

Daily System Generation Summary on Saturday

Saturday, August 6, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,512 MW
Distillate	0 MW
Total TNB	2,512 MW
Total IPP	19,517 MW
Total Co-Gen	0 MW
Total System	25,670 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,459	6.49 %
Gas	34,732	10.03 %
Total TNB	57,191	16.52 %
ST-Coal	217,918	62.93 %
LSS	5,404	1.56 %
Gas	65,426	18.89 %
Total IPP	288,748	83.39 %
Co-Gen	585	0.17 %
Total Co-Gen	585	0.17 %
Total Generation	346,524	100.07 %
PLTG	-457	-0.13 %
HVDC	716	0.21 %
Interconnection	259	0.07 %
Net Energy	346,265	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,268 MW
TNB Generation	3,096 MW
IPP Generation	13,097 MW
Spinning Reserve	2,045 MW
Maximum Demand	16,222 MW
Net Energy	346,265 MWH
Load Factor	88.94 %

Fuel Cost

Total Cost:	119,061,092.85 RM
Cost per Unit	34.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,396
Hydro	332
Syncon	675
Thermal	426
Total	2,829

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	54
Total TNB	83
CBPS	50
EMPP	205
NPRI	106
PCGP	64
SPGP	152
Total IPP	576
Total Gas	659
Total Gas Required	659

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	14837	14260	13749	13204	13028	12744	12690	12782	12659	13590	14330	14820	14657	14466	14984	15251	15345	15160	14810	15066	16166	16008	15732	15476

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 3:15:30 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	219	212	213	213	214	213	214	216	215	213	215	215	216	214	453	506	506	509	505	507	514	504	505	507	508	509	504	506	505	505	504	503	607	601	0	0	0	0	0	0										
JMAH	U002	707	707	704	703	705	608	359	215	214	214	213	214	214	213	216	459	699	703	705	707	709	707	708	705	706	704	706	703	706	705	706	707	701	705	705	704	703	706	704											
JMHE	U001	952	949	947	897	901	848	847	849	849	805	800	803	799	799	791	798	802	797	799	956	951	951	950	951	949	951	949	952	949	948	949	947	949	947	946	947	945	948	947	973	977	979	977	981	977	978	978	979		
JMHE	U002	951	952	945	900	903	847	847	851	850	806	800	802	802	800	803	798	803	800	798	942	951	950	949	951	949	949	948	951	948	949	951	951	947	952	950	948	947	949	948	973	978	980	977	981	977	979	976	978		
JMIG	U001	672	672	656	670	663	666	667	672	669	667	668	671	667	667	668	668	667	664	669	666	668	665	666	667	667	668	663	668	664	668	671	664	661	663	662	660	665	662	662	663	660	664	657	657	662	665	666	667		
JMIG	U002	683	679	679	685	682	681	683	685	686	685	679	679	685	683	679	679	683	679	690	683	685	682	679	682	687	678	683	679	688	679	678	683	683	677	685	685	683	687	689	682	678	682	689	682	682	678	683	674		
JMIG	U004	963	952	951	899	900	886	853	851	851	815	804	803	804	803	806	804	805	801	804	840	897	943	948	948	944	948	946	948	946	948	947	950	950	950	950	950	950	951	945	977	979	976	977	975	976	976	976	979		
JMIG	U005	945	955	943	904	898	862	840	850	837	801	797	803	803	799	804	796	804	797	800	887	952	951	948	952	952	950	950	948	954	949	951	952	951	953	952	949	951	952	951	983	977	977	976	979	976	974	976	975		
PKLG	U004	149	148	149	149	149	147	148	148	152	145	152	148	144	147	148	148	143	151	149	147	148	156	155	153	152	151	153	158	152	156	154	155	155	155	155	155	154	153	214	260	275	272	273	272	272	275	273	271		
PKLG	U005	270	269	267	269	269	271	269	268	269	269	268	269	269	269	269	269	269	269	269	268	271	269	268	269	269	269	268	269	269	270	269	268	269	268	269	268	269	268	267	317	417	470	423	462	466	466	465	470	467	
PKLG	U006	271	269	268	269	269	267	269	269	269	269	268	269	268	269	269	269	269	269	269	269	268	268	269	268	269	268	269	269	268	269	268	269	320	404	438	449	446	448	448	449	445	446	450	449	446	449	450			
TBIN	U001	213	212	213	217	213	212	214	215	214	214	217	213	214	216	214	213	219	212	213	218	214	220	216	213	214	214	214	213	213	214	213	212	213	212	213	214	212	213	215	214	215	212	212	213	214	212	212			
TBIN	U002	701	699	699	517	295	212	212	213	211	212	213	213	212	212	213	316	504	655	699	705	704	705	699	701	702	697	700	702	700	699	701	700	700	699	700	703	700	699	701	699	702	702	701	700	700	699	700	699		
TBIN	U003	700	698	699	698	698	700	703	696	700	701	699	698	702	700	698	699	696	698	700	699	696	697	700	699	699	698	701	700	699	700	699	700	695	698	700	701	700	699	699	699	699	699	697	701	699	699	700			
TBIN	U004	942	941	941	900	901	876	853	855	853	803	804	802	803	802	805	804	802	803	803	803	804	833	916	940	939	940	939	940	941	940	943	941	940	941	940	942	941	940	941	941	941	942	942	941	939	941	941			
Total ST-Coal		9338	9314	9274	8890	8660	8294	7979	7852	7837	7621	7601	7599	7602	7593	7598	7686	7904	8257	8576	9004	9131	9205	9523	9609	9607	9597	9592	9603	9617	9590	9608	9603	9602	9655	9730	9768	9776	9779	9884	10139	10313	10257	9693	9699	9696	9690	9705	9696		
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	336	340	327	334	339	342	344	343	347	355	341	342	345	343	344	328	338	324	329	329	345	351	322	213	247	188	187	201	205	340	341	341	342	341	336	336	197	198	351	344	346	355	347	353	348	353	346	344		
EMPP	BLK1	643	721	681	702	709	710	710	713	716	730	709	711	717	713	718	681	706	668	667	657	673	710	686	706	602	618	593	637	709	709	710	709	711	710	709	711	700	705	704	708	708	702	703	717	704	713	707	708	703	703
EMPP	BLK2	662	721	700	707	710	710	709	712	715	730	710	712	716	714	719	698	711	685	682	675	696	710	686	710	620	628	628	643	710	709	711	710	709	711	700	705	704	708	708	702	703	717	704	713	707	708	703	703		
GLGR	GT02	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91	91	91	91	92	92	91	91	91	91	91	91	92	92	92	92	92	92	92	92	92	92	92	92	93	93	92	92		
GLGR	ST1C	41	41	41	40	40	40	41	41	41	39	40	40	42	41	41	41	41	41	41	41	41	41	41	40	40	40	40	40	40	41	41	41	41	41	41	41	41	41	40	40	40	40	41	41	41	40	39	40		
NPRI	BLK1	305	319	300	307	311	311	312	313	316	326	311	307	318	314	316	297	309	289	297	301	302	311	286	308	299	290	290	310	311	309	310	311	310	311	302	304	304	305	308	301	303	317	344	313	307	311	302	301		
NPRI	BLK2	304	319	298	307	311	310	311	313	317	326	311	307	319	314	316	298	308	287	296	300	302	311	287	305	299	290	289	308	310	310	310	309	310	301	302	304	305	309	298	303	317	376	312	306	308	302	301			
PCGP	PGRG	407	432	404	407	414	402	420	422	436	457	420	421	415	411	417	393	399	397	386	388	385	402	377	392	384	377	375	398	399	398	401	403	402	402	385	391	388	391	402	381	389	416	389	403	391	401	384	389		
SPGP	BLK1	498	501	496	499	500	501	502	499	501	503	499	500	502	499	502	498	399	497	592	554	401	437	401	424	401	402	402	403	464	451	426	465	498	650	595	590	663	602	657	628	707	709	707	708	706	708	639	593		
SPGP	BLK2	499	498	498	499	498	499	501	501	500	501	501	500	500	500	500	500	402	399	399	401	400	401	400	400	401	402	401	401	399	399	400	401	401	400	401	401	402	399	501	599	597	600	598	498	497	499	499			
TJGS	GT2A	213	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT2B	217	117	236	226	226	223	223	223	223	223	223	223	223	218	215	213	215	215	215	211	202	204	193	158	158	158	158	158	158	202	202	201	201	201	201	159	159	159	200	204	204	204	205	204	204	203	203	203		
TJGS	ST2C	252	198	122	124	124	121	121	121	121	121	121	121	119	116	116	116	116	119	116	114	114	117	96	96	96	96	96	96	96	117	114	114	114	114	114	97</														

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																											
KNYR	HY02	105	105	105	104	104	105	104	105	105	105	105	105	104	104	105	104	105	105	105	105	105	105	104	105	105	105	105	105																							
KNYR	HY03	104	104	104	104	104	104	103	103	103	104	104	104	104	104	104	104	104	104	104	104	103	103	103	103	104	104	104	104	104																						
KNYR	HY04	100	101	100	100	101	100	101	101	102	101	101	100	100	100	100	59	59	59	59	101	101	101	101	101	101	101	101	101																							
LPIA	HY01	18	18	18	18	18	17	17	17	17	17	16	16	16	16	16	16	16	17	19	19	19	19	19	19	19	19	19	19	19																						
LPIA	HY02	18	18	18	18	18	17	17	17	17	17	15	15	15	15	15	15	15	16	17	17	18	18	18	18	18	18	18	18	18																						
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																						
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	82	23	-1	-1	-1																						
PGAU	HY02	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						
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																						
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																						
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																						
SYPS	HY01	25	0	0	0	0	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	25	11	0	0	0	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	25	0	0	0	0	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	45	35	83	85	0	-1	-1	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	34	34	34	83	83	83																						
TMGR	HY02	83	-1	-1	-1	-1	-1	86	86	86	38	88	36	36	88	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																					
TMGR	HY03	2	0	0	0	0	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	82	85	80	83	85	85	84	84	84	84	50	84	84	84	73	44	37	39	39	40	78	35	66	39	36	37	48	85	85	63																					
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																						
UJLI	HY02	-1	-1	-1	-1	-1	-1	95	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																						
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																						
Total Hydro		1006	786	818	821	739	759	918	941	824	779	828	738	772	846	845	679	606	802	692	693	684	704	590	606	578	578	579	613	718	782	905	1042	1114	1147	1030	894	887	896	896	1390	1374	1339	1722	1722	1641	1577	1493	1315			
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	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	6	10	15	11	22	15	16	26	24	22	18	30	25	21	14	19	16	10	4	2	1	0	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	2	5	9	11	14	17	26	29	32	30	26	26	18	11	11	2	1	1	0	0	0	0	0	0	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	3	3	6	11	12	19	28	24	24	20	19	19	21	29	27	23	23	12	8	3	5	3	0	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	3	6	10	15	16	26	36	38	38	45	41	34	45	40	37	30	19	14	13	14	8	3	1	0	0	0	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	2	6	8	21	15	24	28	17	16	16	30	26	19	19	22	24	13	9	6	7	3	0	0	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	3	4	6	10	15	21	30	35	44	35	32	36	38	27	37	32	21	17	3	6	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	4	6	10	14	17	27	26	29	27	25	24	25	13	12	11	9	4	1	1	1	0	0	0	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	1	4	9	12	15	31	36	33	39	47	44	49	48	39	47	38	34	25	32	17	11	10	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	15	23	34	32	76	67	86	61	55	50	50	72	86	56	65	33	23	10	12	7	0	0	0	0	0	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	3	4	6	11	13	33	34	25	25	36	34	39	25	36	41	15	25	20	10	6	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	9	9	20	25	13	28	30	20	15	21	30	30	25	19	12	10	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	10	16	36	45	91	96	84	100	100	85	86	83	74	72	77	95	61	42	31	15	11	7	0	0	0	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	2	3	5	11	15	15	23	25	23	23	26	24	25	22	20	19	24	22	15	9	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	9	16	28	24	28	31	27	32	32	33	29	27	17	20	19	16	15	10	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	18	46	63	51	56	57	53	74	61	60	56	46	28	42	32	33	32	22	13	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	21	42	79	95	90	90	74	84	84	105	64	74	58	53	58	43	33	22	18	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	11	16	39	22	46	52	52	45	43	50	51	43	42	24	22	12	14	16	8	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	15	34	23	24	25	26	24	24	27	29	25	29	25	17	15	15	10	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	11	16	20	17	17	19	17	12	18	14	14	12	11	14	21	11	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	13	22	22	30	30	25	30	30	30	30	30	30	23	27	16																			

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 Co-Gen		23	23	22	24	25	28	25	25	25	27	25	30	26	27	27	26	28	26	26	26	26	22	23	22	25	22	24	23	21	20	22	21	22	22	21	22	25	20	24	22	22	30	30	30	23	26	23	23
Total Gen		14836	14543	14309	13979	13698	13342	13208	13111	13011	12830	12732	12643	12709	12744	12767	12552	12635	13209	13600	14123	14325	14621	14784	14831	14631	14570	14485	14702	14954	15189	15257	15333	15407	15527	15232	15003	14871	14776	15106	15843	16198	16223	16055	16015	15770	15738	15535	15301
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
TIE-HVDC		29	29	31	31	29	29	30	31	29	31	29	28	29	32	29	29	30	30	30	29	30	30	30	30	30	30	31	31	30	30	30	30	31	31	29	31	28	28	29	28	31	28	30	29	32	29	30	30
TIE-PLTG		-30	-75	18	-32	-80	-44	-26	-28	-46	-107	-41	-53	-10	-24	-44	6	-54	18	-20	-20	-36	-43	-66	-46	-56	5	-12	-37	-60	-27	-24	-26	31	36	43	38	33	-1	11	30	1	-27	17	-27	6	-28	28	11
Interconnection		-1	-47	49	-1	-51	-15	4	3	-17	-76	-12	-24	19	8	-15	35	-24	48	10	9	-5	-13	-36	-16	-26	36	19	-6	-30	3	6	4	62	67	72	70	61	27	40	58	32	1	47	2	38	1	59	42
System Total		14837	14590	14260	13980	13749	13357	13204	13108	13028	12906	12744	12667	12690	12736	12782	12517	12659	13161	13590	14114	14330	14634	14820	14847	14657	14534	14466	14708	14984	15186	15251	15329	15345	15460	15160	14933	14810	14749	15066	15785	16166	16222	16008	16013	15732	15737	15476	15259
SRev ST-Coal		455	468	507	774	777	879	898	893	896	915	905	907	903	900	896	913	909	895	750	663	598	574	505	416	419	426	434	422	425	434	423	421	422	422	424	388	379	373	379	270	250	307	218	212	216	223	206	215
SRev CCGT-Gas		1350	1399	1284	1221	1191	1204	1179	1172	1140	1062	1187	1189	1156	1187	1168	1310	1429	1455	1350	1400	1512	1382	1578	1622	1826	1884	1915	1779	1573	1389	1408	1368	1340	1182	1313	1346	1422	1459	1191	1173	976	868	855	883	1021	986	1117	1164
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
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
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
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		802	890	890	890	890	827	703	552	890	802	802	802	890	739	739	890	890	703	890	890	739	890	739	802	890	890	890	739	890	764	764	525	489	489	676	676	676	676	676	676	676	489	187	187	187	338	338	489
Hydro		251	121	64	61	56	186	151	279	58	104	55	145	110	187	188	68	141	257	210	209	339	168	433	267	294	294	293	410	154	216	180	282	246	213	143	279	286	277	277	143	159	381	300	300	381	294	378	180
S.Reserve Total		2858	2878	2745	2946	3001	3096	2931	2896	2984	2970	3036	3130	3059	3013	2991	3268	3456	3397	3287	3249	3275	3101	3342	3281	3516	3581	3619	3437	3129	2890	2775	2596	2497	2306	2556	2689	2763	2785	2523	2262	2061	2045	1560	1582	1805	1841	2039	2048