

Daily System Generation Summary on Thursday

Thursday, July 21, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,154 MW
Distillate	0 MW
Total TNB	2,154 MW
Total IPP	20,055 MW
Total Co-Gen	0 MW
Total System	25,259 MW

Generation Mix

Type	MWh	Percentage
Hydro	27,104	7.01 %
Gas	39,648	10.25 %
Total TNB	66,752	17.26 %
ST-Coal	236,756	61.23 %
ST-Gas	73	0.02 %
LSS	5,370	1.39 %
Gas	75,972	19.65 %
Total IPP	318,171	82.28 %
Co-Gen	925	0.24 %
Total Co-Gen	925	0.24 %
Total Generation	385,848	99.78 %
PLTG	1,510	0.39 %
HVDC	-2,348	-0.61 %
Interconnection	-838	-0.22 %
Net Energy	386,686	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:	16:00:00 Hour
Total Set On Bus	19,898 MW
TNB Generation	3,391 MW
IPP Generation	14,769 MW
Spinning Reserve	1,684 MW
Maximum Demand	18,205 MW
Net Energy	386,686 MWH
Load Factor	88.50 %

Fuel Cost

Total Cost:	139,323,693.16 RM
Cost per Unit	36.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,289
Hydro	421
Syncon	350
Thermal	163
Total	2,223

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	77
Total TNB	106
CBPS	39
EMPP	247
NPRI	119
PCGP	72
PLPS	28
SPGP	162
PKLG	1
Total IPP	668
Total Gas	774
Total Gas Required	774

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	15886	15005	14560	14085	13519	13347	13629	13632	14056	15749	16777	17222	17109	16908	17681	18140	18205	17908	16759	16629	17743	17748	17171	16784

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, July 22, 2022 9:25:01 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	703	705	708	708	707	705	706	706	705	706	709	707	705	708	706	706	705	705	705	705	709	705	704	705	706	707	703	706	706	707	708	706																
JMAH	U002	709	704	702	707	708	704	705	604	506	401	372	358	504	669	706	709	709	707	705	708	704	706	705	708	705	701	703	702	708	706	706	708																
JMHE	U001	978	983	978	981	982	901	897	848	852	849	851	849	851	825	856	853	850	961	984	980	981	979	980	981	980	978	979	979	981	980	980	980																
JMHE	U002	980	981	978	979	967	899	900	846	847	850	850	850	851	847	855	853	850	976	982	977	978	979	978	980	983	979	981	981	981	980	982	980	980															
JMIG	U001	666	668	670	665	665	668	666	667	663	670	668	665	666	668	667	667	670	666	667	667	667	668	662	666	669	669	667	668	668	667	667	667	667															
JMIG	U002	673	674	674	675	679	673	673	674	673	676	672	675	678	678	673	678	673	668	674	674	675	674	673	676	676	676	675	678	672	676	677	674	675															
JMIG	U003	669	667	671	667	667	668	665	674	668	667	668	667	664	669	667	668	670	671	666	668	668	672	671	672	666	668	669	667	670	669	665	669	669															
JMIG	U004	972	974	970	972	948	901	901	903	902	900	905	903	900	901	901	903	939	973	972	972	971	973	972	974	970	972	971	972	973	973	972	974	975															
PKLG	U003	276	280	278	209	149	149	150	147	148	149	149	151	150	149	150	149	203	264	278	274	278	274	276	276	277	278	276	277	278	277	278	273	279	274														
PKLG	U004	276	276	274	227	167	145	151	150	156	156	152	154	152	153	153	154	184	258	274	276	274	273	270	273	276	274	270	274	274	272	275	277	275															
PKLG	U005	466	463	467	380	313	265	271	267	269	269	267	269	269	269	268	268	310	405	466	459	459	462	461	465	458	463	468	466	466	466	466	467	470															
PKLG	U006	448	446	449	452	447	449	366	286	268	269	267	269	269	269	269	269	320	411	441	449	450	448	450	449	448	449	446	449	449	449	450	449	447															
TBIN	U002	701	701	708	699	704	700	700	700	702	701	700	706	699	703	703	701	702	701	703	700	700	705	703	699	701	704	700	703	706	700	699	701	700															
TBIN	U003	699	702	700	700	704	700	700	700	701	698	700	702	699	699	701	700	699	700	698	699	700	699	703	699	699	700	701	699	699	700	699	697	700															
TBIN	U004	939	942	940	939	939	918	904	874	853	853	854	853	851	854	856	853	852	914	936	940	938	940	935	938	937	938	938	939	936	939	942	939	941															
Total ST-Coal		10155	10166	10167	9960	9746	9445	9355	9046	8913	8816	8779	8780	8911	9060	9130	9129	9302	9946	10153	10151	10150	10155	10158	10163	10160	10164	10159	10163	10150	10153	10154	10150	10166	10152	10174	10155	10159	10144	10151	10151	10157	10166	10168					
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				
PKLG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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				
CBPS	BLK2	222	223	217	223	221	222	224	223	217	223	223	224	222	223	223	214	226	223	223	223	223	220	223	220	222	223	222	223	222	223	223	222	223	224	222	344	361	319	256	223	223	222	222					
EMPP	BLK1	559	413	370	375	376	377	372	376	370	374	368	373	377	376	380	376	375	363	378	476	642	704	706	710	555	411	422	437	530	697	663	708	677	709	688	709	669	635	683	705	700	710	708	693	705	666	602	483
EMPP	BLK2	557	412	369	376	376	375	373	375	369	376	367	375	375	376	376	375	374	363	378	476	644	701	705	710	556	411	420	437	529	698	669	709	683	710	688	709	671	634	683	702	700	709	707	694	706	665	601	483
EMPP	BLK3	574	417	369	375	375	374	373	375	371	376	367	375	376	376	375	376	376	375	376	489	646	702	709	710	564	411	418	442	530	706	711	711	710	708	687	710	664	651	695	701	700	710	708	696	706	662	599	473
GLGR	GT02	93	93	93	93	93	93	93	93	94	93	94	93	93	93	93	94	93	93	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94		
GLGR	ST1C	42	41	41	41	41	41	40	40	40	41	41	41	41	41	41	41	40	40	40	40	40	40	40	41	40	41	41	41	40	40	40	41	41	41	41	40	41	41	41	41	41	41	41	41	41	41	41	
NPRI	BLK1	320	320	311	321	317	319	321	320	311	320	311	321	322	322	317	320	322	306	324	322	320	316	353	398	320	317	319	320	320	320	398	398	508	515	512	311	309	310	310	311	515	515	516	515	398	320	320	321
NPRI	BLK2	335	335	326	335	334	335	338	335	326	335	326	336	338	338	335	336	335	324	341	335	345	333	380	389	335	331	335	335	335	347	335	341	449	338	337	350	334	335	345	497	511	519	516	477	335	336	335	335
PCGP	PGRG	404	401	388	404	395	399	404	401	390	403	390	402	404	404	397	401	404	402	400	397	402	401	401	393	398	542	602	602	600	601	603	600	601	602	402	402	399	599	600	602	602	599	601	602	601	603		
PLPS	GT11	128	129	129	128	129	129	129	129	128	129	129	129	129	129	129	128	129	128	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	0	0	0	0	0	0	0	0	0			
PLPS	ST18	57	57	56	56	57	57	56	57	56	56	56	57	57	57	56	56	57	58	56	57	57	58	57	58	57	56	58	58	58	56	57	58	57	57	57	57	57	0	0	0	0	0	0	0	0	0		
SPGP	BLK1	361	402	402	401	402	401	400	401	402	402	401	403	401	399	401	401	402	401	400	399	399	398	401	399	398	599	599	704	706	705	705	719	720	723	723	649	550	550	600	717	717	717	719	717	718	718	717	719
SPGP	BLK2	359	360	361	360	359	361	359	360	361	360	361	360	360	360	360	362	361	361	402	400	401	400	401	400	710	708	717	709	715	713	711	718	705	706	705	647	549	548	599	716	717	718	717	717	716	717	717	718
TJGS	GT2A	131	131	132	132	132	132	132	132	132	132	132	132	132	132	132	133	130	131	131	131	132	132	132	132	131	131	130	130	130	132	133	130	132	133	130	132	131	131	132	129	131	141	130	130	130	131	131	
TJGS	GT2B	127	127	127	125	127	127	126	126	127	127	126	126	126	126	126	126	126	126	126	127	127	125	125	125	126	126	126	127	127	127	127	127	127	127	127	126	126	126	125	125	125	125	125	125	125	125	125	
TJGS	ST2C	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193		
Total CCGT-Gas		4462	4054	3884	3938	3927	3935	3933	3936	3886	3940	3879	3942	3947	3946	3934	3938	3944	3858	4006	4291																												

Daily MW Generation on Thursday

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																								
KNRG	HY01	22	22	22	23	23	23	23	0	0	0	0	0	0	0	0	32	33	33	33	21	21	20	20	20	20	20	21	21	21	21	21	20	20	20	21	20	20	20	21	21								
KNRG	HY02	23	23	22	23	22	23	23	0	0	0	0	0	0	0	0	37	37	37	37	24	24	24	24	24	24	25	25	25	25	25	25	25	25	24	25	25	24	24	24	25	25	25						
KNRG	HY03	22	22	22	22	22	22	22	23	22	23	22	23	24	22	23	23	35	35	35	35	22	23	22	22	22	22	22	23	22	23	22	23	22	22	22	22	22	22	22	22	22	22						
KNYR	HY01	100	101	100	101	100	101	101	100	100	101	100	101	101	102	59	60	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	100	101						
KNYR	HY02	105	105	105	105	105	105	106	105	105	105	105	106	105	105	59	59	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105						
KNYR	HY03	105	105	104	104	104	105	104	104	104	105	104	105	105	105	61	101	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105							
KNYR	HY04	102	102	101	101	101	101	102	102	101	101	102	101	102	102	103	60	61	102	101	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	101	102						
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	19	19	19	19	19	19	19	19	19	18	18	18	17	17	18	18	18	18	18	18	18	18	18							
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	19	18	18	19	19	19	19	19	19	19	19	19	19	18	18	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	3	3	3	3	3	3	3	3	3	3	3	3							
PGAU	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	0	0	0	0	0	0								
PGAU	HY03	21	22	21	21	21	21	21	20	20	20	20	20	20	20	20	20	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21	21						
PGAU	HY04	22	22	21	21	21	22	21	21	21	21	21	21	21	21	21	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						
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	30	0	0	0	0	30	50	50	50	50	30	30	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	50	50	50	50	50	30	0	0	0	0	30	50	50	50	50	30	30	0	0		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	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	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	8	0	0	0	0	0	0	0	0	0	0					
TMGR	HY01	50	43	42	44	42	42	-1	-1	0	-1	-1	0	-1	-1	-1	-1	-1	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84						
TMGR	HY02	87	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87						
TMGR	HY03	82	82	57	32	2	0	0	0	0	0	0	0	0	0	0	0	81	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83						
TMGR	HY04	83	41	40	43	42	42	46	41	40	73	42	45	85	85	43	49	46	41	84	84	84	84	84	77	83	44	78	81	84	84	42	84	51	84	54	57	42	42	47	74	72	81	79	65	77	78	79	79
UJLI	HY01	0	0	0	0	0	0	0	0	0	0	0	0	-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						
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						
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	4	4	4	5	5	5	5	5	5	5	5	5	5						
Total Hydro		1214	1166	925	846	811	808	712	658	657	693	657	667	703	708	484	462	629	1001	1200	1345	1326	1283	1380	1372	1381	1339	1372	1384	1386	1485	1461	1425	1379	1413	1296	1232	1214	1215	1221	1396	1434	1441	1442	1337	1309	1308	1251	1252
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			
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	10	12	18	19	22	23	24	24	25	27	24	21	24	21	20	18	15	10	6	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	2	4	6	9	11	15	17	17	23	20	22	23	30	23	24	21	13	12	11	11	7	6	6	6	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	3	8	12	12	13	18	19	16	17	33	25	23	30	23	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	6	8	15	29	34	17	27	28	17	24	20	11	16	41	36	23	22	20	13	11	4	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	0	1	3	5	8	12	9	9	12	14	18	19	22	21	20	18	16	19	19	18	9	9	4	2	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	0	4	7	5	7	11	12	14	21	11	23	28	23	24	7	13	14	15	16	8	11	8	4	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	0	2	8	16	13	20	27	21																										

Daily MW Generation on Thursday

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			
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	22	26	22	30	30	29	30	30	28	23	30	30	30	25	28	10	20	20	2	1	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	81	181	269	369	398	560	556	592	658	736	668	784	775	607	683	643	523	474	391	337	220	133	63	30	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	6	6	6	5	5	6	6	6	6	5	5	6	4	5	4	6	4	6	3	4	4	4	6	4	4	4	6	27	29	26	27	28	28	27	27	28	27	27	28	28	28	29	28	5	5	6	5		
PCUF	CUFK	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26			
Total Co-Gen		30	32	32	32	31	31	32	32	32	31	31	32	30	31	30	32	30	32	29	30	30	30	30	30	32	53	55	52	53	54	54	53	53	54	53	54	53	54	54	54	55	54	55	54	31	31	32	31		
Total Gen		15861	15418	15008	14776	14515	14219	14032	13672	13488	13481	13346	13420	13593	13744	13579	13577	13988	15016	15660	16185	16693	16973	17174	17264	17054	16838	16847	17279	17638	18085	18158	18204	18214	18143	17846	17258	16779	16443	16610	17409	17763	17800	17737	17490	17183	16989	16747	16393		
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		-100	-99	-99	-99	-96	-99	-100	-96	-97	-97	-97	-97	-98	-96	-99	-97	-99	-98	-98	-96	-98	-97	-97	-97	-97	-98	-97	-96	-98	-99	-98	-99	-98	-98	-98	-98	-98	-98	-99	-99	-97	-98	-97	-98	-98	-97	-99	-97		
TIE-PLTG		75	34	101	31	52	49	47	50	66	37	96	41	62	70	46	29	31	55	10	75	12	58	49	25	42	57	38	25	53	54	116	106	108	82	36	47	117	53	80	94	117	98	87	78	109	84	62	78		
Interconnection		-25	-65	3	-68	-45	-49	-53	-46	-31	-60	-1	-57	-36	-26	-53	-68	-68	-43	-89	-23	-84	-41	-48	-71	-55	-41	-61	-72	-43	-45	18	7	9	-16	-62	-51	20	-45	-19	-5	20	0	-11	-20	12	-13	-37	-19		
System Total		15886	15483	15005	14844	14560	14268	14085	13718	13519	13541	13347	13477	13629	13770	13632	13645	14056	15059	15749	16208	16777	17014	17222	17335	17109	16879	16908	17351	17681	18130	18140	18197	18205	18159	17908	17309	16759	16488	16629	17414	17743	17800	17748	17510	17171	17002	16784	16412		
SRev ST-Coal		158	147	146	234	260	483	554	644	677	669	670	664	676	625	593	588	587	350	160	162	163	158	155	154	162	151	158	155	150	153	149	154	150	163	160	159	163	147	161	139	158	154	169	162	162	156	147	145		
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 CCGT-Gas		2345	2753	2923	2869	2880	2872	2874	2871	2921	2867	2928	2865	2860	2861	2873	2869	2863	2949	2801	2516	2018	1862	1757	1698	1973	2236	2185	1886	1546	1029	1023	905	759	803	870	1325	1666	1714	1469	835	470	444	494	642	898	1097	1292	1648		
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	36	28	3	2	34	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	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	0	
Syncon		208	208	296	422	422	422	510	510	422	510	552	827	827	827	827	827	739	651	374	525	525	338	338	338	338	338	338	338	338	374	374	374	374	395	395	395	395	395	395	525	338	187	187	187	374	374	374	374	187	
Hydro		388	436	589	542	577	493	376	350	352	315	351	342	304	299	523	545	378	436	325	457	325	368	458	466	457	499	466	454	453	454	441	482	398	364	435	374	392	391	385	497	460	453	452	370	398	399	356	356		
S.Reserve Total		3099	3544	3954	4067	4139	4270	4314	4375	4459	4361	4459	4510	4667	4612	4816	4829	4655	4474	3937	3509	3031	2913	2708	2656	2930	3224	3147	2833	2336	1823	2023	1943	1684	1706	1894	2253	2615	2647	2540	1809	1275	1238	1302	1548	1832	2026	2169	2336		