

Daily System Generation Summary on Saturday

Saturday, July 04, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	2,275 MW
Total IPP	16,232 MW
Total Co-Gen	0 MW
Total System	21,330 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,345	3.87 %
Gas	36,361	10.55 %
Total TNB	49,706	14.42 %
ST-Coal	219,245	63.61 %
LSS	2,152	0.62 %
Gas	74,264	21.55 %
Total IPP	295,661	85.78 %
Co-Gen	238	0.07 %
Total Co-Gen	238	0.07 %
Total Generation	345,605	100.27 %
PLTG	219	0.06 %
HVDC	723	0.21 %
Interconnection	942	0.27 %
Net Energy	344,663	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:	20:00:00 Hour
Total Set On Bus	17,099 MW
TNB Generation	2,780 MW
IPP Generation	12,829 MW
Spinning Reserve	1,472 MW
Maximum Demand	15,664 MW
Net Energy	344,663 MWH
Load Factor	91.68 %

Fuel Cost

Total Cost:	50,920,464.06 RM
Cost per Unit	14.73 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	657
Hydro	583
Syncon	569
Thermal	258
Total	2,067

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	210
Total TNB	259
CBPS	54
KLPP	54
NPRI	157
PGLA	74
PLPS	5
SGB3	81
SKSP	9
YPKA	3
Total IPP	436
Total Gas	695
Total Gas Required	695

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	15196	14594	14086	13647	13215	13041	12980	12828	12444	13493	14271	14789	14773	14623	15048	15152	15104	14868	14401	14461	15664	15494	15139	14972

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 04, 2020 1:12:36 PM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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	693	691	691	693	692	693	693	693	693	693	693	693	694	696	691	693	694	692	694	694	693	693	692	693
JMAH	U002	699	695	693	696	695	694	692	695	693	694	691	697	695	693	695	693	695	695	695	695	694	695	687	689
JMHE	U001	982	982	929	936	846	778	779	780	781	780	777	777	781	784	779	778	782	777	777	940	941	941	938	939
JMHE	U002	981	980	930	936	847	778	779	779	781	782	779	778	780	784	779	777	779	776	778	942	940	940	940	939
JMIG	U001	674	672	672	672	672	668	670	672	676	671	673	672	671	672	671	669	672	667	673	668	662	673	673	672
JMIG	U002	662	667	667	666	666	667	668	667	636	625	629	629	621	627	633	671	677	672	682	682	678	679	683	678
JMIG	U003	668	667	667	668	668	668	668	668	668	675	667	666	669	668	671	671	670	665	668	669	673	668	671	668
PKLG	U003	283	282	282	283	282	281	281	282	257	149	150	142	228	263	264	265	263	264	261	261	259	261	261	260
PKLG	U004	280	280	280	281	279	279	280	281	278	277	279	278	279	283	280	280	279	280	279	277	280	280	278	280
PKLG	U005	465	468	468	467	466	467	468	466	466	468	466	466	468	466	465	466	466	466	465	466	466	467	468	466
TBIN	U001	687	688	687	688	687	690	687	688	687	689	687	688	687	687	687	687	687	687	687	686	686	687	688	687
TBIN	U002	691	678	690	692	691	691	691	692	689	691	691	690	691	692	691	691	693	690	689	691	691	692	692	691
TBIN	U003	694	690	693	690	692	691	690	691	692	692	690	694	689	696	687	693	687	691	692	691	693	692	689	691
TBIN	U004	983	924	903	902	816	783	782	782	782	783	781	782	782	784	782	781	782	782	804	891	943	941	944	941
Total ST-Coal		9442	9364	9252	9270	8999	8828	8828	8835	8780	8667	8657	8651	8732	8793	8776	8816	8826	8804	8844	9254	9304	9300	9310	9310
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
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
CBPS	BLK2	361	367	354	356	357	361	359	360	360	367	357	359	359	358	361	261	223	261	298	355	362	364	362	361
GLGR	GT01	101	68	68	69	68	68	67	67	69	69	68	67	69	70	67	68	70	68	80	101	102	100	102	68
GLGR	GT02	101	68	68	68	68	68	68	68	69	69	68	68	68	69	69	68	68	81	101	101	101	101	67	68
GLGR	ST1C	89	72	70	71	70	71	70	70	71	70	71	71	71	71	71	74	89	89	90	90	75	70	71	71
KLPP	GT13	138	137	137	138	133	133	133	133	133	133	133	132	134	134	134	134	132	133	133	131	130	130	130	130
KLPP	GT14	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	154	152	124	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	ST17	170	129	123	91	53	53	51	51	53	53	51	51	53	50	52	52	52	50	53	53	51	51	51	46
NPRI	BLK1	514	524	506	512	511	520	508	515	511	520	509	502	506	515	515	503	483	521	528	509	529	499	508	527
NPRI	BLK2	517	527	509	515	514	523	510	518	513	523	512	508	509	518	518	387	315	518	517	516	520	514	516	521
PCGP	PGRG	551	567	543	548	548	561	545	551	548	510	496	490	492	503	449	438	451	534	602	551	532	531	532	538
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT12	254	257	248	252	253	256	248	254	251	256	253	252	249	180	184	180	184	184	184	184	261	256	256	255
PGLA	ST10	111	113	108	108	110	113	111	111	111	111	109	109	91	89	88	88	89	89	89	89	107	113	113	113
PLPS	GT11	112	127	124	123	124	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	131	60	55	55	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	137	137	110	109	112	118	112	114	113	116	113	112	110	112	114	109	113	113	113	118	138	139	138	138
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	78	140	140	134	
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	112	140	139	139	139	
SGB3	ST34	71	72	65	66	66	65	65	65	65	66	66	66	66	65	65	66	66	66	66	121	146	146	217	
SKSP	BLK1	216	341	285	284	285	344	281	217	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	0	0	0	0	0
TJGS	GT1A	195	226	226	228	226	224	227	210	200	231	194	197	189	202	226	147	151	181	234	188	216	229	224	
TJGS	GT1B	177	216	215	214	214	214	215	198	184	212	185	190	176	192	216	129	135	170	219	180	204	213	214	
TJGS	ST1C	225	243	246	246	246	246	246	228	221	234	215	209	207	208	211	179	179	185	244	202	221	238	242	
TJGS	GT2A	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217
TJGS	GT2B	214	214	214	214	215	215	215	214	214	214	215	215	215	179	142	142	142	211	211	212	210	209	210	
TJGS	ST2C	260	260	260	260	260	260	260	260	260	260	260	260	260	240	215	211	211	257	257	257	257	257	257	257
YPKA	GT21	125	87	67	67	67	68	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily MW Generation on Saturday

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																									
YPKA	ST20	57	45	40	40	40	40	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
Total CCGT-Gas		5348	5237	4993	4888	4824	4792	4626	4434	4274	4242	4106	4087	4068	3985	3926	3461	3364	3907	4250	4288	4546	4614	4759	4720	4629	4642	4543	4744	4822	4866	4858	4943	4866	4990	4742	4614	4485	4492	4522	4784	5037	5034	5120	5195	4851	4778	4967	5000	
Total 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
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24			
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	-1	64	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	-1	-1	-1	62	62	61	-1	64	64	64	-1	-1	-1	124	125	125	125	125	125	125	125	125	125	125	125	125			
KNRG	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	0	0	
KNRG	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	0	0	
KNRG	HY03	37	26	25	25	25	26	25	25	26	25	25	25	25	25	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
KNYR	HY01	98	99	97	97	98	100	99	66	63	91	64	63	62	62	65	61	73	76	78	66	64	65	65	99	76	81	67	94	89	89	83	96	91	99	66	96	97	95	97	97	97	96	65	71	64	64	99	97	
KNYR	HY02	99	99	98	-1	-1	-1	-1	-1	36	99	98	56	-1	-1	-1	-1	99	85	62	74	66	74	91	76	73	64	74	97	97	97	97	97	97	97	60	58	59	97	97	97	97	-1	-1	-1	98	97	97	97	
KNYR	HY04	99	99	99	58	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	99	100	100	100	99	99	99	99	99	99	99	99	99	60	58	59	99	99	99	99	59	59	59	59	99	99	99	98	
LPIA	HY01	15	15	15	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
LPIA	HY02	16	16	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
MNOR	HY01	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	4	4	6	6	6	6	6	6	7	7	7	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	109	82
PGAU	HY03	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
SIHY	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	0	0	
SIHY	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	0	0	
SIHY	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	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	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	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	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	0	0	
TMGR	HY01	-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	-1	-1	-1	-1	-1	-1	
TMGR	HY02	34	34	33	34	34	34	34	34	34	34	33	33	34	34	33	34	34	34	34	34	34	34	34	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
TMGR	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	0	0	
TMGR	HY04	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	-1	-1	-1	-1	-1	
UJLI	HY01	-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	-1	-1	-1	-1	-1	-1	
UJLI	HY02	-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	-1	-1	-1	-1	-1	-1	
UPIA	HY01	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	5	5	
UPIA	HY02	3	4	4	4	4	4	4	4	4	4	3	4	3	3	3	3	3	3	4	3	4	4	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Total Hydro		477	499	443	286	286	230	228	196	193	259	294	290	247	212	216	189	204	330	296	261	270	490	498	611	596	500	527	581	694	695	684	637	696	705	747	637	588	572	652	924	1168	1171							

Daily MW Generation on Saturday

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	30	60	122	142	189	222	263	265	292	300	291	229	283	294	304	275	214	174	134	107	59	33	14	3	0	0	0	0	0	0	0	0
PCUF	CUFG	4	3	2	5	4	4	3	3	4	2	3	3	4	6	3	3	3	4	4	4	5	3	4	3	2	4	3	4	4	35	33	35	37	4	4	5	3	2	2	5	14	4	4	6	4	4	6	
PCUF	CUFK	3	3	3	4	3	4	3	3	4	3	3	2	4	5	1	4	4	3	2	3	4	3	2	3	4	4	4	5	3	5	3	5	4	4	3	4	4	2	2	4	4	3	2	5	2	3	4	3
Total Co-Gen		7	6	5	9	7	8	6	6	8	5	6	5	8	11	4	7	7	7	6	7	9	6	6	6	6	8	7	9	7	40	36	40	41	8	7	9	7	4	4	9	18	7	6	11	6	7	8	9
Total Gen		15274	15106	14693	14453	14116	13858	13688	13471	13255	13173	13063	13033	13055	13001	12922	12480	12431	13108	13518	13952	14318	14632	14836	14912	14828	14749	14668	14867	15100	15192	15191	15193	15130	15185	14946	14666	14400	14390	14481	15147	15627	15627	15491	15452	15149	15206	14984	14949
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			
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	31	29	31	29	31	31	30	30	31	31	30	31	31	31	31	29	29	30	30	30	30	31	31	30	30	31	31	30	30	30	31		
TIE-PLTG		55	24	76	20	7	-20	19	43	17	-17	-1	53	52	7	72	18	-35	50	3	47	23	30	24	-31	31	9	22	-22	28	7	15	-1	4	-4	54	-9	-24	12	-4	-58	-60	-34	-27	-27	-13	31	-11	-19
Interconnection		85	54	106	50	37	10	48	73	47	13	29	84	82	36	101	48	-6	81	32	79	54	60	54	0	62	39	52	9	59	38	46	28	33	26	85	21	6	43	27	-28	-30	-3	4	2	17	60	19	12
System Total		15196	15059	14594	14410	14086	13855	13647	13405	13215	13167	13041	12956	12980	12972	12828	12439	12444	13034	13493	13880	14271	14579	14789	14919	14773	14717	14623	14865	15048	15161	15152	15172	15104	15166	14868	14652	14401	14354	14461	15182	15664	15637	15494	15457	15139	15153	14972	14944
SRev ST-Coal		143	221	333	315	395	396	394	391	449	459	460	461	469	444	448	342	399	413	397	320	278	282	272	272	277	283	282	278	288	285	273	284	269	274	266	283	321	293	293	155	178	167	165	160	165	177	158	141
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		
SRev CCGT-Gas		887	702	946	1051	962	994	1017	1079	1239	856	992	1011	1030	1113	1172	1637	1734	1191	991	942	803	735	590	792	883	870	969	768	546	502	510	425	502	378	626	754	883	876	999	593	440	509	423	348	592	665	476	443
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	
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	
SRev Co-Gen		4	5	6	2	4	3	5	5	3	6	5	6	3	0	7	4	4	4	3	2	1	2	3	2	1	1	1	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	1	-1	0	0	0	0
Syncon		1040	1001	976	1228	1228	1329	1329	1329	1329	1228	1228	1228	1178	1178	1329	1329	1077	1228	1228	1228	651	651	525	374	587	587	587	374	374	462	588	462	462	462	588	739	826	826	462	88	88	376	563	376	275	175	175	
Hydro		146	163	244	149	149	104	106	138	141	176	141	145	188	273	269	145	130	256	139	174	165	522	514	527	693	576	624	595	695	694	704	625	692	683	771	755	645	574	494	586	766	788	723	660	796	756	457	543
S.Reserve Total		2220	2092	2505	2745	2738	2826	2851	2942	3161	2725	2826	2851	2918	3008	3074	3457	3596	2941	2758	2666	2475	2192	2030	2118	2228	2317	2463	2228	1905	1855	1949	1922	1925	1797	2125	2380	2589	2569	2612	1796	1473	1552	1688	1730	1929	1873	1266	1302