

Daily System Generation Summary on Sunday

Sunday, May 23, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,286 MW
Distillate	0 MW
Total TNB	2,286 MW
Total IPP	17,429 MW
Total Co-Gen	0 MW
Total System	23,111 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,181	3.88 %
Gas	53,667	15.80 %
Total TNB	66,848	19.69 %
ST-Coal	209,401	61.67 %
LSS	3,399	1.00 %
Gas	59,886	17.64 %
Total IPP	272,686	80.30 %
Co-Gen	155	0.05 %
Total Co-Gen	155	0.05 %
Total Generation	339,689	100.03 %
PLTG	-612	-0.18 %
HVDC	726	0.21 %
Interconnection	114	0.03 %
Net Energy	339,575	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,686 MW
TNB Generation	3,719 MW
IPP Generation	12,869 MW
Spinning Reserve	1,092 MW
Maximum Demand	16,590 MW
Net Energy	339,575 MWH
Load Factor	85.29 %

Fuel Cost

Total Cost:	48,583,757.62 RM
Cost per Unit	14.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	332
Hydro	375
Syncon	340
Thermal	545
Total	1,592

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	5
TJGS	216
Total TNB	251
CBPS	54
NPRI	157
PLPS	46
Total IPP	257
Total Gas	508
Total Gas Required	508

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14906	14331	13767	13316	12974	12665	12585	12300	11842	12468	13165	13641	13789	13938	14505	14833	14927	14819	14418	14888	16446	16522	16159	16010

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 10:00:40 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																									
JMAH	U001	694	695	693	693	691	693	692	692	546	450	400	404	319	301	256	209	212	208	212	211	211	210	211	225	370	457	450	498	556	603	669	692	694	691	642	602	500	501	605	693	693	692	693	694	696	694	693	691	
JMAH	U002	701	693	695	694	693	695	693	691	525	474	408	404	311	304	217	214	214	211	213	214	214	213	213	225	382	455	455	511	552	606	670	696	699	696	616	606	506	505	599	691	696	697	701	695	697	690	699	693	
JMHE	U001	983	980	983	899	868	848	852	781	781	780	780	781	780	778	778	781	784	779	778	780	798	870	867	868	867	872	868	866	915	921	919	919	920	920	922	921	916	923	959	979	981	980	976	976	979	978	978	979	
JMHE	U002	983	980	983	900	874	847	850	784	781	780	778	782	783	780	779	780	784	777	781	783	803	868	868	869	868	870	869	866	920	918	920	918	916	923	923	919	914	923	975	981	980	977	978	980	978	984	979	978	
JMJG	U001	660	663	662	664	660	649	658	657	653	660	657	656	658	661	657	657	570	542	573	610	666	657	668	670	667	673	663	671	666	671	663	648	645	649	648	643	649	644	650	645	644	643	647	645	646	645	650		
JMJG	U002	668	677	672	675	677	673	674	670	672	677	677	667	671	674	668	671	557	551	590	608	676	673	668	675	671	672	671	671	679	675	676	669	672	672	681	671	672	669	667	539	551	461	398	359	356	339	310	313	
JMJG	U003	666	660	667	664	604	494	502	508	503	506	506	504	506	506	510	508	506	505	506	503	506	507	505	506	508	503	507	509	503	503	506	506	504	508	495	491	513	595	597	605	670	659	660	667	663	668			
JMJG	U005	888	888	892	891	876	800	804	804	804	805	803	806	804	805	806	801	803	800	806	806	804	806	803	801	794	804	804	801	801	807	804	805	806	801	804	801	804	801	804	798	828	891	894	891	892	889	892	895	892
PKLG	U004	259	272	275	273	276	181	152	157	157	152	158	157	158	158	156	157	157	154	155	157	154	155	157	154	155	157	156	154	154	156	156	157	159	156	159	157	158	154	158	159	261	274	276	277	273	275	276	273	278
PKLG	U006	434	449	447	446	450	367	358	319	281	280	279	276	277	278	279	279	276	279	280	280	278	280	280	278	278	278	276	280	277	278	279	277	280	277	280	278	280	277	290	371	438	450	447	446	450	450	448	449	
TBIN	U001	691	690	690	691	690	690	690	687	690	682	547	551	550	549	421	348	352	347	381	399	456	499	555	646	685	690	648	693	686	691	691	689	689	689	687	688	648	657	692	690	690	688	689	708	689	692	687	688	
TBIN	U002	691	693	694	692	693	691	694	695	694	686	549	556	553	552	403	347	357	349	372	403	447	504	558	634	688	683	650	688	699	695	691	694	690	693	692	691	651	657	693	691	690	690	688	694	691	687	692	691	
TBIN	U003	691	690	690	692	690	695	687	691	688	686	550	552	554	553	436	345	351	351	370	401	472	499	554	622	681	691	654	693	694	695	696	694	692	695	692	693	652	654	690	690	691	692	691	691	690	691	693	691	
TBIN	U004	983	984	983	920	895	853	853	786	782	782	784	787	785	783	782	783	783	783	783	783	790	873	875	874	873	874	873	921	924	924	924	924	924	923	922	923	923	924	945	981	983	983	982	986	984	983	983	983	
Total ST-Coal		9992	10014	10026	9794	9637	9176	9159	8922	8557	8405	7870	7884	7708	7682	7150	6879	6706	6637	6802	6937	7276	7612	7780	8049	8486	8681	8544	8768	9029	9149	9262	9287	9289	9294	9170	9102	8764	8781	9265	9698	9802	9725	9729	9698	9680	9669	9638	9644	
Total ST-Oil		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total ST-Gas		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CBPS	BLK2	351	357	357	356	346	361	362	353	360	356	363	359	364	357	359	351	357	356	361	361	364	356	363	364	356	362	359	360	359	360	361	361	362	362	361	356	363	363	358	355	361	364	357	360	353	360	362	364	
EMPP	BLK1	725	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	178	402	733	734	739	740	743	746	737	731	744	740	728	729	746	741	731	730	725	747	746	742		
GLGR	GT01	97	94	96	95	96	97	96	96	95	95	95	95	97	95	95	95	95	96	95	95	95	96	95	95	94	95	95	95	97	96	96	97	97	96	96	95	97	109	110	111	110	109	109	109	109	109			
GLGR	ST1C	41	41	41	41	41	41	41	41	41	40	41	40	41	40	41	40	40	41	39	40	40	40	40	40	41	41	40	41	41	41	41	41	41	41	41	41	41	45	47	47	46	46	46	46	46	46			
NPRI	BLK1	506	515	511	511	501	518	514	506	520	512	519	518	521	509	457	495	509	495	509	511	508	508	510	520	502	503	508	504	505	509	509	511	517	508	506	505	512	514	504	502	509	511	500	500	499	508	511	503	
NPRI	BLK2	406	514	494	490	472	516	512	487	516	508	517	516	515	490	518	478	520	484	514	518	517	514	517	524	509	507	514	507	514	518	518	520	515	512	498	516	517	509	490	518	518	490	498	486	516	517	511		
PCGP	PGRG	586	599	589	587	575	602	595	588	601	593	601	600	603	589	601	581	602	584	596	601	601	600	603	616	591	594	599	591	244	245	246	246	259	311	602	597	605	608	592	591	601	604	589	593	588	603	604	594	
PLPS	GT12	114	149	99	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	0	0	0	0	0	0	0	5	91	143	144	141	141	140	145	145	145			
PLPS	GT13	102	128	128	127	124	125	125	124	125	124	125	125	126	124	125	124	125	125	124	125	125	125	124	125	125	125	125	124	124	125	123	125	125	126	125	125	123	123	123	123	119	120	119	122	122	122			
PLPS	ST18	132	144	136	60	57	58	58	57	58	58	57	58	57	58	57	58	57	58	57	57	58	57	58	57	57	57	57	58	56	58	57	57	57	57	57	57	57	57	58	118	142	139	135	134	133	133	139	141	
SPGP	BLK1	0	0	0	0	191	192	224	298	306	432	713	719	715	718	717	718	719	718	719	719	719	717	715	719	715	713	714	715	715	714	710	711	712	711	715	716	717	716	717	719	720	718	718	718	719	719	719		
SPGP	BLK2	0	0	0	0	0	0	0	0	0	0	0	82	273	719	718	717	717	717	717	717	720	719	718	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
TJGS	GT1A	214	193	196	223	226	227	227	226	226	226	227	227	227	227	194	197	161	212	220	228	228	228	229	226	228	226	226	228	225	229	228	225	225	228	226	225	225	225	225	226	225	226	226	223	226	226	226		
TJGS	GT1B	203	181	185	214	215	211	211	214	214	216	216	216	215	216	186	185	151	202	205	216	216	216	214	211	216	212	212	212	217	214	212	217	216	214	214	217	214	216	214	215	213</								

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																										
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	62	62	-1	-1	-1	-1								
KNRG	HY01	22	37	36	36	36	36	36	36	36	36	0	0	0	0	0	38	38	38	38	38	38	22	22	23	0	0	0	0	0	0	0	0	0	22	36	36	36	36	36	36	36	36	36							
KNRG	HY02	20	38	37	37	37	37	37	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	37	37	37	37	37	37	37	37	37								
KNRG	HY03	22	36	36	36	36	36	36	36	36	36	38	38	38	38	38	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	0	0	0						
KNYR	HY01	-1	58	57	97	53	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	-1	-1	-1	-1	-1	111	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	100	100	99	98	97	98	98	100	99									
KNYR	HY02	55	86	58	59	57	99	59	58	96	61	81	78	98	58	99	57	61	57	61	99	97	65	62	103	78	59	61	63	60	100	95	100	102	96	61	60	97	102	61	57	72	100	58	57	57	59	99	59		
KNYR	HY03	54	58	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	0	0	0	0	0	0	0	0	72	55	100	99	98	96	96	97	99	98				
KNYR	HY04	54	100	58	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	59	57	60	-1	-1	101	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	103	102	-1	-1	-1	-1	-1	97	102	102	100	98	98	99	101	100			
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19					
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19					
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
PGAU	HY01	21	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	20	19	21	21	21	21	21	21	21	21			
PGAU	HY03	21	21	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	0	0	0	0	0	0	0	0	0	0	20	21	21	21	21	21	21	21	21			
PGAU	HY04	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SIHY	HY01	31	30	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SIHY	HY02	31	30	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SIHY	HY03	31	30	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SYPS	HY01	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SYPS	HY02	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SYPS	HY03	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SYPS	HY04	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TMGR	HY01	31	35	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY02	41	75	42	43	41	82	43	42	84	46	72	63	86	43	87	40	60	42	45	88	87	54	46	88	62	43	46	45	43	86	84	88	88	82	46	44	84	88	44	45	54	87	42	42	42	45	84	44		
TMGR	HY04	31	34	32	32	29	34	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UPIA	HY01	5	5	6	6	5	5	6	6	6	5	6	5	6	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
Total Hydro		562	789	511	613	384	420	340	304	385	310	357	294	329	244	327	225	250	490	363	442	442	316	305	758	545	393	365	309	303	387	378	388	494	584	366	363	425	453	595	1088	1169	1228	1261	1257	1191	1105	967	792		
Total Distillate		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	11	15	17	20	22	23	25	27	15	27	26	23	23	22	18	17	7	11	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	9	11	23	24	27	23	17	27	30	24	24	24	21	19	24	6	9	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	14	21	17	23	23	30	30	23	22	24	23	15	23	15	21	18	8	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	10	16	20	17	34	32	41	28	37	44	43	28	36	37	36	23	26	20	11	11	5	2	1	0	0	0	0	0	0	0	0	0	0	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	13	17	15	21	22	20	41	29	42	39	38	37	31	30	27	27	23	9	12	5	2	1	0	0	0	0	0	0	0	0	0	0		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	13	16	18	22	12	14	10	7	20	8	30	27	25	24	21	17	14	7	2	0	0	0	0	0	0	0	0	0	0	0	0		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	14	25	22	31	26	37	41	25	24	36	31	32	24	25	19	17	12	7	4	1	0	0	0	0	0	0	0	0	0	0		
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	11	22	20	26	27	7	10	22	47	46	43	24	33	26	21	27	18	13	11	3	1	0	0	0	0	0	0	0	0	0	0		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	22	28	25	34	36	34	29	41	41	28	27	24	19	31	23	17	11	8	4	2	1	0	0	0	0	0	0	0	0	0	0		
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6	17	11	13	29	28	30	21	24	17	17	13	26	30	16	16	13	11	10	8	5	1	0	0	0	0								

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
Total Gen		14895	14660	14308	14049	13772	13491	13306	13135	12937	12799	12624	12576	12529	12537	12292	11892	11813	12177	12452	12756	13139	13403	13601	13671	13786	13842	13929	14296	14531	14761	14851	14827	14919	15045	14869	14692	14435	14439	14979	16018	16459	16594	16539	16439	16204	16143	16000	15794			
TIE-EGAT		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		31	30	30	31	31	30	30	30	31	31	30	30	30	30	31	31	30	30	30	30	31	31	31	31	31	29	29	31	31	30	30	31	31	30	30	30	30	31	31	30	30	31	29	31	31	29	31	31	29	31	31
TIE-PLTG		-31	-59	-42	-62	-15	-51	-30	-19	-57	-10	-61	-64	-75	6	-28	-37	-50	-9	-35	-42	-45	-70	-61	-127	-24	-18	-27	-7	6	-36	-1	-23	-27	-51	30	-22	-3	-21	71	50	-7	-17	-2	-20	24	-3	-31	9			
Interconnection		0	-29	-12	-31	16	-21	0	10	-27	21	-30	-34	-45	36	2	-6	-19	21	-5	-12	-15	-39	-30	-96	7	11	2	24	37	-6	29	8	3	-21	60	8	27	9	101	80	23	14	27	11	55	26	0	40			
System Total		14906	14700	14331	14091	13767	13523	13316	13135	12974	12788	12665	12621	12585	12512	12300	11908	11842	12166	12468	12779	13165	13453	13641	13777	13789	13841	13938	14283	14505	14778	14833	14830	14927	15077	14819	14694	14418	14440	14888	15948	16446	16590	16522	16438	16159	16127	16010	15764			
SRev ST-Coal		197	175	163	395	472	626	620	623	750	755	924	933	932	893	900	902	1014	1016	1015	995	917	926	923	891	759	739	861	734	671	655	588	524	527	520	629	661	783	760	514	305	183	238	130	161	139	150	181	175			
SRev CCGT-Gas		478	236	323	235	326	183	419	319	234	294	200	200	205	336	501	548	522	396	239	201	201	220	205	155	247	237	224	244	574	556	561	546	532	502	218	250	196	180	363	307	166	158	243	236	269	188	161	194			
SRev LSS		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev ST-Gas		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev OCGT-Gas		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		363	252	252	252	591	702	702	789	789	789	789	789	789	789	789	789	789	300	411	411	411	512	512	87	314	425	512	512	512	512	512	512	411	300	401	401	638	638	638	252	252	252	0	0	126	252	252	252			
Hydro		698	582	460	382	248	101	182	131	50	125	77	84	49	134	52	130	105	204	194	115	115	140	152	124	410	491	431	297	303	219	228	218	213	234	352	355	181	303	514	582	501	442	661	665	605	565	603	628			
S.Reserve Total		1736	1245	1198	1265	1637	1612	1923	1862	1823	1963	1990	2006	1975	2152	2242	2369	2430	1916	1859	1722	1644	1798	1792	1257	1730	1892	2028	1827	2060	1942	1889	1800	1683	1556	1600	1667	1798	1881	2029	1446	1133	1094	1035	1135	1200	1155	1197	1249			