

Daily System Generation Summary on Friday

Friday, May 20, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,438 MW
Distillate	0 MW
Total TNB	2,438 MW
Total IPP	19,146 MW
Total Co-Gen	0 MW
Total System	25,351 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,205	2.87 %
Gas	43,530	11.14 %
Total TNB	54,735	14.00 %
ST-Coal	246,659	63.10 %
LSS	4,817	1.23 %
Gas	83,702	21.41 %
Total IPP	335,178	85.74 %
Co-Gen	1,114	0.28 %
Total Co-Gen	1,114	0.28 %
Total Generation	391,027	100.03 %
PLTG	-530	-0.14 %
HVDC	636	0.16 %
Interconnection	106	0.03 %
Net Energy	390,921	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:	16:30:00 Hour
Total Set On Bus	20,083 MW
TNB Generation	3,002 MW
IPP Generation	15,353 MW
Spinning Reserve	1,682 MW
Maximum Demand	18,423 MW
Net Energy	390,921 MWH
Load Factor	88.41 %

Fuel Cost

Total Cost:	103,707,373.96 RM
Cost per Unit	26.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,356
Hydro	416
Syncon	407
Thermal	142
Total	2,321

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	55
TJGS	115
Total TNB	170
CBPS	41
EMPP	181
KLPP	1
NPRI	145
PCGP	72
PGLA	84
PLPS	37
SPGP	140
Total IPP	700
Total Gas	871
Total Gas Required	871

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	16110	15416	14842	14308	13887	13790	13885	13684	14201	15749	16740	17235	17178	17020	17504	18203	18340	18183	17070	16807	17971	17925	17363	16981

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, June 7, 2022 10:46:59 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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	707	707	705	707	706	707	655	606	607	604	605	605	606	604	605	605	606	704	704	706	709	705	705	705	705																									
JMAH	U002	708	706	703	703	704	706	654	605	604	602	604	604	605	603	603	603	604	703	708	706	700	700	707	706	707																									
JMHE	U001	979	980	981	983	978	877	882	883	881	881	881	880	875	880	877	881	884	971	977	977	981	980	980	979	983	980																								
JMHE	U002	976	976	980	977	975	882	880	880	879	884	882	880	877	882	878	882	883	984	978	977	983	977	978	979	979	976	971	978	980	980	977	982	973	980																
JMJG	U001	641	645	641	594	589	598	598	598	598	596	599	596	596	598	640	643	640	647	640	643	641	642	648	639	645	643	640	642	636	645	642	643	644	643	589	573	546	580	623	560	503	508	509	509	508	507	516			
JMJG	U002	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	142	217	229	312	325	317	321	318	321	321	320	323	343	371	444	508	514	497	498	574	636	627	630	628	629	630	627	624		
JMJG	U004	978	979	958	903	882	885	881	884	886	884	884	885	885	883	885	887	902	961	981	981	982	981	980	981	978	975	981	977	979	978	981	981	978	981	979	979	979	978	979	977	978	981	980	978	980	976	981			
JMJG	U005	974	979	930	881	878	884	881	881	878	881	881	881	876	879	880	883	918	979	976	974	976	974	977	972	973	976	973	976	968	968	972	972	973	975	974	973	973	972	973	973	975	972	975	977	972	972	973	973	974	
PKLG	U003	262	261	229	151	148	146	149	151	151	151	151	151	148	150	149	150	207	263	261	264	265	264	264	259	263	261	263	261	263	264	260	262	261	260	262	261	253	252	232	233	233	233	255	260	261	260	263	264	264	
PKLG	U004	272	272	239	173	153	158	154	159	152	154	156	157	156	158	159	156	158	209	267	273	273	278	273	272	275	274	270	279	273	276	271	271	267	257	258	258	260	259	260	272	268	273	275	273	275	275				
PKLG	U005	462	466	431	318	255	266	268	269	269	268	271	269	269	269	267	269	269	330	429	468	464	463	466	464	463	466	466	463	457	458	469	456	469	467	451	466	481	469	454	466	470	454	466	470	454	494	467			
PKLG	U006	446	448	448	445	443	450	432	356	281	269	269	269	269	268	271	268	269	314	407	446	448	449	446	446	445	450	449	446	448	449	448	448	446	446	446	447	448	448	448	449	451	449	448	448	448	448	448	450		
TBIN	U001	697	697	697	698	699	697	695	659	651	619	599	601	599	601	599	599	701	694	699	694	699	701	698	699	698	699	698	700	699	700	700	699	697	696	694	699	699	698	699	698	700	698	696	699	702	698	698	700		
TBIN	U002	698	702	701	702	701	700	706	683	652	643	604	604	603	603	604	603	684	701	699	703	701	705	700	702	704	702	705	703	703	702	702	705	705	698	704	706	705	701	702	701	703	703	701	703	702	702	706	702		
TBIN	U003	701	701	700	702	699	700	701	687	656	644	604	604	605	604	606	604	689	705	704	704	706	703	702	703	703	704	703	705	703	704	702	703	700	705	701	704	706	705	706	702	703	705	703	701	703	703	705	702		
TBIN	U004	937	937	906	883	883	883	885	882	882	883	883	883	883	884	884	883	903	940	938	940	940	937	937	941	939	940	939	939	939	937	939	938	937	936	938	937	939	935	936	935	933	935	936	934	933	934	933	934		
Total ST-Coal		104381045610249 9820 9693 9539 9421 9183 9027 8965 8870 8890 8853 8862 8866 8912 9263 9987 102821041310613106781068310769107851078410777107661077610760107721078510775108201088310872108551082210824109441095010939109281094710952109431096610964																																																	
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					
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				
CBPS	BLK2	274	223	218	223	222	223	215	222	222	224	228	224	224	225	225	221	225	226	226	223	226	284	303	258	218	214	274	354	357	355	357	358	353	305	226	218	215	222	228	222	215	222	221	223	224	217	225			
EMPP	BLK1	502	424	410	444	411	415	410	434	411	423	449	440	536	577	475	438	410	441	462	634	691	708	710	708	684	710	699	709	709	707	710	710	709	710	712	699	702	714	712	707	704	708	710	709	713	698	710			
EMPP	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
EMPP	BLK3	504	421	410	444	411	415	411	434	411	425	447	436	526	574	471	436	411	438	465	638	690	709	710	710	685	710	699	709	708	709	707	709	710	708	711	712	699	701	714	713	707	704	708	710	710	713	697	711		
GLGR	GT01	81	80	83	83	82	81	82	82	81	82	83	81	81	81	80	82	83	83	83	81	82	83	82	81	81	82	82	81	81	82	82	82	104	102	103	103	103	103	103	103	104	105	102	103	104	104	103	104	103	103
GLGR	GT02	81	82	82	81	82	82	82	81	82	81	82	81	82	82	81	81	81	81	81	82	81	81	81	81	82	82	82	82	82	82	82	103	103	102	102	103	103	102	102	103	102	103	103	103	103	103	103	103		
GLGR	ST1C	82	82	82	82	82	82	82	82	82	82	81	82	82	82	82	82	82	82	81	82	82	82	82	82	82	82	81	81	81	82	94	94	95	94	95	94	95	94	94	94	94	94	94	94	94	94	93			
KLPP	GT15	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
KLPP	ST17	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
NPRI	BLK1	515	512	514	516	517	446	314	318	319	321	317	316	314	319	313	318	349	353	348	349	349	445	516	514	514	512	503	515	511	515	510	511	514	513	509	512	503	506	519	518	507	509	509	512	514	518	503	514		
NPRI	BLK2	520	517	518	521	518	400	394	400	374	321	317	317	313	319	315	318	352	403	399	398	395	463	520	516	448	464	374	515	503	520	514	515	520	516	498	517	489	500	521	529	512	496	512	515	518	521	492	520		
PCGP	PGRG	401	404	403	410	409	410	408	409	408	412	407	408	408	408	408	411	410	408	400	400	400	399	403	399	397	396	391	400	447	554	591	592	601	594	590	603	579	486	608	609	591	594	592	597	601	505	401	400		
PGLA	GT11	173	174	172	173	172	173	172	172	172	172	172	172	172	172	172	172	174	172	171	171	172	171	171	172	171	172	171	172	171	172	171	171	171	171	172	0	0	0	0	0	0	0	0	0	0	0	0			
PGLA	GT12	175	177	175	177	176	176	176	176	175	176	175	176	175	175	175	176	176	175	175	174	175	174	175	175	174	174	174	174	174	174	175	174	174	175	175	169	169	175	176	171	159	161	161	162	164	158	163			
PGLA	ST10	205	205	205	205	205	205	204	204	204	204	205	205	205	205	205	206	206	207	207	206	206	206	206	206	206	206	206	206	207	207	207	207	207	173	136	96	96	95	95	95	92	91	90	91	90	90	92			
PLPS	GT13																																																		

Daily MW Generation on Friday

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				
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9				
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9				
CEND	HY04	8	7	8	8	7	7	7	7	8	7	8	7	8	7	8	7	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	7	8	8	7	7	7	7	7			
HTRG	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				
HTRG	HY03	3	3	3	3	3	3	3	4	4	4	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	3	3	3	3	3	3	3	3	3	3	3				
HTRG	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					
KNRG	HY01	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	0	0	0	0	0	0	0	0	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	37	37	37	37	37	37	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	0	0	0	0	0	0	0	0	0	0	0			
KNRG	HY03	36	36	36	36	36	35	35	35	35	36	36	36	36	35	35	37	37	37	37	37	37	37	37	37	37	23	22	23	22	23	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37			
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22				
LPIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21				
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	3				
PGAU	HY03	21	20	20	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	82	82	82	20	20	20	20	20				
PGAU	HY04	20	20	20	21	20	20	20	21	20	21	21	20	20	20	21	20	20	21	21	20	21	21	21	21	21	21	20	20	20	20	20	20	20	21	20	20	20	20	82	80	80	20	21	21	21	21				
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	50	50	50	50	50	50	50	50	50	0	0	0	30	50	50	50	50	50	50	0	0		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	30	50	50	50	50	50	50	50	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	17	25	25	25	25	25	25	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	45	55	43	65	43	48	42	65	43	55	45	43	76	43	43	43	42	61	42	43	43	42	42	42	43	41	42	42	42	44	43	55	44	47	85	42	42	74	84	84	43	64	64	60	84	41	42			
TMGR	HY02	83	0	0	0	0	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	33	33	83	83	83	82	82	84	86	86	84	85	83	83	81	83				
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	84	84	84	82	82	80	82		
TMGR	HY04	-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	92	88	87	93	144	141	93	83	85	93	93	86	86	87	90	89	91	83	90		
UJLI	HY02	98	-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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
UPIA	HY02	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Hydro		516	341	329	353	329	332	326	351	330	342	333	329	362	360	272	269	269	256	321	321	322	322	321	321	321	299	297	298	297	441	486	485	503	604	605	594	406	409	451	840	1011	964	985	864	863	890	823	601		
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		
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	12	16	20	23	17	28	30	32	30	18	22	31	31	28	23	23	18	11	10	5	1	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	0	0	0	3	6	9	11	21	25	29	29	22	32	18	32	27	33	20	28	27	22	8	10	4	4	0	0	0	0	0	0	0	0	0	0	0
CHLS																																																			

Daily MW Generation on Friday

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	27	93	173	265	374	482	524	495	620	635	557	659	598	640	630	548	595	502	392	334	220	164	78	24	4	4	4	0	0	0	0	0	0	
PCUF	CUFG	23	24	24	25	23	22	24	23	22	23	23	25	25	25	23	23	23	23	21	20	20	20	18	19	19	18	19	17	16	17	17	17	17	19	18	18	18	18	18	18	19	20	19	19	20	20	20	20	
PCUF	CUFK	27	25	28	25	26	27	27	25	27	26	27	26	26	26	25	25	26	25	24	26	24	25	25	26	26	26	26	27	27	26	25	25	27	27	26	26	26	27	26	25	28	25	27	26	27	26	26		
Total Co-Gen		50	49	52	50	49	49	51	48	49	49	50	51	51	51	48	48	49	48	46	44	46	44	43	44	45	44	45	43	43	44	43	42	42	46	45	44	44	44	44	45	44	44	48	44	46	46	47	46	46
Total Gen		16131	15642	15393	15079	14855	14523	14314	14158	13910	13836	13786	13777	13946	14060	13751	13759	14193	15178	15757	16334	16744	17001	17237	17358	17143	17057	17020	17190	17535	17975	18308	18373	18311	18401	18150	17439	17075	16687	16787	17768	18044	18033	17912	17634	17350	17213	16974	16831	
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		
TIE-HVDC		31	31	31	31	31	30	30	30	30	29	30	29	29	29	29	32	29	30	31	29	31	31	0	0	0	0	0	1	30	30	30	30	30	31	31	31	31	31	30	29	29	30	30	30	30	30	30	31	
TIE-PLTG		-10	-38	-53	-61	-18	-63	-24	-71	-6	-45	-33	15	32	32	38	26	-38	2	-24	-22	-27	-39	-29	-48	-35	-25	0	-4	30	18	75	14	-59	-53	-65	-51	-27	-14	-50	-9	44	-27	-43	-64	-44	-79	-30	-51	
Interconnection		21	-7	-23	-30	13	-33	6	-41	23	-15	-4	44	61	62	67	58	-8	32	8	7	4	-8	2	-48	-35	-25	0	-4	31	49	105	44	-29	-22	-33	-19	5	17	-20	20	73	3	-13	-34	-13	-49	-7	-20	
System Total		16110	15649	15416	15109	14842	14556	14308	14199	13887	13851	13790	13733	13885	13998	13684	13701	14201	15146	15749	16327	16740	17009	17235	17406	17178	17082	17020	17194	17504	17926	18203	18329	18340	18423	18183	17458	17070	16670	16807	17748	17971	18030	17925	17668	17363	17262	16981	16851	
SRev ST-Coal		121	103	287	392	411	544	665	815	886	935	961	938	956	959	957	915	742	259	185	146	96	131	126	40	124	125	132	143	133	119	107	94	184	139	176	237	240	218	220	225	248	142	188	170	165	173	149	160	
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		
SRev CCGT-Gas		2019	2125	2158	2065	2137	2318	2768	2708	2780	2804	2751	2777	2604	2497	2719	2781	2765	2570	2441	2102	2003	1851	1601	1692	1927	1911	2042	1799	1505	1184	825	818	795	745	1001	1215	1318	1590	1481	988	889	846	969	1147	1435	1591	1785	1704	
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		401	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	401	401	401	401	401	401	401	401	401	126	126	126	126	126	126	126	313			
Hydro		439	340	352	328	352	349	355	330	351	339	348	352	319	408	392	395	395	321	356	356	355	355	356	356	356	378	380	379	380	473	515	516	498	397	396	407	445	442	400	547	376	423	402	523	524	497	564	449	
S.Reserve Total		2980	3156	3385	3373	3488	3799	4376	4441	4605	4666	4648	4655	4467	4452	4656	4679	4490	3738	3570	3192	3042	2925	2671	2676	2995	3002	3142	2909	2606	2177	1848	1829	1878	1682	1974	2260	2404	2651	2502	1886	1639	1537	1685	1966	2250	2387	2624	2626	