

Daily System Generation Summary on Thursday

Thursday, October 6, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	19,172 MW
Total Co-Gen	0 MW
Total System	24,972 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,351	7.12 %
Gas	36,460	9.85 %
Total TNB	62,811	16.97 %
ST-Coal	229,994	62.12 %
LSS	5,099	1.38 %
Gas	71,326	19.26 %
Total IPP	306,419	82.76 %
Co-Gen	456	0.12 %
Total Co-Gen	456	0.12 %
Total Generation	369,686	99.85 %
PLTG	-551	-0.15 %
Interconnection	-551	-0.15 %
Net Energy	370,237	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	18,423 MW
TNB Generation	2,937 MW
IPP Generation	14,376 MW
Spinning Reserve	1,092 MW
Maximum Demand	17,426 MW
Net Energy	370,237 MWH
Load Factor	88.53 %

Fuel Cost

Total Cost:	129,578,809.70 RM
Cost per Unit	35.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	726
Hydro	308
Syncon	285
Thermal	261
Total	1,580

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Rainy	23

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	92
Total TNB	121
CBPS	37
EMPP	249
NPRI	63
PCGP	81
PLPS	42
SPGP	133
Total IPP	604
Total Gas	725
Total Gas Required	725

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	14841	14281	13685	13391	13067	12771	13226	13243	13734	15267	16114	16662	16424	16183	16754	17348	17320	16987	16033	16441	16938	16690	16134	15736

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 2:47:08 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	699	663	404	384	216	214	215	214	213	215	214	214	211	214	213	424	686	703	703	699	701	702	710	704	690	698	718	703	702	702	701	704	707	704	703	704	706	706	694	708	707	707	708	706	705						
JMAH	U002	702	706	702	709	704	707	701	706	704	555	487	401	354	456	453	454	506	504	504	505	505	504	505	503	504	503	504	505	503	504	504	503	505	503	502	503	504	501	505	499	506	505	505	504	501	506					
JMHE	U001	980	981	892	901	900	899	901	900	847	849	846	849	849	849	859	850	885	974	972	977	976	974	976	976	974	974	978	977	974	975	979	974	974	980	975	972	974	977	974	973	963	976	980	974	976	973	975				
JMHE	U002	967	978	889	900	901	899	902	900	847	850	846	849	847	850	844	849	876	982	973	978	980	979	978	979	978	980	981	979	980	979	979	975	978	982	978	977	975	980	982	978	967	978	981	980	980	977	980				
JMJG	U001	671	671	665	667	663	662	668	666	670	671	661	666	669	664	667	666	668	671	667	665	668	667	668	666	668	672	671	671	668	667	666	667	672	668	671	669	667	666	668	666	671	672	670	668	666	662	667	666			
JMJG	U002	615	581	580	580	579	585	580	582	590	660	672	671	669	673	666	673	662	679	660	664	666	662	662	679	657	665	673	666	668	667	681	660	631	601	597	598	603	603	598	594	601	598	601	600	598	601	600	605			
JMJG	U004	974	974	937	903	904	902	903	904	904	906	904	904	903	901	902	904	906	965	975	973	973	975	969	975	975	974	972	974	975	975	975	976	974	976	977	973	976	975	974	972	972	977	972	971	972	972	974	974			
JMJG	U005	974	971	898	900	898	900	900	857	849	849	848	848	848	853	850	850	856	950	978	976	978	977	977	977	977	977	977	977	973	972	975	971	977	985	977	970	976	974	908	835	841	840	841	837	837	839					
PKLG	U003	148	191	212	212	213	229	244	247	255	261	242	203	170	131	139	142	142	144	145	146	145	145	144	207	209	234	276	273	280	234	205	201	224	224	211	210	208	206	205	198	202	200	144	132	116	145	145	145			
PKLG	U004	150	150	152	151	150	151	152	148	149	150	150	152	153	150	152	151	150	150	150	151	150	150	149	150	151	144	149	151	148	255	280	273	275	272	271	275	276	272	271	267	271	272	271	271	273	276	274				
PKLG	U005	269	269	267	271	269	267	269	269	269	268	269	270	270	267	269	270	268	273	354	444	472	464	465	473	476	481	478	476	481	478	479	479	479	465	462	469	468	466	467	466	446	466	467	467	465	465	466	466			
PKLG	U006	450	450	377	302	268	269	268	269	268	269	269	269	269	269	269	269	268	268	268	268	269	269	268	269	267	270	269	269	303	396	435	449	446	449	446	445	444	447	442	444	444	442	443	442	443	445	443				
TBIN	U002	702	702	704	700	704	703	699	701	700	702	700	675	702	701	700	702	702	698	698	701	701	698	699	700	701	700	699	698	701	703	697	696	697	701	695	700	701	702	698	702	699	698	706	697	700	697	700	700			
TBIN	U003	699	701	702	699	701	700	701	701	700	698	700	697	699	699	700	705	699	700	700	698	700	700	699	700	699	700	702	702	699	700	701	702	701	701	701	698	700	699	700	702	698	699	700	702	701	698	699				
TBIN	U004	936	936	903	692	904	902	903	872	852	854	855	853	854	853	853	853	863	935	937	936	937	936	940	936	936	936	939	938	936	936	937	939	935	936	936	936	938	938	937	935	934	933	934	934	935	933	938	935			
Total ST-Coal		9936	9924	9284	9181	8974	8989	9006	8936	8817	8757	8660	8521	8470	8530	8534	8552	8665	9317	9667	9784	9824	9800	9798	9895	9878	9916	9948	9955	9982	9949	10123	10168	10169	10122	10122	10118	10110	10102	10108	10083	10008	9915	9916	9896	9874	9897	9903	9912			
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	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	0	0		
CBPS	BLK2	189	191	197	201	201	201	196	201	191	189	185	194	205	201	189	201	205	204	199	201	202	199	201	201	197	197	196	207	201	271	266	273	272	271	269	197	193	198	206	265	263	260	260	262	256	199	197	190			
EMPP	BLK1	394	401	546	411	410	410	407	409	400	360	350	371	375	376	357	374	378	375	408	411	411	502	508	414	407	409	406	417	590	636	706	706	707	704	708	704	697	705	714	703	699	708	705	711	690	706	487	399			
EMPP	BLK2	394	400	540	411	411	409	407	410	400	360	350	371	375	376	358	375	378	375	409	412	411	675	694	700	407	410	407	521	699	711	705	712	709	708	710	696	655	589	718	655	659	711	708	711	703	710	705	687			
EMPP	BLK3	395	401	655	532	414	429	406	409	399	360	350	371	375	375	357	375	378	375	500	432	704	710	711	710	678	496	463	714	711	701	712	709	709	696	681	638	640	718	643	647	711	709	710	691	706	701	680				
GLGR	GT02	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91	91	92	91	92	92	92	92	91	92	92	91	92	92	91	92	92	91	92	92	91	92	92	91	92	92	91	92						
GLGR	ST1C	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	40	40	40	41	41	41	41	41	41	41	40	40	40	40	40	40	40	41	41	40	40	40	40	40	40	40	41					
NPRI	BLK2	323	321	336	336	334	334	327	335	321	317	311	325	339	336	317	334	351	337	333	335	336	335	335	335	322	333	328	345	331	520	443	523	523	527	406	459	322	335	434	499	481	516	517	503	496	489	455	321			
PCGP	PGRG	392	391	534	598	600	499	391	402	393	395	393	393	406	553	392	400	510	507	399	602	604	602	602	603	589	591	587	614	601	599	588	610	603	603	594	589	581	593	614	588	580	609	595	602	586	593	593	576			
PLPS	GT11	128	129	129	128	129	128	128	129	128	129	129	129	129	129	129	129	129	129	128	129	128	129	129	128	128	129	128	129	129	129	129	128	129	128	129	123	127	123	111	122	148	139	65	66	127	128					
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	105	108	119	143	135	64	64	0	0					
PLPS	ST18	57	57	57	56	57	57	57	57	56	57	58	57	57	57	57	57	57	56	58	57	58	58	58	57	57	58	58	58	57	57	58	58	58	58	57	58	57	58	57	58	57	58	57	122	136	145	141	94	91	82	58
SPGP	BLK1	321	360	0	0	0	0	0	176	322	346	586	684	707	711	709	710	711	699	697	599	597	722	718	717	701	699	598	596	598	592	503	500	497	493	491	486	496	505	491	488	508	494	498	494	495	493	484				
SPGP	BLK2	628	482	499	722	719	721	644	401	436	359	362	360	359	450	532	359	361	500	494	498	499	498	401	400	396	395	394	401	400	400	395	405	399	400																	

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	32	31	32	32	32	32	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	33	33	32	32	32	32	32	32	
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNYR	HY01	99	99	99	99	99	100	99	100	100	100	100	100	100	99	99	99	99	99	99	99	100	99	100	99	99	100	100	99	100	
KNYR	HY02	99	99	101	101	101	101	100	101	100	100	100	101	101	101	101	101	101	101	101	100	101	100	101	100	100	101	100	101	100	
KNYR	HY03	101	101	101	100	100	99	99	99	99	99	100	100	101	101	101	101	101	101	101	100	100	99	99	99	98	98	98	99	101	
KNYR	HY04	100	100	102	101	101	101	100	101	101	100	100	101	101	101	101	101	101	101	101	102	101	101	101	101	101	101	103	101	101	
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	21	22	22	22	22	22	22	19	19	20	20	20	20	20	22	22	
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	21	21	22	22	22	20	20	20	20	20	19	19	18	18	20	22	
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	23	21	22	22	22	22	22	22	22	22	22	22	21	22	22	22	22	82	82	82	82	82	82	82	82	82	82	82	82	
PGAU	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	83	83	83	83	83	83	83	83	83	83	83	82	82	
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	0	0	0	0	0	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	
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	
TMGR	HY01	80	31	-1	-1	0	0	-1	-1	-1	-1	0	-1	-1	-1	-1	80	79	79	79	79	79	79	79	79	79	79	79	79	79	
TMGR	HY02	42	41	86	59	81	86	46	87	44	44	43	44	86	48	45	53	86	72	73	57	77	84	84	47	43	43	44	76	76	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	79	79	79	79	79	79	79	79	79	79	79	
TMGR	HY04	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	79	79	79	79	79	80	80	79	79	79	79	79	79	
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	-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	
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	
Total Hydro		928	797	816	787	810	815	768	813	769	767	766	772	813	747	743	752	787	996	1105	1092	1232	1287	1273	1236	1232	1114	1112	1097	1098	1197
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	
BDLS	LSS1	0	0	0	0	0	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	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	0	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	0	0	0	0	0	0	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	0	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	0	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	0	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	0	0	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	0	0	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	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	0	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	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	0	0	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	0	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	0	0	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	0	0	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	0	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	0	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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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	2	5	6	7	3	4	7	19	23	27	27	25	24	7	14	25	30	22	7	1	5	2	0	0	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	25	111	155	262	402	487	453	626	710	793	810	749	780	761	719	637	485	399	313	203	191	100	25	5	5	0	0	0	0	0	0	0	0	0
KHTC	BLK1	1	2	2	1	4	5	2	2	2	2	2	2	3	2	3	1	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	1	0	0	1	
PCUF	CUFG	12	12	12	13	12	13	14	13	11	12	12	13	14	13	12	12	13	14	12	14	11	12	15	12	13	14	13	14	13	12	13	13	12	12	12	12	12	14	13	13	12	14	14	12	13	12	12		
PCUF	CUFK	4	4	4	5	4	5	5	5	5	5	3	5	4	4	3	5	3	3	4	3	5	4	3	5	4	5	5	5	4	4	5	4	3	10	10	8	7	11	11	10	9	10	7	10	6	4	4		
PFUZ	PFZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0			
Total Co-Gen		17	18	18	19	20	23	21	20	18	17	19	18	22	19	19	16	20	17	15	18	14	17	19	15	18	18	18	19	18	16	17	18	18	17	24	22	20	19	25	24	23	21	24	21	23	19	16	17	
Total Gen		14823	14594	14263	13932	13675	13613	13355	13120	13097	12975	12861	13064	13203	13456	13282	13255	13640	14650	15268	15667	16107	16460	16674	16727	16417	16172	16093	16458	16771	17329	17370	17331	17258	17273	16925	16522	16042	15955	16407	17026	16928	16881	16660	16538	16119	15981	15693	15388	
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-18	-28	-18	-46	-10	-48	-36	-49	30	25	90	10	-23	-25	39	-27	-94	-95	1	-58	-7	31	12	10	-7	-55	-90	-141	17	11	22	-95	-62	-42	-62	-27	9	19	-34	-3	-10	-2	-30	-60	-15	-58	-43	-10	
Interconnection		-18	-28	-18	-46	-10	-48	-36	-49	30	25	90	10	-23	-25	39	-27	-94	-95	1	-58	-7	31	12	10	-7	-55	-90	-141	17	11	22	-95	-62	-42	-62	-27	9	19	-34	-3	-10	-2	-30	-60	-15	-58	-43	-10	
System Total		14841	14622	14281	13978	13685	13661	13391	13169	13067	12950	12771	13054	13226	13481	13243	13282	13734	14745	15267	15725	16114	16429	16662	16717	16424	16227	16183	16599	16754	17318	17348	17426	17320	17315	16987	16549	16033	15936	16441	17029	16938	16883	16690	16598	16134	16039	15736	15398	
SRev ST-Coal		281	314	689	709	714	697	681	706	805	806	824	898	903	949	938	817	767	418	355	306	269	292	292	282	298	297	257	255	230	274	303	260	259	200	200	204	212	220	214	239	214	257	256	276	154	131	125	116	
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		2229	2316	1651	1503	1577	1662	1888	2097	2255	2364	2482	2345	2270	2008	2182	2258	2111	2003	1949	1577	1278	970	935	1022	1397	1579	1627	1286	861	325	378	304	328	328	493	676	933	937	663	437	453	236	194	205	565	722	867	1186	
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		462	462	550	550	462	462	550	550	550	550	550	462	550	550	550	550	462	374	374	374	374	374	374	374	374	374	374	374	374	374	374	187	187	187	187	374	374	374	374	0	0	0	187	374	374	374	374		
Hydro		429	473	366	395	373	368	414	369	413	415	416	411	369	435	439	430	395	361	340	353	213	208	211	248	252	370	372	337	336	248	247	341	305	306	386	251	373	372	329	538	539	332	388	289	328	328	331	327	
S.Reserve Total		3401	3565	3256	3157	3213	3276	3533	3722	4023	4135	4272	4203	4092	3942	4109	4055	3823	3244	3018	2610	2134	1844	1812	1926	2321	2620	2630	2252	1801	1221	1302	1092	1079	1021	1266	1505	1892	1903	1580	1214	1206	825	1025	1144	1421	1555	1697	2003	