.00	1104.35
195		12	31	1103.8	2142.9	312.7(10.09)	370.4(11.95)	0.0	65.00	12.71	6.3	0.895	45.47	45.47	12.00	1103.97
196		1	31	1103.1	2059.7	288.8(9.32)	372.0(12.00)	0.0	65.00	12.72	6.3	0.895	45.62	45.62	12.00	1103.44
197		2	28	1102.7	2007.4	283.7(10.13)	336.0(12.00)	0.0	65.00	11.45	6.3	0.895	45.77	45.77	12.00	1102.92
198		3	31	1102.1	1926.6	509.0(16.42)	589.0(19.00)	0.0	65.00	20.01	9.9	0.895	45.92	45.92	12.00	1102.38
199		4	30	1100.0	1696.2	1121.9(37.40)	1345.9(44.86)	0.0	65.00	45.34	23.3	0.895	46.31	46.31	12.00	1101.04
200		5	31	1104.0	2181.4	1921.4(61.98)	1426.0(46.00)	0.0	65.00	48.12	23.9	0.895	46.23	46.23	12.00	1102.03
201		6	30	1105.0	2314.8	1470.7(49.02)	1320.0(44.00)	1.5	65.00	45.26	23.2	0.895	45.50	45.50	12.00	1104.52
202		7	31	1105.0	2313.9	671.2(21.65)	651.0(21.00)	0.0	65.00	22.38	11.1	0.895	45.37	45.37	12.00	1105.00
203		8	31	1104.4	2225.5	302.7(9.76)	370.4(11.95)	0.0	65.00	12.75	6.3	0.895	45.32	45.32	12.00	1104.68
204		9	30	1103.8	2143.2	291.8(9.73)	358.5(11.95)	0.0	65.00	12.31	6.3	0.895	45.45	45.45	12.00	1104.06
						655.4(21.51)	655.8(21.56)	0.1	65.00	22.35		0.895	1388.	1388.	12.00	1103.57
205	1957	10	31	1103.6	2116.1	351.4(11.34)	370.4(11.95)	0.0	65.00	12.68	6.3	0.895	45.56	45.56	12.00	1103.65
206		11	30	1103.7	2136.4	381.8(12.73)	360.0(12.00)	0.0	65.00	12.32	6.3	0.895	45.57	45.57	12.00	1103.63
207		12	31	1103.4	2099.0	333.1(10.75)	370.4(11.95)	0.0	65.00	12.68	6.3	0.895	45.59	45.59	12.00	1103.56
208		1	31	1102.9	2031.9	303.4(9.79)	370.4(11.95)	0.0	65.00	12.65	6.3	0.895	45.70	45.70	12.00	1103.16
209		2	28	1102.3	1960.1	262.7(9.38)	334.6(11.95)	0.0	65.00	11.38	6.3	0.895	45.85	45.85	12.00	1102.62
210		3	31	1102.2	1943.2	354.3(11.43)	370.4(11.95)	0.0	65.00	12.58	6.2	0.895	45.96	45.96	12.00	1102.26
211		4	30	1104.4	2233.4	656.7(21.89)	360.0(12.00)	0.0	65.00	12.30	6.3	0.895	45.66	45.66	12.00	1103.31
212		5	31	1104.8	2286.3	1412.6(45.57)	1348.0(43.48)	0.0	65.00	46.42	23.0	0.895	45.30	45.30	12.00	1104.61
213		6	30	1104.9	2303.7	1383.6(46.12)	1350.0(45.00)	0.0	65.00	46.51	23.8	0.895	45.29	45.29	12.00	1104.86
214		7	31	1104.9	2302.1	577.4(18.63)	558.0(18.00)	0.0	65.00	19.22	9.5	0.895	45.28	45.28	12.00	1104.92
215		8	31	1104.3	2210.8	299.8(9.67)	370.4(11.95)	0.0	65.00	12.74	6.3	0.895	45.34	45.34	12.00	1104.58
216		9	30	1103.7	2134.3	297.6(9.92)	358.5(11.95)	0.0	65.00	12.30	6.3	0.895	45.47	45.47	12.00	1103.97
						551.2(18.10)	543.4(17.84)	0.0	65.00	18.65		0.895	1385.	1385.	12.00	1103.76
217	1958	10	31	1103.2	2072.3	316.4(10.21)	370.4(11.95)	0.0	65.00	12.67	6.3	0.895	45.62	45.62	12.00	1103.45
218		11	30	1102.6	1999.7	287.4(9.58)	358.5(11.95)	0.0	65.00	12.22	6.3	0.895	45.76	45.76	12.00	1102.93
219		12	31	1101.9	1904.9	275.7(8.89)	370.4(11.95)	0.0	65.00	12.58	6.2	0.895	45.95	45.95	12.00	1102.26
220		1	31	1101.1	1814.6	280.1(9.04)	370.4(11.95)	0.0	65.00	12.52	6.2	0.895	46.18	46.18	12.00	1101.49
221		2	28	1100.1	1703.5	224.9(8.03)	336.0(12.00)	0.0	65.00	11.29	6.2	0.895	46.43	46.43	12.00	1100.60
222		3	31	1099.9	1684.2	353.5(11.40)	372.0(12.00)	0.0	65.00	12.45	6.2	0.895	46.61	46.61	12.00	1100.00
223		4	30	1095.6	1297.4	969.2(32.31)	1350.0(45.00)	0.0	65.00	44.55	22.8	0.895	47.27	47.27	12.00	1097.76
224		5	31	1104.0	2177.9	2313.9(74.64)	1424.7(45.96)	0.0	65.00	47.37	23.5	0.895	46.92	46.92	12.00	1099.81
225		6	30	1104.9	2300.3	1478.0(49.27)	1339.8(44.66)	0.0	65.00	45.90	23.5	0.895	45.54	45.54	12.00	1104.46
226		7	31	1105.0	2314.8	562.8(18.16)	527.0(17.00)	0.3	65.00	18.11	9.0	0.895	45.40	45.40	12.00	1104.95
227		8	31	1104.9	2305.3	445.1(14.36)	434.0(14.00)	0.0	65.00	14.91	7.4	0.895	45.40	45.40	12.00	1104.97
228		9	30	1104.9	2304.0	373.1(12.44)	358.5(11.95)	0.0	65.00	12.35	6.3	0.895	45.27	45.27	12.00	1104.93
						656.7(21.53)	634.3(20.86)	0.0	65.00	21.41		0.895	1400.	1400.	12.00	1102.30
229	1959	10	31	1104.8	2286.7	456.0(14.71)	465.0(15.00)	0.0	65.00	16.02	7.9	0.895	45.29	45.29	12.00	1104.86
230		11	30	1104.8	2293.2	458.1(15.27)	450.0(15.00)	0.0	65.00	15.45	7.9	0.895	45.43	45.43	12.00	1104.82
231		12	31	1104.9	2295.3	372.5(12.01)	370.4(11.95)	0.0	65.00	12.74	6.3	0.895	45.38	45.38	12.00	1104.86
232		1	31	1104.7	2267.4	342.6(11.05)	370.4(11.95)	0.0	65.00	12.77	6.3	0.895	45.25	45.25	12.00	1104.76
233		2	29	1104.6	2264.1	343.3(11.84)	346.5(11.95)	0.0	65.00	11.94	6.3	0.895	45.28	45.28	12.00	1104.65
234		3	31	1097.4	1441.0	448.7(14.48)	1271.0(41.00)	0.0	65.00	42.81	21.2	0.895	46.31	46.31	12.00	1101.01
235		4	30	1096.3	1350.9	1325.3(44.18)	1410.0(47.00)	0.0	65.00	46.07	23.6	0.895	47.74	47.74	12.00	1096.84
236		5	31	1105.0	2314.1	2379.3(76.75)	1407.1(45.39)	0.0	65.00	47.09	23.4	0.895	46.61	46.61	12.00	1100.64
237		6	30	1104.9	2304.1	1296.3(43.21)	1290.0(43.00)	0.0	65.00	44.36	22.8	0.895	45.36	45.36	12.00	1104.96
238		7	31	1104.8	2291.7	845.6(27.28)	837.0(27.00)	0.0	65.00	28.76	14.3	0.895	45.41	45.41	12.00	1104.88
239		8	31	1105.0	2309.0	533.8(17.22)	496.0(16.00)	0.0	65.00	17.01	8.4	0.895	45.48	45.48	12.00	1104.90
240		9	30	1105.0	2314.8	378.9(12.63)	357.2(11.91)	0.0	65.00	12.25	6.3	0.895	45.47	45.47	12.00	1104.98
						765.0(25.05)	755.9(24.76)	0.0	65.00	25.61		0.895	1395.	1395.	12.00	1103.51

*** 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)
241	1960	10	31	1104.2	2199.4	252.5(	8.15)	359.6(	11.60)	0.0	65.00	12.31	6.1	0.895	45.58	45.58	12.00	1104.59
242		11	30	1103.2	2065.1	224.2(	7.47)	356.9(	11.90)	0.0	65.00	12.15	6.2	0.895	45.84	45.84	12.00	1103.67
243		12	31	1102.0	1920.9	226.3(	7.30)	370.4(	11.95)	0.0	65.00	12.52	6.2	0.895	46.15	46.15	12.00	1102.59
244		1	31	1100.5	1742.6	192.1(	6.20)	370.4(	11.95)	0.0	65.00	12.45	6.2	0.895	46.43	46.43	12.00	1101.23
245		2	28	1098.8	1572.6	164.6(	5.88)	334.6(	11.95)	0.0	65.00	11.17	6.1	0.895	46.72	46.72	12.00	1099.64
246		3	31	1096.9	1397.3	195.1(	6.29)	369.8(	11.93)	0.0	65.00	12.21	6.1	0.895	47.25	47.25	12.00	1097.84
247		4	30	1097.5	1450.5	411.7(	13.72)	353.1(	11.77)	0.0	64.49	11.61	6.0	0.895	47.45	47.08	12.00	1097.18
248		5	31	1102.5	1976.5	896.5(	28.92)	361.2(	11.65)	0.0	64.98	12.09	6.0	0.895	46.62	46.60	12.00	1099.98
249		6	30	1103.3	2083.6	465.5(	15.52)	343.5(	11.45)	0.0	65.00	11.71	6.0	0.895	45.78	45.78	12.00	1102.88
250		7	31	1101.2	1823.9	110.8(	3.57)	350.5(	11.31)	0.0	63.96	11.90	6.0	0.895	45.96	45.23	12.00	1102.24
251		8	31	1098.1	1507.5	54.1(	1.74)	352.2(	11.36)	0.0	63.24	11.76	6.0	0.895	46.71	45.44	12.00	1099.65
252		9	30	1094.4	1185.5	36.6(	1.22)	345.8(	11.53)	0.0	62.81	11.30	6.0	0.895	47.72	46.11	12.00	1096.29
						269.2(	8.83)	355.7(	11.70)	0.0	64.54	11.93		0.895	1415.	1405.	12.00	1100.65
253	1961	10	31	1091.6	925.1	110.0(	3.55)	364.6(	11.76)	0.0	62.64	11.65	6.0	0.894	47.59	47.05	12.00	1093.01
254		11	30	1088.9	707.1	140.5(	4.68)	357.5(	11.92)	0.0	61.55	11.20	6.1	0.892	47.15	47.15	12.00	1090.25
255		12	31	1086.3	509.9	173.3(	5.59)	370.4(	11.95)	0.0	59.84	11.38	6.1	0.891	46.73	46.73	12.00	1087.62
256		1	31	1082.9	282.2	142.8(	4.61)	370.4(	11.95)	0.0	57.89	11.13	6.2	0.890	46.25	46.25	12.00	1084.58
257		2	28	1077.0	79.5	131.8(	4.71)	334.6(	11.95)	0.0	54.96	9.70	6.3	0.887	45.49	45.49	12.00	1079.93
258		3	31	1077.0	0.0	291.0(	9.39)	370.1(	11.94)	0.0	53.15	10.49	6.4	0.886	45.01	45.01	12.00	1077.00
259		4	30	1084.8	404.0	765.6(	25.52)	358.5(	11.95)	0.0	55.56	10.47	6.3	0.888	45.65	45.65	12.00	1080.88
260		5	31	1098.8	1570.5	1543.4(	49.79)	370.4(	11.95)	0.0	62.54	11.73	6.1	0.893	47.39	47.39	12.00	1091.78
261		6	30	1102.7	2008.0	809.3(	26.98)	358.5(	11.95)	0.0	65.00	12.06	6.2	0.895	46.39	46.39	12.00	1100.75
262		7	31	1102.6	1994.8	376.7(	12.15)	370.4(	11.95)	0.0	65.00	12.61	6.3	0.895	45.84	45.84	12.00	1102.66
263		8	31	1100.7	1764.6	159.5(	5.14)	370.4(	11.95)	0.0	65.00	12.53	6.2	0.895	46.13	46.13	12.00	1101.63
264		9	30	1098.2	1516.9	124.5(	4.15)	358.5(	11.95)	0.0	65.00	11.96	6.1	0.895	46.77	46.77	12.00	1099.44
						397.4(	13.02)	362.9(	11.93)	0.0	60.68	11.41		0.892	1410.	1409.	12.00	1090.79
265	1962	10	31	1095.3	1267.3	127.5(	4.11)	370.4(	11.95)	0.0	65.00	12.15	6.0	0.895	47.58	47.58	12.00	1096.76
266		11	30	1093.1	1059.2	151.5(	5.05)	358.5(	11.95)	0.0	64.14	11.55	6.0	0.894	47.77	47.77	12.00	1094.19
267		12	31	1090.4	824.9	137.7(	4.44)	372.0(	12.00)	0.0	62.52	11.78	6.1	0.893	47.39	47.39	12.00	1091.74
268		1	31	1087.7	610.2	155.8(	5.03)	370.4(	11.95)	0.0	60.75	11.50	6.1	0.892	46.96	46.96	12.00	1089.03
269		2	28	1084.9	410.4	134.7(	4.81)	334.6(	11.95)	0.0	58.97	10.18	6.2	0.890	46.52	46.52	12.00	1086.27
270		3	31	1077.0	0.0	197.2(	6.36)	607.1(	19.59)	0.0	55.59	17.74	10.3	0.888	45.66	45.66	12.00	1080.93
271		4	30	1081.0	175.5	1528.9(	50.96)	1350.3(	45.01)	0.0	54.40	38.88	23.8	0.887	45.34	45.34	12.00	1079.02
272		5	31	1105.0	2314.8	3811.2(	122.94)	1475.2(	47.59)	190.8	63.36	47.14	24.0	0.894	47.59	47.59	12.00	1093.02
273		6	30	1105.0	2314.8	2648.3(	88.28)	1355.6(	45.19)	1276.3	65.00	46.80	24.0	0.895	45.19	45.19	12.00	1105.00
274		7	31	1105.0	2314.8	1434.4(	46.27)	1395.0(	45.00)	18.3	65.00	47.94	23.8	0.895	45.40	45.40	12.00	1105.00
275		8	31	1104.9	2295.0	961.9(	31.03)	961.0(	31.00)	0.0	65.00	33.05	16.4	0.895	45.36	45.36	12.00	1104.93
276		9	30	1104.5	2246.5	327.3(	10.91)	360.0(	12.00)	0.0	65.00	12.39	6.4	0.895	45.33	45.33	12.00	1104.69
						968.0(	31.68)	775.9(	25.43)	123.8	62.06	25.09		0.893	1410.	1410.	12.00	1094.21
277	1963	10	31	1105.0	2307.8	534.5(	17.24)	465.0(	15.00)	0.0	65.00	16.00	7.9	0.895	45.33	45.33	12.00	1104.73
278		11	30	1105.0	2314.3	458.1(	15.27)	450.0(	15.00)	0.0	65.00	15.46	7.9	0.895	45.42	45.42	12.00	1104.97
279		12	31	1104.7	2268.9	326.6(	10.54)	372.0(	12.00)	0.0	65.00	12.78	6.3	0.895	45.40	45.40	12.00	1104.84
280		1	31	1103.6	2122.1	256.1(	8.26)	403.0(	13.00)	0.0	65.00	13.84	6.9	0.895	45.43	45.43	12.00	1104.14
281		2	29	1092.7	1026.7	209.6(	7.23)	1305.0(	45.00)	0.0	65.00	43.17	22.9	0.895	47.15	47.15	12.00	1098.16
282		3	31	1077.0	0.0	361.5(	11.66)	1387.6(	44.76)	0.0	58.07	41.78	23.2	0.890	46.29	46.29	12.00	1084.86
283		4	30	1080.5	145.4	1470.7(	49.02)	1322.2(	44.07)	0.0	54.23	37.99	23.4	0.887	45.30	45.30	12.00	1078.74
284		5	31	1101.1	1811.0	3135.2(	101.13)	1463.8(	47.22)	0.0	61.89	46.03	24.0	0.893	47.24	47.24	12.00	1090.78
285		6	30	1105.0	2314.8	2175.7(	72.52)	1372.1(	45.74)	285.5	65.00	46.80	24.0	0.895	45.74	45.74	12.00	1103.04
286		7	31	1104.9	2302.0	628.2(	20.27)	620.0(	20.00)	0.0	65.00	21.30	10.6	0.895	45.41	45.41	12.00	1104.95
287		8	31	1103.8	2153.3	242.4(	7.82)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.44	45.44	12.00	1104.37
288		9	30	1102.6	1995.0	215.5(	7.18)	358.5(	11.95)	0.0	65.00	12.24	6.3	0.895	45.68	45.68	12.00	1103.22
						834.5(	27.35)	824.1(	27.14)	23.8	63.27	26.68		0.894	1397.	1397.	12.00	1098.90

*** 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	1101.4	1846.1	229.3(	7.40)	370.4(	11.95)	0.0	65.00	12.55	6.2	0.895	46.03	46.03	12.00	1101.99
290		11	30	1100.1	1703.1	216.9(	7.23)	358.5(	11.95)	0.0	65.00	12.05	6.2	0.895	46.39	46.39	12.00	1100.73
291		12	31	1098.6	1556.0	223.4(	7.21)	370.4(	11.95)	0.0	65.00	12.35	6.1	0.895	46.80	46.80	12.00	1099.37
292		1	31	1096.4	1356.6	171.1(	5.52)	370.4(	11.95)	0.0	65.00	12.20	6.1	0.895	47.35	47.35	12.00	1097.50
293		2	28	1094.3	1172.0	150.0(	5.36)	334.6(	11.95)	0.0	64.69	10.87	6.0	0.895	47.95	47.80	12.00	1095.33
294		3	31	1095.0	1240.2	439.2(	14.17)	370.4(	11.95)	0.0	64.39	11.98	6.0	0.895	47.84	47.80	12.00	1094.66
295		4	30	1103.0	2046.9	1201.7(	40.06)	390.0(	13.00)	0.0	65.00	12.97	6.7	0.895	46.90	46.90	12.00	1099.02
296		5	31	1105.0	2309.5	1637.8(	52.83)	1364.0(	44.00)	0.0	65.00	46.80	23.2	0.895	45.47	45.47	12.00	1103.99
297		6	30	1104.3	2210.6	1027.3(	34.24)	1110.0(	37.00)	0.0	65.00	38.03	19.5	0.895	45.53	45.53	12.00	1104.61
298		7	31	1104.8	2291.4	566.4(	18.27)	465.0(	15.00)	0.0	65.00	15.93	7.9	0.895	45.55	45.55	12.00	1104.55
299		8	31	1104.1	2186.3	285.9(	9.22)	370.4(	11.95)	0.0	65.00	12.71	6.3	0.895	45.47	45.47	12.00	1104.46
300		9	30	1102.8	2013.3	200.9(	6.70)	358.5(	11.95)	0.0	65.00	12.26	6.3	0.895	45.63	45.63	12.00	1103.42
						529.2(	17.35)	519.4(	17.05)	0.0	64.92	17.56		0.895	1411.	1411.	12.00	1100.80
301	1965	10	31	1102.9	2027.9	392.8(	12.67)	370.4(	11.95)	0.0	65.00	12.62	6.3	0.895	45.80	45.80	12.00	1102.81
302		11	30	1102.2	1943.6	275.7(	9.19)	358.5(	11.95)	0.0	65.00	12.19	6.3	0.895	45.88	45.88	12.00	1102.53
303		12	31	1101.3	1832.8	261.2(	8.43)	372.0(	12.00)	0.0	65.00	12.59	6.2	0.895	46.11	46.11	12.00	1101.73
304		1	31	1100.3	1728.7	266.3(	8.59)	370.4(	11.95)	0.0	65.00	12.46	6.2	0.895	46.38	46.38	12.00	1100.80
305		2	28	1099.5	1637.8	245.1(	8.75)	336.0(	12.00)	0.0	65.00	11.24	6.2	0.895	46.64	46.64	12.00	1099.90
306		3	31	1099.0	1588.1	322.9(	10.42)	372.0(	12.00)	0.0	65.00	12.39	6.1	0.895	46.84	46.84	12.00	1099.22
307		4	30	1097.6	1455.8	1223.6(	40.79)	1350.0(	45.00)	0.0	65.00	44.69	22.9	0.895	47.12	47.12	12.00	1098.26
308		5	31	1105.0	2314.5	2263.0(	73.00)	1395.0(	45.00)	0.0	65.00	46.90	23.3	0.895	46.40	46.40	12.00	1101.27
309		6	30	1105.0	2308.4	700.2(	23.34)	690.0(	23.00)	0.0	65.00	23.73	12.2	0.895	45.36	45.36	12.00	1104.98
310		7	31	1103.9	2160.0	243.1(	7.84)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.38	45.38	12.00	1104.42
311		8	31	1102.0	1916.0	146.4(	4.72)	370.4(	11.95)	0.0	65.00	12.63	6.3	0.895	45.77	45.77	12.00	1102.93
312		9	30	1100.3	1722.2	179.1(	5.97)	358.5(	11.95)	0.0	65.00	12.08	6.2	0.895	46.28	46.28	12.00	1101.12
						543.3(	17.81)	559.5(	18.39)	0.0	65.00	18.85		0.895	1404.	1404.	12.00	1101.66
313	1966	10	31	1098.9	1577.4	232.9(	7.51)	370.4(	11.95)	0.0	65.00	12.37	6.1	0.895	46.74	46.74	12.00	1099.57
314		11	30	1097.2	1425.0	207.4(	6.91)	358.5(	11.95)	0.0	65.00	11.85	6.1	0.895	47.19	47.19	12.00	1098.03
315		12	31	1095.0	1235.1	180.6(	5.82)	370.4(	11.95)	0.0	65.00	12.09	6.0	0.895	47.79	47.79	12.00	1096.08
316		1	31	1092.8	1033.6	168.9(	5.45)	370.4(	11.95)	0.0	63.93	11.91	6.0	0.894	47.72	47.72	12.00	1093.89
317		2	28	1090.4	826.5	127.5(	4.56)	334.6(	11.95)	0.0	62.43	10.58	6.1	0.893	47.37	47.37	12.00	1091.61
318		3	31	1088.1	642.6	187.0(	6.03)	370.4(	11.95)	0.0	60.90	11.52	6.1	0.892	46.99	46.99	12.00	1089.25
319		4	30	1089.7	767.3	487.3(	16.24)	358.5(	11.95)	0.0	60.66	11.12	6.1	0.892	46.94	46.94	12.00	1088.89
320		5	31	1104.9	2294.4	2619.2(	84.49)	1085.0(	35.00)	0.0	65.00	35.69	17.7	0.895	47.42	47.42	12.00	1097.27
321		6	30	1104.9	2301.9	983.7(	32.79)	960.0(	32.00)	0.0	65.00	33.01	16.9	0.895	45.36	45.36	12.00	1104.88
322		7	31	1104.8	2288.7	1092.8(	35.25)	1085.0(	35.00)	0.0	65.00	37.27	18.5	0.895	45.42	45.42	12.00	1104.86
323		8	31	1104.9	2299.2	496.1(	16.00)	465.0(	15.00)	0.0	65.00	15.97	7.9	0.895	45.41	45.41	12.00	1104.85
324		9	30	1104.2	2201.3	276.5(	9.22)	358.5(	11.95)	0.0	65.00	12.34	6.3	0.895	45.32	45.32	12.00	1104.54
						588.3(	19.19)	540.6(	17.72)	0.0	63.99	17.98		0.894	1419.	1419.	12.00	1097.81
325	1967	10	31	1103.7	2129.8	307.1(	9.91)	370.4(	11.95)	0.0	65.00	12.70	6.3	0.895	45.49	45.49	12.00	1103.92
326		11	30	1103.2	2065.9	297.6(	9.92)	360.0(	12.00)	0.0	65.00	12.31	6.3	0.895	45.63	45.63	12.00	1103.41
327		12	31	1102.5	1986.4	291.0(	9.39)	370.4(	11.95)	0.0	65.00	12.62	6.3	0.895	45.79	45.79	12.00	1102.86
328		1	31	1101.6	1869.0	254.6(	8.21)	372.0(	12.00)	0.0	65.00	12.61	6.3	0.895	46.01	46.01	12.00	1102.06
329		2	29	1091.6	930.2	221.2(	7.63)	1160.0(	40.00)	0.0	65.00	38.00	20.2	0.895	47.63	47.63	12.00	1096.60
330		3	31	1077.0	0.0	461.1(	14.87)	1390.8(	44.86)	0.0	57.72	41.70	23.3	0.890	46.20	46.20	12.00	1084.32
331		4	30	1105.0	2314.8	3803.9(126.80)		1418.1(	47.27)	67.9	62.03	44.66	24.0	0.893	47.27	47.27	12.00	1091.00
332		5	31	1105.0	2314.8	4276.4(137.95)		1400.8(	45.19)	2863.6	65.00	48.36	24.0	0.895	45.19	45.19	12.00	1105.00
333		6	30	1105.0	2314.8	2299.3(	76.64)	1363.9(	45.46)	919.1	65.00	46.80	24.0	0.895	45.46	45.46	12.00	1105.00
334		7	31	1104.8	2291.7	772.9(	24.93)	775.0(	25.00)	0.0	65.00	26.62	13.2	0.895	45.42	45.42	12.00	1104.92
335		8	31	1104.8	2284.7	384.0(	12.39)	370.4(	11.95)	0.0	65.00	12.76	6.3	0.895	45.29	45.29	12.00	1104.81
336		9	30	1104.3	2220.3	310.0(	10.33)	358.5(	11.95)	0.0	65.00	12.34	6.3	0.895	45.31	45.31	12.00	1104.56
						1139.9(	37.41)	809.2(	26.63)	320.9	64.15	26.79		0.894	1399.	1399.	12.00	1100.70

*** 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	1104.0	2177.8	336.1(	10.84)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.42	45.42	12.00	1104.17
338		11	30	1104.1	2190.9	373.1(	12.44)	358.5(	11.95)	0.0	65.00	12.31	6.3	0.895	45.45	45.45	12.00	1104.06
339		12	31	1103.4	2093.9	275.0(	8.87)	372.0(	12.00)	0.0	65.00	12.74	6.3	0.895	45.54	45.54	12.00	1103.75
340		1	31	1102.1	1929.3	207.4(	6.69)	372.0(	12.00)	0.0	65.00	12.66	6.3	0.895	45.82	45.82	12.00	1102.73
341		2	28	1096.9	1400.4	171.1(	6.11)	700.0(	25.00)	0.0	65.00	23.35	12.8	0.895	46.76	46.76	12.00	1099.49
342		3	31	1083.7	333.9	395.0(	12.74)	1460.9(	47.12)	0.0	61.57	45.78	24.0	0.892	47.16	47.16	12.00	1090.30
343		4	30	1087.4	592.1	1652.4(	55.08)	1390.5(	46.35)	0.0	58.52	42.08	24.0	0.890	46.40	46.40	12.00	1085.56
344		5	31	1105.0	2314.8	3207.9(	103.48)	1472.6(	47.50)	5.8	65.00	48.12	23.9	0.895	47.75	47.75	12.00	1096.22
345		6	30	1105.0	2307.9	729.4(	24.31)	720.0(	24.00)	0.0	65.00	24.72	12.7	0.895	45.44	45.44	12.00	1104.98
346		7	31	1103.8	2144.9	228.5(	7.37)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.43	45.43	12.00	1104.36
347		8	31	1102.4	1974.4	219.8(	7.09)	370.4(	11.95)	0.0	65.00	12.64	6.3	0.895	45.72	45.72	12.00	1103.11
348		9	30	1101.0	1802.2	200.9(	6.70)	358.5(	11.95)	0.0	65.00	12.13	6.2	0.895	46.11	46.11	12.00	1101.72
						666.4(	21.81)	693.0(	22.81)	0.5	64.17	22.66		0.894	1402.	1402.	12.00	1100.04
349	1969	10	31	1100.7	1774.3	349.9(	11.29)	370.4(	11.95)	0.0	65.00	12.47	6.2	0.895	46.36	46.36	12.00	1100.87
350		11	30	1099.7	1664.6	250.2(	8.34)	358.5(	11.95)	0.0	65.00	12.02	6.2	0.895	46.54	46.54	12.00	1100.24
351		12	31	1098.6	1551.0	256.8(	8.28)	370.4(	11.95)	0.0	65.00	12.33	6.1	0.895	46.86	46.86	12.00	1099.16
352		1	31	1096.8	1391.5	211.0(	6.81)	370.4(	11.95)	0.0	65.00	12.22	6.1	0.895	47.30	47.30	12.00	1097.69
353		2	28	1095.0	1235.3	178.4(	6.37)	334.6(	11.95)	0.0	64.94	10.91	6.0	0.895	47.85	47.80	12.00	1095.88
354		3	31	1094.1	1153.0	288.8(	9.32)	370.4(	11.95)	0.0	64.33	11.97	6.0	0.894	47.82	47.80	12.00	1094.54
355		4	30	1103.1	2061.6	1303.5(	43.45)	390.0(	13.00)	0.0	65.00	12.94	6.6	0.895	47.02	47.02	12.00	1098.62
356		5	31	1105.0	2314.8	1070.9(	34.55)	806.0(	26.00)	0.5	65.00	27.67	13.7	0.895	45.45	45.45	12.00	1104.07
357		6	30	1104.9	2296.4	356.4(	11.88)	358.5(	11.95)	0.0	65.00	12.36	6.3	0.895	45.26	45.26	12.00	1104.94
358		7	31	1104.1	2185.8	280.8(	9.06)	370.4(	11.95)	0.0	65.00	12.75	6.3	0.895	45.33	45.33	12.00	1104.47
359		8	31	1102.1	1937.2	142.0(	4.58)	370.4(	11.95)	0.0	65.00	12.64	6.3	0.895	45.72	45.72	12.00	1103.11
360		9	30	1100.4	1733.9	169.7(	5.66)	358.5(	11.95)	0.0	65.00	12.09	6.2	0.895	46.24	46.24	12.00	1101.26
						404.9(	13.30)	402.4(	13.21)	0.0	64.94	13.53		0.895	1413.	1413.	12.00	1100.40
361	1970	10	31	1098.7	1559.3	203.0(	6.55)	370.4(	11.95)	0.0	65.00	12.36	6.1	0.895	46.75	46.75	12.00	1099.53
362		11	30	1096.6	1378.6	179.1(	5.97)	358.5(	11.95)	0.0	65.00	11.82	6.1	0.895	47.31	47.31	12.00	1097.66
363		12	31	1094.1	1150.9	142.8(	4.61)	370.4(	11.95)	0.0	64.70	12.04	6.0	0.895	47.75	47.80	12.00	1095.36
364		1	31	1091.5	919.6	139.1(	4.49)	370.4(	11.95)	0.0	63.21	11.82	6.0	0.894	47.55	47.55	12.00	1092.79
365		2	28	1088.7	685.6	100.6(	3.59)	334.6(	11.95)	0.0	61.44	10.47	6.1	0.892	47.13	47.13	12.00	1090.08
366		3	31	1086.8	546.0	231.4(	7.46)	370.4(	11.95)	0.0	59.91	11.39	6.1	0.891	46.75	46.75	12.00	1087.73
367		4	30	1090.1	798.0	614.5(	20.48)	358.5(	11.95)	0.0	60.36	11.08	6.1	0.892	46.86	46.86	12.00	1088.43
368		5	31	1105.0	2310.7	2015.9(	65.03)	496.0(	16.00)	0.0	65.00	16.34	8.1	0.895	47.35	47.35	12.00	1097.52
369		6	30	1104.9	2304.5	940.0(	31.33)	930.0(	31.00)	0.0	65.00	32.10	16.5	0.895	45.20	45.20	12.00	1104.95
370		7	31	1103.3	2088.5	175.5(	5.66)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.43	45.43	12.00	1104.14
371		8	31	1103.7	2130.5	432.1(	13.94)	370.4(	11.95)	0.0	65.00	12.67	6.3	0.895	45.60	45.60	12.00	1103.50
372		9	30	1101.7	1883.5	126.7(	4.22)	358.5(	11.95)	0.0	65.00	12.20	6.3	0.895	45.84	45.84	12.00	1102.68
						441.7(	14.44)	421.6(	13.87)	0.0	63.72	13.92		0.894	1419.	1418.	12.00	1097.03
373	1971	10	31	1100.0	1698.4	192.8(	6.22)	370.4(	11.95)	0.0	65.00	12.47	6.2	0.895	46.35	46.35	12.00	1100.87
374		11	30	1098.5	1544.5	206.0(	6.87)	358.5(	11.95)	0.0	65.00	11.94	6.1	0.895	46.82	46.82	12.00	1099.28
375		12	31	1096.6	1379.4	205.3(	6.62)	370.4(	11.95)	0.0	65.00	12.21	6.1	0.895	47.33	47.33	12.00	1097.58
376		1	31	1094.4	1180.8	171.9(	5.54)	370.4(	11.95)	0.0	64.78	12.05	6.0	0.895	47.98	47.80	12.00	1095.52
377		2	29	1092.6	1011.8	177.5(	6.12)	346.5(	11.95)	0.0	63.66	11.11	6.0	0.894	47.66	47.66	12.00	1093.48
378		3	31	1091.0	878.8	238.0(	7.68)	370.4(	11.95)	0.0	62.56	11.73	6.1	0.893	47.40	47.40	12.00	1091.80
379		4	30	1100.7	1768.6	1252.7(	41.76)	358.5(	11.95)	0.0	64.93	11.69	6.0	0.895	47.85	47.80	12.00	1095.86
380		5	31	1104.9	2305.3	1725.1(	55.65)	1178.0(	38.00)	0.0	65.00	40.13	19.9	0.895	45.80	45.80	12.00	1102.81
381		6	30	1104.9	2302.5	1303.5(	43.45)	1290.0(	43.00)	0.0	65.00	44.28	22.7	0.895	45.45	45.45	12.00	1104.92
382		7	31	1104.9	2300.0	452.4(	14.59)	434.0(	14.00)	0.0	65.00	14.90	7.4	0.895	45.44	45.44	12.00	1104.90
383		8	31	1103.5	2114.9	206.0(	6.65)	370.4(	11.95)	0.0	65.00	12.71	6.3	0.895	45.48	45.48	12.00	1104.22
384		9	30	1102.9	2033.0	291.8(	9.73)	358.5(	11.95)	0.0	65.00	12.24	6.3	0.895	45.68	45.68	12.00	1103.23
						535.3(	17.57)	514.7(	16.88)	0.0	64.66	17.29		0.895	1421.	1421.	12.00	1099.54

Our Project

*** 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	1102.5	1977.7	322.9(	10.42)	370.4(	11.95)	0.0	65.00	12.61	6.3	0.895	45.83	45.83	12.00	1102.69
386		11	30	1102.0	1915.3	297.6(	9.92)	358.5(	11.95)	0.0	65.00	12.17	6.2	0.895	45.97	45.97	12.00	1102.22
387		12	31	1100.9	1787.9	243.1(	7.84)	370.4(	11.95)	0.0	65.00	12.51	6.2	0.895	46.20	46.20	12.00	1101.41
388		1	31	1099.6	1648.8	231.4(	7.46)	370.4(	11.95)	0.0	65.00	12.42	6.2	0.895	46.54	46.54	12.00	1100.22
389		2	28	1098.7	1562.4	248.1(	8.86)	334.6(	11.95)	0.0	65.00	11.14	6.1	0.895	46.86	46.86	12.00	1099.14
390		3	31	1097.9	1485.1	293.9(	9.48)	370.4(	11.95)	0.0	65.00	12.27	6.1	0.895	47.11	47.11	12.00	1098.29
391		4	30	1101.8	1896.9	867.4(	28.91)	450.0(	15.00)	0.0	65.00	15.05	7.7	0.895	46.65	46.65	12.00	1099.84
392		5	31	1105.0	2311.0	1812.3(	58.46)	1387.3(	44.75)	0.0	65.00	47.42	23.5	0.895	45.64	45.64	12.00	1103.39
393		6	30	1104.6	2254.7	1296.3(	43.21)	1336.3(	44.54)	0.0	65.00	45.90	23.5	0.895	45.42	45.42	12.00	1104.77
394		7	31	1105.0	2314.8	457.5(	14.76)	372.0(	12.00)	4.7	65.00	12.75	6.3	0.895	45.50	45.50	12.00	1104.79
395		8	31	1103.1	2054.8	131.1(	4.23)	370.4(	11.95)	0.0	65.00	12.71	6.3	0.895	45.48	45.48	12.00	1104.04
396		9	30	1101.4	1846.6	165.3(	5.51)	358.5(	11.95)	0.0	65.00	12.17	6.2	0.895	45.96	45.96	12.00	1102.23
						530.6(	17.42)	537.5(	17.66)	0.4	65.00	18.26		0.895	1402.	1402.	12.00	1101.92
397	1973	10	31	1100.6	1760.6	291.8(	9.41)	370.4(	11.95)	0.0	65.00	12.48	6.2	0.895	46.32	46.32	12.00	1101.00
398		11	30	1099.8	1672.8	272.1(	9.07)	358.5(	11.95)	0.0	65.00	12.02	6.2	0.895	46.55	46.55	12.00	1100.21
399		12	31	1098.0	1491.6	189.2(	6.10)	370.4(	11.95)	0.0	65.00	12.31	6.1	0.895	46.94	46.94	12.00	1098.88
400		1	31	1095.3	1269.6	148.5(	4.79)	370.4(	11.95)	0.0	65.00	12.14	6.0	0.895	47.62	47.62	12.00	1096.64
401		2	28	1093.2	1070.4	135.4(	4.84)	334.6(	11.95)	0.0	64.18	10.79	6.0	0.894	47.78	47.78	12.00	1094.27
402		3	31	1092.0	962.2	262.7(	8.48)	370.4(	11.95)	0.0	63.09	11.80	6.0	0.894	47.52	47.52	12.00	1092.60
403		4	30	1093.4	1085.0	485.9(	16.20)	358.5(	11.95)	0.0	63.14	11.43	6.0	0.894	47.53	47.53	12.00	1092.68
404		5	31	1104.8	2281.8	1855.9(	59.87)	651.0(	21.00)	0.0	65.00	21.66	10.8	0.895	46.88	46.88	12.00	1099.07
405		6	30	1105.0	2314.8	567.9(	18.93)	510.0(	17.00)	8.8	65.00	17.59	9.0	0.895	45.22	45.22	12.00	1104.88
406		7	31	1103.3	2085.7	162.4(	5.24)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.42	45.42	12.00	1104.16
407		8	31	1101.4	1845.6	150.0(	4.84)	370.4(	11.95)	0.0	65.00	12.58	6.2	0.895	45.93	45.93	12.00	1102.35
408		9	30	1100.7	1765.5	292.5(	9.75)	358.5(	11.95)	0.0	65.00	12.08	6.2	0.895	46.31	46.31	12.00	1101.02
						401.2(	13.13)	399.5(	13.12)	0.7	64.62	13.30		0.895	1419.	1419.	12.00	1098.98
409	1974	10	31	1098.4	1537.1	149.3(	4.82)	370.4(	11.95)	0.0	65.00	12.36	6.1	0.895	46.74	46.74	12.00	1099.55
410		11	30	1096.1	1333.1	155.8(	5.19)	358.5(	11.95)	0.0	65.00	11.79	6.0	0.895	47.43	47.43	12.00	1097.25
411		12	31	1094.1	1155.5	192.8(	6.22)	370.4(	11.95)	0.0	64.59	12.01	6.0	0.895	47.91	47.80	12.00	1095.10
412		1	31	1092.0	965.6	180.6(	5.82)	370.4(	11.95)	0.0	63.40	11.84	6.0	0.894	47.60	47.60	12.00	1093.08
413		2	28	1089.6	760.6	129.6(	4.63)	334.6(	11.95)	0.0	61.92	10.52	6.1	0.893	47.24	47.24	12.00	1090.82
414		3	31	1087.6	608.0	218.3(	7.04)	370.4(	11.95)	0.0	60.49	11.47	6.1	0.892	46.89	46.89	12.00	1088.62
415		4	30	1093.2	1069.3	823.8(	27.46)	358.5(	11.95)	0.0	61.66	11.24	6.1	0.892	47.18	47.18	12.00	1090.42
416		5	31	1100.0	1696.4	1005.6(	32.44)	370.4(	11.95)	0.0	65.00	12.13	6.0	0.895	47.62	47.62	12.00	1096.61
417		6	30	1102.2	1940.7	616.7(	20.56)	358.5(	11.95)	0.0	65.00	12.08	6.2	0.895	46.29	46.29	12.00	1101.10
418		7	31	1100.8	1779.5	228.5(	7.37)	370.4(	11.95)	0.0	65.00	12.51	6.2	0.895	46.18	46.18	12.00	1101.48
419		8	31	1098.0	1491.6	100.6(	3.24)	370.4(	11.95)	0.0	65.00	12.35	6.1	0.895	46.79	46.79	12.00	1099.37
420		9	30	1095.3	1266.2	145.6(	4.85)	358.5(	11.95)	0.0	65.00	11.74	6.0	0.895	47.62	47.62	12.00	1096.62
						328.9(	10.80)	363.5(	11.95)	0.0	63.92	11.84		0.894	1433.	1433.	12.00	1095.83
421	1975	10	31	1093.7	1114.6	224.9(	7.25)	370.4(	11.95)	0.0	64.31	11.96	6.0	0.894	47.82	47.80	12.00	1094.49
422		11	30	1092.0	963.1	208.1(	6.94)	358.5(	11.95)	0.0	63.25	11.44	6.0	0.894	47.56	47.56	12.00	1092.85
423		12	31	1089.0	712.1	119.4(	3.85)	370.4(	11.95)	0.0	61.71	11.63	6.1	0.893	47.19	47.19	12.00	1090.50
424		1	31	1085.9	482.1	140.5(	4.53)	370.4(	11.95)	0.0	59.73	11.37	6.1	0.891	46.71	46.71	12.00	1087.45
425		2	29	1082.7	270.3	134.7(	4.65)	346.5(	11.95)	0.0	57.71	10.39	6.2	0.890	46.20	46.20	12.00	1084.29
426		3	31	1082.4	253.7	354.3(	11.43)	370.4(	11.95)	0.0	56.59	10.96	6.2	0.889	45.92	45.92	12.00	1082.53
427		4	30	1087.7	610.9	1230.8(	41.03)	870.0(	29.00)	0.0	58.18	26.23	15.0	0.890	46.32	46.32	12.00	1085.03
428		5	31	1103.7	2140.8	3018.9(	97.38)	1482.2(	47.81)	0.0	65.00	48.27	24.0	0.895	47.90	47.90	12.00	1095.71
429		6	30	1104.8	2293.2	1507.1(	50.24)	1338.9(	44.63)	0.0	65.00	45.90	23.5	0.895	45.51	45.51	12.00	1104.29
430		7	31	1104.9	2301.6	649.3(	20.95)	620.0(	20.00)	0.0	65.00	21.33	10.6	0.895	45.34	45.34	12.00	1104.88
431		8	31	1104.1	2189.2	278.7(	8.99)	370.4(	11.95)	0.0	65.00	12.75	6.3	0.895	45.33	45.33	12.00	1104.50
432		9	30	1103.3	2083.8	268.5(	8.95)	358.5(	11.95)	0.0	65.00	12.28	6.3	0.895	45.55	45.55	12.00	1103.70
						677.9(	22.18)	602.2(	19.75)	0.0	62.21	19.54		0.893	1417.	1417.	12.00	1094.18

*** OPTIMAL SCHEDULE ***

Olur 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)
433	1976	10	31	1103.3	2087.8	382.4(	12.34)	370.4(	11.95)	0.0	65.00	12.66	6.3	0.895	45.65	45.65	12.00	1103.32
434		11	30	1103.2	2068.8	341.0(	11.37)	358.5(	11.95)	0.0	65.00	12.25	6.3	0.895	45.67	45.67	12.00	1103.26
435		12	31	1102.8	2022.5	324.2(	10.46)	370.4(	11.95)	0.0	65.00	12.63	6.3	0.895	45.74	45.74	12.00	1103.01
436		1	31	1101.7	1889.4	237.3(	7.65)	370.4(	11.95)	0.0	65.00	12.58	6.2	0.895	45.95	45.95	12.00	1102.29
437		2	28	1101.0	1804.9	250.1(	8.93)	334.6(	11.95)	0.0	65.00	11.30	6.2	0.895	46.21	46.21	12.00	1101.38
438		3	31	1098.5	1543.9	359.7(	11.60)	620.0(	20.00)	0.0	65.00	20.72	10.3	0.895	46.68	46.68	12.00	1099.77
439		4	30	1095.8	1311.6	1153.5(	38.45)	1380.0(	46.00)	0.0	65.00	45.36	23.3	0.895	47.46	47.46	12.00	1097.15
440		5	31	1104.9	2306.8	2417.2(	77.98)	1413.3(	45.59)	0.0	65.00	47.19	23.4	0.895	46.72	46.72	12.00	1100.36
441		6	30	1104.9	2306.9	856.4(	28.55)	840.0(	28.00)	0.0	65.00	28.87	14.8	0.895	45.38	45.38	12.00	1104.94
442		7	31	1104.3	2221.8	306.4(	9.88)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.36	45.36	12.00	1104.64
443		8	31	1102.6	1992.4	161.3(	5.20)	370.4(	11.95)	0.0	65.00	12.67	6.3	0.895	45.62	45.62	12.00	1103.46
444		9	30	1101.4	1850.6	231.4(	7.71)	358.5(	11.95)	0.0	65.00	12.15	6.2	0.895	46.03	46.03	12.00	1102.00
						585.1(	19.18)	596.4(	19.60)	0.0	65.00	20.09		0.895	1400.	1400.	12.00	1102.13
445	1977	10	31	1100.6	1753.5	280.8(	9.06)	370.4(	11.95)	0.0	65.00	12.48	6.2	0.895	46.32	46.32	12.00	1100.99
446		11	30	1099.6	1648.7	255.1(	8.50)	358.5(	11.95)	0.0	65.00	12.00	6.2	0.895	46.59	46.59	12.00	1100.06
447		12	31	1098.1	1502.7	224.4(	7.24)	370.4(	11.95)	0.0	65.00	12.31	6.1	0.895	46.96	46.96	12.00	1098.82
448		1	31	1096.3	1354.7	222.5(	7.18)	370.4(	11.95)	0.0	65.00	12.18	6.0	0.895	47.44	47.44	12.00	1097.21
449		2	28	1095.5	1290.0	269.9(	9.64)	334.6(	11.95)	0.0	64.96	10.91	6.0	0.895	47.83	47.80	12.00	1095.94
450		3	31	1090.6	840.9	450.6(	14.53)	899.0(	29.00)	0.0	63.39	28.74	14.6	0.894	47.59	47.59	12.00	1093.06
451		4	30	1088.1	639.9	1183.1(	39.44)	1379.8(	45.99)	0.0	60.94	42.93	23.5	0.892	47.00	47.00	12.00	1089.32
452		5	31	1104.9	2304.0	3128.0(	100.90)	1457.0(	47.00)	0.0	65.00	47.51	23.6	0.895	47.84	47.84	12.00	1096.49
453		6	30	1104.8	2292.5	1054.7(	35.16)	1050.0(	35.00)	0.0	65.00	36.00	18.5	0.895	45.50	45.50	12.00	1104.88
454		7	31	1103.6	2120.7	219.6(	7.08)	370.4(	11.95)	0.0	65.00	12.70	6.3	0.895	45.51	45.51	12.00	1104.22
455		8	31	1101.4	1851.3	120.8(	3.90)	370.4(	11.95)	0.0	65.00	12.59	6.3	0.895	45.89	45.89	12.00	1102.50
456		9	30	1099.4	1631.1	152.4(	5.08)	358.5(	11.95)	0.0	65.00	12.03	6.2	0.895	46.49	46.49	12.00	1100.41
						630.2(	20.64)	640.8(	21.05)	0.0	64.52	21.03		0.895	1422.	1422.	12.00	1098.66
457	1978	10	31	1097.7	1473.2	219.6(	7.08)	370.4(	11.95)	0.0	65.00	12.29	6.1	0.895	47.03	47.03	12.00	1098.57
458		11	30	1096.2	1346.8	233.3(	7.78)	358.5(	11.95)	0.0	65.00	11.77	6.0	0.895	47.51	47.51	12.00	1096.99
459		12	31	1094.7	1205.8	229.4(	7.40)	370.4(	11.95)	0.0	64.75	12.04	6.0	0.895	47.97	47.80	12.00	1095.45
460		1	31	1093.0	1054.9	219.6(	7.08)	370.4(	11.95)	0.0	63.91	11.91	6.0	0.894	47.72	47.72	12.00	1093.85
461		2	28	1091.8	946.8	226.5(	8.09)	334.6(	11.95)	0.0	62.97	10.65	6.0	0.893	47.49	47.49	12.00	1092.43
462		3	31	1091.1	883.2	307.4(	9.92)	370.4(	11.95)	0.0	62.33	11.71	6.1	0.893	47.34	47.34	12.00	1091.45
463		4	30	1099.7	1663.9	1143.6(	38.12)	358.5(	11.95)	0.0	64.72	11.65	6.0	0.895	47.96	47.80	12.00	1095.40
464		5	31	1104.7	2276.9	1894.0(	61.10)	1271.0(	41.00)	0.0	65.00	43.14	21.4	0.895	45.97	45.97	12.00	1102.23
465		6	30	1104.9	2295.2	1370.7(	45.69)	1336.3(	44.54)	0.0	65.00	45.90	23.5	0.895	45.42	45.42	12.00	1104.80
466		7	31	1104.9	2307.4	560.2(	18.07)	527.0(	17.00)	0.0	65.00	18.13	9.0	0.895	45.33	45.33	12.00	1104.90
467		8	31	1103.2	2074.6	158.3(	5.11)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.44	45.44	12.00	1104.09
468		9	30	1101.4	1846.6	145.5(	4.85)	358.5(	11.95)	0.0	65.00	12.17	6.2	0.895	45.94	45.94	12.00	1102.31
						559.0(	18.36)	533.1(	17.51)	0.0	64.47	17.84		0.895	1422.	1421.	12.00	1098.54
469	1979	10	31	1101.3	1838.3	369.6(	11.92)	370.4(	11.95)	0.0	65.00	12.50	6.2	0.895	46.22	46.22	12.00	1101.34
470		11	30	1102.6	1992.2	513.8(	17.13)	358.5(	11.95)	0.0	65.00	12.15	6.2	0.895	46.04	46.04	12.00	1101.95
471		12	31	1102.5	1985.4	363.7(	11.73)	370.4(	11.95)	0.0	65.00	12.60	6.3	0.895	45.87	45.87	12.00	1102.56
472		1	31	1101.9	1912.5	297.6(	9.60)	370.4(	11.95)	0.0	65.00	12.57	6.2	0.895	45.96	45.96	12.00	1102.24
473		2	29	1101.2	1826.0	260.1(	8.97)	346.5(	11.95)	0.0	65.00	11.71	6.2	0.895	46.15	46.15	12.00	1101.57
474		3	31	1095.2	1256.8	454.5(	14.66)	1023.0(	33.00)	0.0	65.00	33.85	16.8	0.895	47.14	47.14	12.00	1098.20
475		4	30	1101.7	1886.4	2032.2(	67.74)	1397.4(	46.58)	0.0	65.00	46.14	23.7	0.895	47.24	47.24	12.00	1098.46
476		5	31	1104.9	2296.1	1814.9(	58.55)	1394.5(	44.98)	0.0	65.00	47.42	23.5	0.895	45.88	45.88	12.00	1103.29
477		6	30	1104.3	2222.9	301.5(	10.05)	358.5(	11.95)	0.0	65.00	12.31	6.3	0.895	45.42	45.42	12.00	1104.61
478		7	31	1102.1	1934.8	103.0(	3.32)	370.4(	11.95)	0.0	65.00	12.65	6.3	0.895	45.68	45.68	12.00	1103.23
479		8	31	1100.2	1709.8	164.2(	5.30)	370.4(	11.95)	0.0	65.00	12.49	6.2	0.895	46.28	46.28	12.00	1101.14
480		9	30	1097.8	1478.2	140.5(	4.68)	358.5(	11.95)	0.0	65.00	11.92	6.1	0.895	46.91	46.91	12.00	1098.98
						568.0(	18.64)	590.8(	19.34)	0.0	65.00	19.86		0.895	1410.	1410.	12.00	1101.46

*** 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	1095.7	1304.9	203.7(	6.57)	370.4(	11.95)	0.0	65.00	12.15	6.0	0.895	47.58	47.58	12.00	1096.75
482		11	30	1094.0	1139.1	193.9(	6.46)	358.5(	11.95)	0.0	64.46	11.60	6.0	0.895	47.87	47.80	12.00	1094.82
483		12	31	1092.9	956.6	188.0(	6.06)	370.4(	11.95)	0.0	63.31	11.83	6.0	0.894	47.58	47.58	12.00	1092.94
484		1	31	1089.6	761.3	175.1(	5.65)	370.4(	11.95)	0.0	61.89	11.65	6.1	0.893	47.23	47.23	12.00	1090.77
485		2	28	1087.4	588.0	161.3(	5.76)	334.6(	11.95)	0.0	60.40	10.35	6.1	0.892	46.87	46.87	12.00	1088.49
486		3	31	1085.5	450.4	233.3(	7.53)	370.4(	11.95)	0.0	59.06	11.28	6.2	0.891	46.54	46.54	12.00	1086.41
487		4	30	1090.7	849.6	761.6(	25.39)	358.5(	11.95)	0.0	60.13	11.05	6.1	0.891	46.81	46.81	12.00	1088.07
488		5	31	1099.1	1596.1	1528.7(	49.31)	775.0(	25.00)	0.0	64.58	25.09	12.5	0.895	47.88	47.88	12.00	1094.87
489		6	30	1104.9	2304.3	2071.6(	69.05)	1350.0(	45.00)	0.0	65.00	45.75	23.5	0.895	46.03	46.03	12.00	1101.99
490		7	31	1104.0	2176.9	264.0(	8.52)	370.4(	11.95)	0.0	65.00	12.72	6.3	0.895	45.45	45.45	12.00	1104.47
491		8	31	1102.3	1961.5	175.1(	5.65)	370.4(	11.95)	0.0	65.00	12.65	6.3	0.895	45.70	45.70	12.00	1103.17
492		9	30	1100.6	1753.7	165.3(	5.51)	358.5(	11.95)	0.0	65.00	12.11	6.2	0.895	46.19	46.19	12.00	1101.45
						510.1(	16.79)	479.8(	15.79)	0.0	63.24	15.69		0.894	1424.	1424.	12.00	1095.35
493	1981	10	31	1098.9	1584.7	208.7(	6.73)	370.4(	11.95)	0.0	65.00	12.38	6.1	0.895	46.68	46.68	12.00	1099.75
494		11	30	1097.7	1473.0	248.1(	8.27)	358.5(	11.95)	0.0	65.00	11.87	6.1	0.895	47.10	47.10	12.00	1098.34
495		12	31	1096.0	1328.3	225.7(	7.28)	370.4(	11.95)	0.0	65.00	12.16	6.0	0.895	47.54	47.54	12.00	1096.87
496		1	31	1093.9	1133.8	175.9(	5.68)	370.4(	11.95)	0.0	64.52	12.00	6.0	0.895	47.89	47.80	12.00	1094.95
497		2	28	1091.8	942.7	143.5(	5.13)	334.6(	11.95)	0.0	63.24	10.68	6.0	0.894	47.56	47.56	12.00	1092.84
498		3	31	1089.8	775.4	203.7(	6.57)	370.4(	11.95)	0.0	61.89	11.65	6.1	0.893	47.24	47.24	12.00	1090.78
499		4	30	1100.9	1790.0	1377.3(	45.91)	358.5(	11.95)	0.0	64.69	11.64	6.0	0.895	47.95	47.80	12.00	1095.34
500		5	31	1105.0	2314.8	1759.3(	56.75)	1224.0(	39.48)	0.0	65.00	41.73	20.7	0.895	45.76	45.76	12.00	1102.94
501		6	30	1105.0	2314.8	306.7(	10.22)	290.4(	9.68)	0.0	55.36	9.97	6.0	0.895	45.46	38.72	12.00	1105.00
502		7	31	1105.0	2314.8	103.7(	3.35)	82.6(	2.67)	0.0	15.25	2.84	6.0	0.895	45.46	10.66	12.00	1105.00
503		8	31	1103.7	2132.8	81.6(	2.63)	242.9(	7.84)	0.0	44.80	8.33	6.0	0.895	45.48	31.35	12.00	1104.34
504		9	30	1102.1	1932.9	158.6(	5.29)	343.3(	11.44)	0.0	64.99	11.70	6.0	0.895	45.78	45.77	12.00	1102.89
						416.1(	13.65)	393.1(	12.90)	0.0	57.89	13.08		0.895	1419.	1275.	12.00	1099.08
505	1982	10	31	1100.5	1752.2	189.8(	6.12)	362.9(	11.71)	0.0	65.00	12.25	6.1	0.895	46.22	46.22	12.00	1101.33
506		11	30	1098.8	1568.5	174.8(	5.83)	357.1(	11.90)	0.0	65.00	11.93	6.1	0.895	46.71	46.71	12.00	1099.66
507		12	31	1096.5	1369.3	171.3(	5.53)	370.4(	11.95)	0.0	65.00	12.22	6.1	0.895	47.31	47.31	12.00	1097.65
508		1	31	1094.1	1154.0	155.1(	5.00)	370.4(	11.95)	0.0	64.69	12.03	6.0	0.895	47.95	47.80	12.00	1095.32
509		2	28	1092.0	959.4	140.0(	5.00)	334.6(	11.95)	0.0	63.37	10.69	6.0	0.894	47.59	47.59	12.00	1093.04
510		3	31	1089.8	780.0	191.0(	6.16)	369.9(	11.93)	0.0	61.97	11.64	6.1	0.893	47.25	47.25	12.00	1090.90
511		4	30	1090.0	795.3	373.8(	12.46)	354.3(	11.81)	0.0	61.34	11.07	6.0	0.892	47.10	47.10	12.00	1089.94
512		5	31	1096.5	1370.4	945.6(	30.50)	363.3(	11.72)	0.0	62.54	11.63	6.0	0.894	47.63	46.88	12.00	1093.28
513		6	30	1097.5	1454.1	442.1(	14.74)	346.2(	11.54)	0.0	63.18	11.37	6.0	0.895	47.49	46.16	12.00	1097.03
514		7	31	1094.3	1173.0	89.4(	2.88)	354.0(	11.42)	0.0	62.07	11.55	6.0	0.895	47.84	45.68	12.00	1095.92
515		8	31	1090.7	848.9	46.4(	1.50)	356.0(	11.49)	0.0	60.94	11.34	6.0	0.893	47.51	45.94	12.00	1092.50
516		9	30	1087.1	545.3	74.9(	2.50)	348.8(	11.63)	0.0	60.10	10.82	6.0	0.892	46.93	46.50	12.00	1088.87
						249.5(	8.18)	357.3(	11.75)	0.0	62.93	11.54		0.894	1439.	1422.	12.00	1094.62
517	1983	10	31	1085.1	427.5	232.6(	7.50)	365.8(	11.80)	0.0	58.86	11.11	6.1	0.890	46.49	46.49	12.00	1086.09
518		11	30	1085.7	464.8	395.8(	13.19)	357.6(	11.92)	0.0	58.41	10.81	6.2	0.890	46.38	46.38	12.00	1085.39
519		12	31	1083.9	350.2	255.8(	8.25)	370.4(	11.95)	0.0	58.03	11.15	6.2	0.890	46.28	46.28	12.00	1084.80
520		1	31	1081.5	202.0	222.2(	7.17)	370.4(	11.95)	0.0	56.72	10.97	6.2	0.889	45.95	45.95	12.00	1082.72
521		2	29	1077.0	40.6	185.2(	6.39)	346.5(	11.95)	0.0	54.54	10.00	6.3	0.887	45.38	45.38	12.00	1079.25
522		3	31	1077.0	0.0	329.9(	10.64)	370.1(	11.94)	0.0	53.15	10.49	6.4	0.886	45.01	45.01	12.00	1077.00
523		4	30	1090.1	802.0	1435.2(	47.84)	630.0(	21.00)	0.0	57.24	18.78	10.9	0.889	46.08	46.08	12.00	1083.56
524		5	31	1104.9	2300.9	2963.0(	95.58)	1457.0(	47.00)	0.0	65.00	48.00	23.8	0.895	47.35	47.35	12.00	1097.51
525		6	30	1105.0	2314.8	810.2(	27.01)	780.0(	26.00)	0.0	65.00	26.77	13.7	0.895	45.45	45.45	12.00	1104.95
526		7	31	1104.7	2270.5	347.2(	11.20)	370.4(	11.95)	0.0	65.00	12.75	6.3	0.895	45.33	45.33	12.00	1104.84
527		8	31	1104.9	2295.1	415.5(	13.40)	370.4(	11.95)	0.0	65.00	12.77	6.3	0.895	45.25	45.25	12.00	1104.77
528		9	30	1104.2	2204.3	283.6(	9.45)	358.5(	11.95)	0.0	65.00	12.34	6.3	0.895	45.32	45.32	12.00	1104.54
						656.3(	21.47)	512.3(	16.78)	0.0	60.16	16.33		0.891	1399.	1399.	12.00	1091.28

*** 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	1103.4	2091.9	266.2(	8.59)	370.4(	11.95)	0.0	65.00	12.69	6.3	0.895	45.52	45.52	12.00	1103.79
530		11	30	1102.8	2022.4	290.5(	9.68)	358.5(	11.95)	0.0	65.00	12.23	6.3	0.895	45.72	45.72	12.00	1103.10
531		12	31	1101.9	1906.6	254.6(	8.21)	370.4(	11.95)	0.0	65.00	12.58	6.2	0.895	45.93	45.93	12.00	1102.36
532		1	31	1100.6	1757.2	221.1(	7.13)	370.4(	11.95)	0.0	65.00	12.50	6.2	0.895	46.25	46.25	12.00	1101.24
533		2	28	1099.5	1642.5	219.9(	7.85)	334.6(	11.95)	0.0	65.00	11.20	6.2	0.895	46.59	46.59	12.00	1100.05
534		3	31	1098.8	1573.5	302.1(	9.74)	370.4(	11.95)	0.0	65.00	12.33	6.1	0.895	46.85	46.85	12.00	1099.17
535		4	30	1104.9	2306.5	1608.8(	53.63)	870.0(	29.00)	0.0	65.00	29.46	15.1	0.895	46.06	46.06	12.00	1101.88
536		5	31	1105.0	2310.7	1342.6(	43.31)	1326.5(	42.79)	0.0	65.00	45.78	22.7	0.895	45.20	45.20	12.00	1104.96
537		6	30	1104.4	2236.8	300.9(	10.03)	358.5(	11.95)	0.0	65.00	12.34	6.3	0.895	45.33	45.33	12.00	1104.71
538		7	31	1102.7	2011.2	165.5(	5.34)	370.4(	11.95)	0.0	65.00	12.68	6.3	0.895	45.58	45.58	12.00	1103.59
539		8	31	1100.1	1702.1	80.6(	2.60)	370.4(	11.95)	0.0	65.00	12.51	6.2	0.895	46.20	46.20	12.00	1101.41
540		9	30	1098.1	1508.3	178.2(	5.94)	358.5(	11.95)	0.0	65.00	11.93	6.1	0.895	46.87	46.87	12.00	1099.11
						435.9(	14.34)	485.8(	15.94)	0.0	65.00	16.52		0.895	1399.	1399.	12.00	1102.11
541	1985	10	31	1097.1	1417.1	285.9(	9.22)	370.4(	11.95)	0.0	65.00	12.21	6.1	0.895	47.32	47.32	12.00	1097.62
542		11	30	1095.4	1276.1	218.7(	7.29)	358.5(	11.95)	0.0	65.00	11.72	6.0	0.895	47.74	47.74	12.00	1096.25
543		12	31	1094.0	1146.4	240.7(	7.77)	370.4(	11.95)	0.0	64.41	11.98	6.0	0.895	47.85	47.80	12.00	1094.71
544		1	31	1092.2	984.3	208.3(	6.72)	370.4(	11.95)	0.0	63.44	11.85	6.0	0.894	47.61	47.61	12.00	1093.14
545		2	28	1090.9	867.3	217.6(	7.77)	334.6(	11.95)	0.0	62.41	10.58	6.1	0.893	47.36	47.36	12.00	1091.57
546		3	31	1091.2	895.6	399.3(	12.88)	370.4(	11.95)	0.0	62.07	11.67	6.1	0.893	47.28	47.28	12.00	1091.06
547		4	30	1102.1	1934.7	1643.5(	54.78)	600.0(	20.00)	0.0	65.00	19.66	10.1	0.895	47.60	47.60	12.00	1096.68
548		5	31	1105.0	2311.4	1736.1(	56.00)	1348.6(	43.50)	0.0	65.00	46.14	22.9	0.895	45.59	45.59	12.00	1103.55
549		6	30	1105.0	2313.0	1307.9(	43.60)	1290.0(	43.00)	0.0	65.00	44.36	22.7	0.895	45.36	45.36	12.00	1104.98
550		7	31	1104.3	2213.1	291.7(	9.41)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.36	45.36	12.00	1104.63
551		8	31	1101.7	1882.2	59.7(	1.93)	370.4(	11.95)	0.0	65.00	12.63	6.3	0.895	45.75	45.75	12.00	1102.98
552		9	30	1100.1	1707.3	197.9(	6.60)	358.5(	11.95)	0.0	65.00	12.07	6.2	0.895	46.34	46.34	12.00	1100.91
						567.3(	18.66)	542.7(	17.84)	0.0	64.36	18.14		0.895	1422.	1422.	12.00	1098.17
553	1986	10	31	1100.0	1697.8	368.1(	11.87)	370.4(	11.95)	0.0	65.00	12.41	6.2	0.895	46.58	46.58	12.00	1100.09
554		11	30	1100.1	1707.2	369.2(	12.31)	358.5(	11.95)	0.0	65.00	12.01	6.2	0.895	46.58	46.58	12.00	1100.09
555		12	31	1098.9	1585.6	248.8(	8.03)	370.4(	11.95)	0.0	65.00	12.36	6.1	0.895	46.74	46.74	12.00	1099.54
556		1	31	1097.2	1429.2	214.1(	6.91)	370.4(	11.95)	0.0	65.00	12.25	6.1	0.895	47.17	47.17	12.00	1098.09
557		2	28	1093.4	1083.8	298.6(	10.66)	644.0(	23.00)	0.0	64.87	20.91	11.5	0.895	47.94	47.94	12.00	1095.30
558		3	31	1077.0	0.0	302.1(	9.74)	1385.4(	44.69)	0.0	58.27	41.81	23.1	0.890	46.34	46.34	12.00	1085.18
559		4	30	1080.6	151.2	1504.6(	50.15)	1350.3(	45.01)	0.0	54.26	38.81	23.8	0.887	45.31	45.31	12.00	1078.80
560		5	31	1105.0	2314.8	4039.4(	130.30)	1474.1(	47.55)	395.8	63.21	47.03	24.0	0.894	47.55	47.55	12.00	1092.80
561		6	30	1105.0	2314.8	917.8(	30.59)	900.0(	30.00)	1.5	65.00	30.94	15.9	0.895	45.37	45.37	12.00	1105.00
562		7	31	1103.9	2155.9	232.6(	7.50)	370.4(	11.95)	0.0	65.00	12.70	6.3	0.895	45.50	45.50	12.00	1104.43
563		8	31	1102.2	1939.2	173.6(	5.60)	370.4(	11.95)	0.0	65.00	12.63	6.3	0.895	45.74	45.74	12.00	1103.01
564		9	30	1100.7	1771.0	204.9(	6.83)	358.5(	11.95)	0.0	65.00	12.11	6.2	0.895	46.19	46.19	12.00	1101.44
						739.5(	24.21)	693.6(	22.83)	33.1	63.38	22.16		0.894	1412.	1412.	12.00	1096.98
565	1987	10	31	1099.4	1629.9	236.6(	7.63)	370.4(	11.95)	0.0	65.00	12.40	6.2	0.895	46.59	46.59	12.00	1100.05
566		11	30	1098.5	1539.5	269.4(	8.98)	358.5(	11.95)	0.0	65.00	11.92	6.1	0.895	46.93	46.93	12.00	1098.93
567		12	31	1096.7	1383.9	214.8(	6.93)	370.4(	11.95)	0.0	65.00	12.21	6.1	0.895	47.33	47.33	12.00	1097.58
568		1	31	1094.7	1214.0	200.6(	6.47)	370.4(	11.95)	0.0	64.87	12.07	6.0	0.895	47.90	47.80	12.00	1095.73
569		2	29	1092.8	1034.5	226.5(	7.81)	406.0(	14.00)	0.0	63.86	13.04	7.0	0.894	47.71	47.71	12.00	1093.78
570		3	31	1077.0	0.0	354.6(	11.44)	1388.6(	44.79)	0.0	58.10	41.82	23.2	0.890	46.30	46.30	12.00	1084.91
571		4	30	1080.7	155.3	1508.4(	50.28)	1350.0(	45.00)	0.0	54.09	38.72	23.9	0.887	45.26	45.26	12.00	1078.83
572		5	31	1097.8	1478.0	2784.4(	89.82)	1455.8(	46.96)	0.0	60.88	45.27	24.0	0.892	46.99	46.99	12.00	1089.24
573		6	30	1105.0	2314.8	2456.1(	81.87)	1386.4(	46.21)	220.1	65.00	46.80	24.0	0.895	46.21	46.21	12.00	1101.40
574		7	31	1104.9	2296.2	1180.4(	38.08)	1178.0(	38.00)	0.0	65.00	40.47	20.1	0.895	45.40	45.40	12.00	1104.93
575		8	31	1104.6	2251.7	346.5(	11.18)	370.4(	11.95)	0.0	65.00	12.74	6.3	0.895	45.35	45.35	12.00	1104.71
576		9	30	1104.2	2203.9	326.4(	10.88)	358.5(	11.95)	0.0	65.00	12.33	6.3	0.895	45.36	45.36	12.00	1104.38
						842.1(	27.61)	780.3(	25.56)	18.3	63.07	24.98		0.894	1416.	1416.	12.00	1096.20

*** 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	1104.6	2252.5	427.2(13.78)	370.4(11.95)	0.0	65.00	12.74	6.3	0.895	45.36	45.36	12.00	1104.38
578		11	30	1104.3	2215.6	323.1(10.77)	358.5(11.95)	0.0	65.00	12.33	6.3	0.895	45.35	45.35	12.00	1104.42
579		12	31	1103.5	2112.6	267.5(8.63)	370.4(11.95)	0.0	65.00	12.70	6.3	0.895	45.49	45.49	12.00	1103.91
580		1	31	1102.3	1961.6	219.4(7.08)	370.4(11.95)	0.0	65.00	12.63	6.3	0.895	45.76	45.76	12.00	1102.93
581		2	28	1101.0	1803.4	176.4(6.30)	334.6(11.95)	0.0	65.00	11.32	6.2	0.895	46.12	46.12	12.00	1101.67
582		3	31	1102.0	1920.2	488.0(15.74)	370.4(11.95)	0.0	65.00	12.52	6.2	0.895	46.17	46.17	12.00	1101.50
583		4	30	1104.9	2307.0	1533.3(51.11)	1140.0(38.00)	0.0	65.00	38.99	20.0	0.895	45.61	45.61	12.00	1103.47
584		5	31	1104.8	2292.1	492.9(15.90)	496.0(16.00)	0.0	65.00	17.05	8.5	0.895	45.39	45.39	12.00	1104.89
585		6	30	1103.0	2047.0	129.6(4.32)	358.5(11.95)	0.0	65.00	12.27	6.3	0.895	45.58	45.58	12.00	1103.93
586		7	31	1100.3	1724.7	67.9(2.19)	370.4(11.95)	0.0	65.00	12.53	6.2	0.895	46.13	46.13	12.00	1101.66
587		8	31	1096.8	1395.1	58.6(1.89)	370.4(11.95)	0.0	65.00	12.29	6.1	0.895	47.03	47.03	12.00	1098.57
588		9	30	1093.9	1130.8	106.2(3.54)	358.5(11.95)	0.0	64.70	11.65	6.0	0.895	47.95	47.80	12.00	1095.35
						357.5(11.77)	439.1(14.46)	0.0	64.98	14.92		0.895	1399.	1399.	12.00	1102.22
589	1989	10	31	1092.8	1029.8	275.2(8.88)	370.4(11.95)	0.0	63.55	11.86	6.0	0.894	47.63	47.63	12.00	1093.31
590		11	30	1091.6	924.3	254.1(8.47)	358.5(11.95)	0.0	62.80	11.39	6.0	0.893	47.45	47.45	12.00	1092.16
591		12	31	1090.3	818.9	265.0(8.55)	370.4(11.95)	0.0	61.99	11.66	6.1	0.893	47.26	47.26	12.00	1090.94
592		1	31	1087.8	617.1	168.6(5.44)	370.4(11.95)	0.0	60.76	11.50	6.1	0.892	46.96	46.96	12.00	1089.04
593		2	28	1085.2	436.0	153.5(5.48)	334.6(11.95)	0.0	59.12	10.20	6.2	0.891	46.56	46.56	12.00	1086.50
594		3	31	1086.1	498.8	433.7(13.99)	370.4(11.95)	0.0	58.60	11.22	6.2	0.890	46.43	46.43	12.00	1085.69
595		4	30	1093.3	1078.1	1753.2(58.44)	1170.0(39.00)	0.0	61.20	36.51	19.9	0.892	47.07	47.07	12.00	1089.72
596		5	31	1104.9	2299.2	2686.1(86.65)	1457.0(47.00)	0.0	65.00	48.27	24.0	0.895	47.09	47.09	12.00	1099.09
597		6	30	1105.0	2314.8	741.0(24.70)	709.1(23.64)	0.0	65.00	24.36	12.5	0.895	45.42	45.42	12.00	1104.94
598		7	31	1105.0	2314.8	329.5(10.63)	308.5(9.95)	0.0	56.90	10.58	6.0	0.895	45.46	39.80	12.00	1105.00
599		8	31	1105.0	2314.8	135.4(4.37)	114.7(3.70)	0.0	21.16	3.94	6.0	0.895	45.46	14.80	12.00	1105.00
600		9	30	1105.0	2314.8	155.1(5.17)	139.2(4.64)	0.0	26.53	4.78	6.0	0.895	45.46	18.56	12.00	1105.00
						612.5(20.06)	506.1(16.64)	0.0	55.22	16.36		0.893	1415.	1254.	12.00	1095.53
						7588.5(248.76)	7298.9(239.84)	195.9	765.29	241.53		0.894	16879.	16798.	12.00	1099.42

N= 1 PMAX= 65.00 E= 241.51 ESUM= 241.53
PF100= 15.25 PF95= 57.77 PF90= 60.88
EF100= 33.39 EF95= 126.51 EF90= 133.34
ES100= 208.12 ES95= 115.00 ES90= 108.18
UF = 42.339 (%) QUMAX = 47.986

*** SEMW *** N= 1

1	65.00	2	65.00	3	65.00	4	65.00	5	65.00	6	65.00	7	65.00	8	65.00	9	65.00	10	65.00
11	65.00	12	65.00	13	65.00	14	65.00	15	65.00	16	65.00	17	65.00	18	65.00	19	65.00	20	65.00
21	65.00	22	65.00	23	65.00	24	65.00	25	65.00	26	65.00	27	65.00	28	65.00	29	65.00	30	65.00
31	65.00	32	65.00	33	65.00	34	65.00	35	65.00	36	65.00	37	65.00	38	65.00	39	65.00	40	65.00
41	65.00	42	65.00	43	65.00	44	65.00	45	65.00	46	65.00	47	65.00	48	65.00	49	65.00	50	65.00
51	65.00	52	65.00	53	65.00	54	65.00	55	65.00	56	65.00	57	65.00	58	65.00	59	65.00	60	65.00
61	65.00	62	65.00	63	65.00	64	65.00	65	65.00	66	65.00	67	65.00	68	65.00	69	65.00	70	65.00
71	65.00	72	65.00	73	65.00	74	65.00	75	65.00	76	65.00	77	65.00	78	65.00	79	65.00	80	65.00
81	65.00	82	65.00	83	65.00	84	65.00	85	65.00	86	65.00	87	65.00	88	65.00	89	65.00	90	65.00
91	65.00	92	65.00	93	65.00	94	65.00	95	65.00	96	65.00	97	65.00	98	65.00	99	65.00	100	65.00
101	65.00	102	65.00	103	65.00	104	65.00	105	65.00	106	65.00	107	65.00	108	65.00	109	65.00	110	65.00
111	65.00	112	65.00	113	65.00	114	65.00	115	65.00	116	65.00	117	65.00	118	65.00	119	65.00	120	65.00
121	65.00	122	65.00	123	65.00	124	65.00	125	65.00	126	65.00	127	65.00	128	65.00	129	65.00	130	65.00
131	65.00	132	65.00	133	65.00	134	65.00	135	65.00	136	65.00	137	65.00	138	65.00	139	65.00	140	65.00
141	65.00	142	65.00	143	65.00	144	65.00	145	65.00	146	65.00	147	65.00	148	65.00	149	65.00	150	65.00
151	65.00	152	65.00	153	65.00	154	65.00	155	65.00	156	65.00	157	65.00	158	65.00	159	65.00	160	65.00
161	65.00	162	65.00	163	65.00	164	65.00	165	65.00	166	65.00	167	65.00	168	65.00	169	65.00	170	65.00

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	58.88	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

Olur Project

* MONTHLY QQ (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	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

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ﾀｲﾄﾙ :  OLTU RIVER AYVALI PROJECT

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 ﾁﾖｽｲﾘｮｳ   (VMAXO) :     0.15000E+09
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) :  1736.11
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    -0.1545000D+01  0.3083450D+04 -0.1523111D+07
 8  9999.00  9999.00     0.0            0.0            0.0

ｼﾞｮｳﾊﾂﾘｮｳ    * EM   = 66.80 13.60  0.0   0.0   0.0   7.60 60.10100.90138.60176.00171.80131.90
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タイトル : OLTU RIVER AYVALI リュウニュウリヨウ データ

Ayyali Project

NO.	ネン	10カツ	11カツ	12カツ	1カツ	2カツ	3カツ	4カツ	5カツ	6カツ	7カツ	8カツ	9カツ
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 クバンスウ * KMAX = 600
チヨスイ クバンスウ * IMAX = 37
チヨスイ クバンリヨウ * DELTS = 50.0 (TD)
ホウリユウ クバンスウ * LMAX = 27
ホウリユウ クバンリヨウ * DELTQ = 2.0 (TD)
サイテイ ホウリユウリヨウ * QMINO = 16.62 (TD)

チヨスイ 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)

チヨスイ クバン & 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)											

ホウリユウ クバン * 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	925.75
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 ***

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)
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