

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,454 MW
Distillate	0 MW
Total TNB	2,454 MW
Total IPP	19,472 MW
Total Co-Gen	0 MW
Total System	25,567 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,038	6.59 %
Gas	30,949	8.15 %
Total TNB	55,987	14.73 %
ST-Coal	232,591	61.21 %
LSS	4,010	1.06 %
Gas	87,237	22.96 %
Total IPP	323,838	85.23 %
Co-Gen	823	0.22 %
Total Co-Gen	823	0.22 %
Total Generation	380,648	100.18 %
PLTG	3,032	0.80 %
HVDC	-2,345	-0.62 %
Interconnection	687	0.18 %
Net Energy	379,961	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:	15:30:00 Hour
Total Set On Bus	19,087 MW
TNB Generation	3,078 MW
IPP Generation	14,599 MW
Spinning Reserve	1,374 MW
Maximum Demand	17,720 MW
Net Energy	379,961 MWH
Load Factor	89.34 %

Fuel Cost

Total Cost:	134,608,783.02 RM
Cost per Unit	35.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	813
Hydro	455
Syncon	227
Thermal	163
Total	1,658

Time	Weather	Temperature
Afternoon	Cloudy	29
Morning	Cloudy	23

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	8
TJGS	1
TJGS	6
Total TNB	44
CBPS	42
EMPP	264
NPRI	128
PCGP	74
PLPS	64
SKSP	8
SPGP	163
Total IPP	744
Total Gas	789
Total Gas Required	789

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	15503	14660	14257	13660	13356	13253	13457	13523	13963	15612	16483	17047	16948	16612	17403	17715	17701	17473	16491	16414	17440	17404	16781	16516

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, August 6, 2022 10:13:32 PM
(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	704	706	707	706	705	706	705	707	707	709	710	710	708	705	705	707	705	702	706	707	708	707	706	705	705
JMAH	U002	704	707	706	707	706	706	705	706	705	701	707	704	708	709	707	706	700	700	706	709	713	707	707	706	705
JMHE	U001	978	977	981	927	895	900	892	851	850	849	848	851	846	853	850	852	858	980	981	978	981	981	980	982	980
JMHE	U002	978	976	981	927	896	902	888	853	851	850	848	849	848	849	851	860	979	980	980	981	980	982	978	979	979
JMJG	U001	673	672	672	672	673	673	672	672	672	672	673	672	671	674	676	668	675	673	673	672	671	671	674	671	672
JMJG	U002	670	668	667	669	676	667	670	671	668	667	669	672	670	673	666	669	668	671	667	668	668	667	679	666	667
JMJG	U003	672	672	670	667	673	667	672	671	671	671	669	669	664	670	670	671	669	670	668	668	675	668	670	671	624
JMJG	U004	974	972	973	934	921	900	904	852	854	851	855	854	853	854	851	912	969	978	982	977	980	979	979	977	978
PKLG	U003	280	271	179	148	148	149	149	149	147	149	149	150	149	189	262	273	278	279	277	276	274	275	274	277	275
PKLG	U004	272	258	179	155	157	158	161	156	157	158	158	160	160	146	143	233	274	272	272	277	275	269	271	274	272
PKLG	U005	458	378	286	270	268	271	267	267	271	269	269	269	268	269	270	269	323	422	460	477	468	469	466	468	460
PKLG	U006	449	449	446	445	449	450	447	446	446	446	446	449	446	446	450	449	449	449	449	449	448	448	448	448	448
TBIN	U002	701	698	708	701	706	702	696	704	702	703	702	705	701	698	702	703	702	703	703	699	704	699	703	701	704
TBIN	U003	703	703	704	700	699	699	701	701	700	701	702	701	701	702	700	700	699	700	700	698	700	699	705	698	701
TBIN	U004	939	936	936	936	920	903	903	856	853	852	855	853	854	852	853	855	858	940	943	942	942	939	939	939	941
Total ST-Coal		10155	10043	9795	9564	9492	9453	9432	9262	9252	9244	9256	9266	9249	9304	9362	9379	9521	10059	10158	10174	10183	10165	10174	10161	10121
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
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
CBPS	BLK2	220	216	222	222	220	226	212	225	222	220	215	219	223	224	220	213	226	223	226	222	222	223	223	227	227
EMPP	BLK1	561	437	494	502	460	432	398	423	373	372	366	373	373	374	371	362	378	374	377	483	625	686	698	714	638
EMPP	BLK2	557	453	493	501	466	430	399	422	375	374	368	374	375	375	373	362	379	375	378	480	626	691	699	714	639
EMPP	BLK3	557	438	491	502	466	430	398	422	375	373	368	374	375	374	372	362	379	375	378	493	626	687	702	713	647
GLGR	GT02	93	93	93	93	94	93	93	94	94	94	94	94	94	94	94	95	93	93	93	93	93	93	93	93	93
GLGR	ST1C	40	41	41	41	41	41	41	41	40	40	40	40	40	41	41	41	41	41	41	41	41	40	40	41	40
NPRI	BLK1	316	310	320	319	316	324	305	324	319	317	310	314	320	321	316	306	323	320	324	320	319	320	319	325	318
NPRI	BLK2	332	325	335	333	330	338	321	338	341	332	324	331	355	336	332	320	394	334	383	335	334	335	335	341	335
PCGP	PGRG	394	391	404	400	394	411	390	407	404	394	392	393	398	402	393	395	409	400	409	402	404	401	401	409	398
PLPS	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	0
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	125	125	125	125	124	125	124	125	124	125	126	125	125	124	125	124	124	125	125	125	125	125	124	124	124
PLPS	ST18	58	58	58	57	57	58	57	57	57	57	57	57	58	58	58	58	58	57	57	57	58	58	58	59	57
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	719	722	452	452	448	448	451	449	450	449	450	450	451	451	449	449	450	547	708	721	723	717	713	711	711
SPGP	BLK2	717	719	719	719	716	449	450	449	449	449	450	451	451	450	447	450	447	550	697	721	723	722	720	719	716
TJGS	GT1B	0	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	GT2A	0	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	ST2C	0	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 CCGT-Gas		4689	4328	4247	4266	4132	3805	3639	3776	3623	3596	3559	3596	3636	3625	3589	3537	3702	3815	4198	4495	4918	5099	5126	5190	4941
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	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 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
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	22	21	22	22	22	22	22	22	22	22
BSIA	HY02	10	10	10	10	10	10	10	10	10	10	10	21	21	21	11	11	22	22	22	22	21	21	21	21	21
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	21	21	22	22	22	22	22	22	22	22
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
CEND	HY02	10	9	9	9	9	9	10	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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

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										
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										
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	124	63	-1	-1	-1	123	-1	-1	123	124	124	123	64	62	62	62	62	
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	121	62	63	63	0	122	63	62	63	122	122	121	63	62	63	63	63
HTRG	HY04	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		
KNRG	HY01	21	21	21	21	21	21	21	0	0	0	0	0	0	0	31	31	31	31	31	31	31	23	23	23	23	31	31	31	31	31	31	31	31	
KNRG	HY02	22	22	22	22	22	23	22	0	0	0	0	0	0	0	24	36	36	36	36	36	36	23	23	24	24	36	36	36	36	36	36	36	36	
KNRG	HY03	21	21	21	22	22	22	21	23	23	22	22	22	36	36	36	21	23	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
KNYR	HY01	101	101	101	101	101	101	100	101	101	101	101	100	101	101	101	101	101	101	101	101	100	100	101	101	101	102	101	101	101	101	100	101	101	
KNYR	HY02	103	105	105	105	105	105	105	61	60	61	60	60	105	105	105	105	105	105	105	105	106	105	0	0	0	0	0	0	102	101	101	101	101	102
KNYR	HY03	103	104	104	104	104	104	104	104	59	60	60	59	105	104	104	105	104	104	104	104	104	0	103	103	104	104	103	104	103	103	103	103	103	0
KNYR	HY04	102	102	102	102	102	102	102	60	60	60	59	102	102	102	102	102	102	102	102	102	102	0	101	101	101	101	101	101	101	101	101	101	0	0
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16		
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16		
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		
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	23	22	22	21	21	152	21	21	23	22	22	22	
PGAU	HY04	21	21	21	21	22	21	21	21	21	21	21	21	21	21	21	22	22	22	21	22	22	23	22	22	21	21	84	21	21	22	22	22	22	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	50	50	50	50	50	50	50	50	0		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	50	50	50	50	50	50	50	50	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	17		
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	12	25	17	25	25	25		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	17		
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84	84	84	85	85	85	84	85	84	85	84	85	85	84	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	89	88	88	88	88	86	87	87	87	87	85	86	83	87	80	80	80	81	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	2	82	82	85	85	85	85	85	85	85	85	85	84	81	85	85	85	85	84	85	
TMGR	HY04	41	40	41	42	41	54	38	48	46	40	39	41	42	50	41	38	84	63	84	72	84	83	85	84	84	84	83	55	46	84	82	74	39	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	93	89	-1	-1	-1	-1	94	147	143	146	137	-1	169	92	92	92	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	150	146	149	141	87	171	94	94	95	186	
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		
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		
Total Hydro		648	649	650	652	665	647	572	483	477	476	475	636	643	546	518	657	739	1005	1037	1046	1125	1220	1221	1217	1127	1125	1124	1124	1126	1374	1499	1570	1439	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	5	7	7	9	14	18	26	21	24	26	26	25	23	19	21	13	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	10	22	23	17	22	1	5	7	7	7	8	9	8	10	10	11	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	9	6	12	14	16	22	16	9	14	20	24	5	29	13	8	5	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	10	15	14	17	25	15	23	28	23	20	13	4	5	3	8	7	10	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	6	10	12	17	15	18	19	13	17	16	14	12	12	11		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	8	11	18	25	27	28	28	10	18	13	19	17	19	12	9		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	11	13	12	27	21	21	31	30	28	24	29	36	24	14	14	10		
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	9	11	12	13	21	16	18	15	15	27	13	9	8	10	5		
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	13	18	18	35	45	4	11	17	23	29	44	27	35	20	22		
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	15	23	25	21	29	33	44	61	49	28	27	49	75	33	38	39		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	12	16	3	11	18	25	30	21	4	43	40	22	14	11	12		
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	8	5	8	12	13	18	18	3	11	12	23	31	12	12	9		
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	18	21	38	63	57	59	69	40	40	73	60	46	0	50	44		
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	6	12	20	19	18	24	21	22	18	19	22	18	20	13	5		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	14	18	18	25	36	28	27	33	36	43	36	36	34	30	27		
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	21	22	26	41	67	103	108	109	93	55	38	60	83	62	41	36	31		

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		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	16	23	19	28	23	22	28	13	6	22	8	14	13	17	23	21	21	13	9	6	2	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	0	0	2	5	9	12	16	18	23	29	27	28	28	29	31	21	27	23	25	26	15	16	8	4	1	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	0	0	2	4	7	9	13	11	24	23	26	19	15	15	19	10	4	17	17	11	10	6	3	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	0	1	3	7	9	7	7	11	17	26	31	30	30	30	29	30	30	30	20	23	9	11	4	3	1	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	10	49	128	201	247	291	408	477	551	614	572	499	478	548	552	458	432	415	373	288	218	118	73	27	6	0	0	0	0	0	0	0	0	
PCUF	CUFG	29	28	28	27	28	29	28	29	30	27	28	28	29	28	29	29	27	28	27	28	28	29	29	28	29	29	29	29	29	28	28	28	28	28	28	30	29	27	28	29	28	28	28	28	28				
PCUF	CUFK	26	3	4	4	4	4	3	5	5	4	3	4	2	2	5	4	3	6	7	8	5	4	7	8	7	8	7	6	6	7	6	7	6	6	6	7	6	6	7	7	6	5	6	7	5	6	6	8	
Total Co-Gen		55	31	32	31	32	33	31	34	35	31	31	32	31	30	34	32	35	36	37	32	32	34	36	35	37	36	34	35	36	35	36	34	35	34	35	34	35	34	35	35	37	35	32	34	36	33	34	34	36
Total Gen		15547	15051	14724	14513	14308	13956	13749	13644	13393	13348	13322	13369	13552	13602	13531	13476	13961	14776	15598	15990	16470	16829	17031	17159	16928	16769	16580	17078	17412	17759	17824	17713	17710	17586	17505	17036	16607	16335	16413	17200	17481	17500	17448	17259	16865	16646	16532	16128	
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		-97	-97	-99	-97	-97	-97	-98	-96	-97	-99	-99	-97	-98	-98	-98	-98	-97	-99	-97	-96	-97	-99	-99	-99	-99	-99	-97	-99	-97	-97	-97	-99	-98	-96	-97	-97	-99	-99	-97	-99	-97	-97	-99	-98	-97	-97			
TIE-PLTG		141	174	163	111	148	82	186	125	134	162	169	159	192	160	106	139	97	104	86	61	83	74	83	95	79	89	67	86	108	210	206	91	106	65	130	142	213	149	98	136	138	139	141	110	183	130	113	101	
Interconnection		44	77	64	14	51	-15	89	28	37	65	69	60	95	63	8	40	-2	7	-14	-36	-13	-23	-16	-4	-20	-10	-32	-11	9	113	109	-7	9	-34	32	46	116	52	-1	37	41	40	44	13	84	32	16	4	
System Total		15503	14974	14660	14499	14257	13971	13660	13616	13356	13283	13253	13309	13457	13539	13523	13436	13963	14769	15612	16026	16483	16852	17047	17163	16948	16779	16612	17089	17403	17646	17715	17720	17701	17620	17473	16990	16491	16283	16414	17163	17440	17460	17404	17246	16781	16614	16516	16124	
SRev ST-Coal		178	246	248	406	469	513	516	551	567	574	557	556	566	559	550	532	548	274	175	159	150	168	159	172	172	202	174	207	146	159	156	193	169	188	196	205	208	185	152	143	151	142	151	140	158	126	115	115	
SRev CCGT-Gas		1410	1771	1852	1833	1967	2294	2460	2323	2476	2503	2540	2503	2463	2474	2510	2562	2397	2284	1901	1604	1181	1000	973	909	1158	1107	1163	771	638	501	577	751	780	663	565	572	721	347	762	519	431	384	229	552	542	607	548	1075	
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 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
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
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		675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	500	500	500	500	313	313	313	500	500	500	500	500	500	126	0	0	126	126	313	0	126	126	0	0	0	0	0	0	0	0	187	187
Hydro		396	395	394	392	392	379	397	392	481	487	488	489	328	321	418	446	394	312	349	317	308	329	421	420	424	327	329	330	330	378	629	430	559	464	521	496	266	639	703	584	414	361	562	678	754	687	596	564	
S.Reserve Total		2659	3087	3169	3306	3503	3861	4048	3941	4199	4239	4260	4223	4032	4029	4153	4215	4014	3545	2925	2580	2139	1997	1866	1814	2067	2136	2166	1808	1614	1538	1488	1374	1508	1441	1408	1586	1195	1297	1743	1289	1000	888	942	1445	1490	1458	1446	1941	