

Daily System Generation Summary on Tuesday

Tuesday, July 5, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,430 MW
Distillate	0 MW
Total TNB	2,430 MW
Total IPP	19,111 MW
Total Co-Gen	0 MW
Total System	25,337 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,135	4.44 %
Gas	44,003	11.40 %
Total TNB	61,138	15.84 %
ST-Coal	234,786	60.85 %
LSS	3,657	0.95 %
Gas	86,300	22.37 %
Total IPP	324,743	84.16 %
Co-Gen	344	0.09 %
Total Co-Gen	344	0.09 %
Total Generation	386,225	100.09 %
PLTG	2,707	0.70 %
HVDC	-2,347	-0.61 %
Interconnection	360	0.09 %
Net Energy	385,865	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	19,250 MW
TNB Generation	3,130 MW
IPP Generation	14,745 MW
Spinning Reserve	1,359 MW
Maximum Demand	17,909 MW
Net Energy	385,865 MWH
Load Factor	89.77 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	661
Hydro	350
Syncon	598
Thermal	148
Total	1,757

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	83
Total TNB	112
CBPS	42
EMPP	273
NPRI	129
PCGP	76
PGLA	11
PLPS	36
SPGP	180
Total IPP	747
Total Gas	859
Total Gas Required	859

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	15802	15002	14529	13987	13631	13507	13642	13630	14127	15865	16666	17187	17014	16807	17412	17733	17890	17663	16654	16599	17802	17863	17423	16935

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 2, 2022 10:02:11 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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	706	705	707	707	605	604	606	608	532	303	305	307	405	614	610	609	700	706	709	707	705	707	705	707	706	705	707	706	705	706	706	703																
JMAH	U002	702	700	703	705	703	702	700	704	705	701	701	702	705	704	703	707	705	702	703	698	697	704	701	703	704	704	703	705	702	701	699	703	698	703														
JMHE	U001	978	979	930	930	881	876	880	852	847	852	851	852	848	849	848	850	849	944	975	979	982	981	982	979	978	980	978	979	977	980	979	976	975															
JMHE	U002	979	980	928	929	882	880	879	851	847	852	852	849	848	851	849	849	850	980	977	979	981	980	979	979	977	978	979	977	980	979	978	977	978	973														
JMJG	U001	666	666	667	665	668	665	668	667	666	667	665	674	669	668	666	667	666	667	667	673	666	666	666	668	666	667	668	666	668	665	662	668	667	594														
JMJG	U002	246	296	317	423	479	570	600	600	601	601	637	678	674	671	676	670	673	673	677	673	673	677	673	674	675	675	673	673	673	675	674	673	672	672														
JMJG	U003	669	671	668	671	664	669	673	671	671	668	669	671	673	668	672	669	672	679	666	672	672	671	671	671	667	668	674	668	672	668	670	672	673	665														
JMJG	U004	976	974	964	930	905	883	883	869	856	854	853	853	853	853	855	852	853	889	945	980	979	979	976	977	975	978	975	977	977	975	976	975	976	975														
PKLG	U003	277	277	278	277	214	150	147	149	151	151	151	151	151	150	150	150	188	259	276	275	280	280	278	280	276	278	277	277	276	276	270	269	269	272														
PKLG	U004	272	274	272	271	212	149	151	156	154	152	152	150	151	152	152	152	179	266	279	274	271	272	273	275	273	269	277	272	276	276	273	276	275	277														
PKLG	U005	468	464	464	468	405	313	264	269	269	269	270	267	270	268	270	268	285	353	466	475	466	466	467	468	469	465	466	472	466	467	457	468	467	466														
PKLG	U006	449	445	449	449	449	449	380	301	267	270	270	269	267	269	270	267	297	388	442	450	447	449	446	447	448	450	448	448	446	447	449	449	449	448														
TBIN	U002	699	701	701	701	701	701	701	701	701	701	701	701	701	701	700	700	700	700	700	700	700	700	700	698	698	698	698	698	698	698	698	698	698	698														
TBIN	U003	700	703	703	703	703	703	703	703	703	703	703	703	703	703	702	702	702	702	702	702	702	702	702	702	703	703	703	703	703	703	703	703	703	703														
TBIN	U004	935	936	937	937	891	883	882	864	852	855	855	851	853	851	855	855	854	904	940	940	936	940	941	940	939	943	940	940	940	941	939	941	940	939														
Total ST-Coal		9722	9771	9688	9766	9362	9197	9117	8965	8822	8596	8635	8678	8771	8972	8980	8967	9173	9812	10124	10177	10157	10175	10160	10166	10152	10169	10157	10170	10160	10159	10147	10153	10149	10154	10170	10160	10150	10150	10148	10159	10156	10143	10140	10156	10147	10159	10064	
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	218	223	222	222	216	223	222	218	215	222	223	223	224	223	220	222	225	225	223	222	223	223	222	215	219	219	219	223	263	354	353	351	351	351	219	220	220	222	319	361	362	361	359	355	219	217	210	
EMPP	BLK1	614	654	531	411	404	473	411	412	403	410	409	431	473	498	409	436	485	611	577	628	708	711	710	698	684	688	678	693	743	754	752	751	748	696	686	691	654	563	656	707	710	713	709	704	688	694	686	674
EMPP	BLK2	630	670	532	411	402	465	411	413	403	412	408	431	472	498	410	436	483	596	567	627	706	710	709	707	700	688	679	706	711	708	710	710	710	707	701	705	654	563	654	707	710	712	709	707	707	708	689	
EMPP	BLK3	615	649	515	411	402	446	410	412	402	411	408	424	467	492	410	426	479	608	568	633	705	711	710	697	685	662	652	691	710	708	710	710	710	696	686	691	653	564	655	707	710	712	711	704	687	693	686	672
GLGR	GT02	95	94	94	94	94	94	94	94	93	93	93	93	94	94	93	93	94	93	93	93	94	94	94	93	94	94	94	93	93	94	94	94	94	94	94	94	94	94	94	93	93	93	93	94	93	94	93	
GLGR	ST1C	40	40	39	40	40	39	40	40	40	41	40	41	39	41	40	40	40	40	40	40	40	40	40	40	40	41	41	40	40	41	41	41	41	41	41	41	41	40	41	41	41	41	41	41	41	41	41	
NPRI	BLK1	440	320	320	319	311	320	319	314	310	320	320	321	322	320	317	318	323	323	321	320	320	397	397	395	374	315	316	314	397	517	515	516	515	511	506	441	317	317	320	518	520	517	515	514	508	511	510	497
NPRI	BLK2	442	319	320	320	308	320	319	314	310	319	318	322	320	320	316	317	323	323	320	320	320	340	403	448	325	330	332	331	473	526	524	525	526	518	516	342	333	333	341	530	523	520	520	518	512	515	514	502
PCGP	PGRG	399	403	402	400	399	401	400	400	401	404	400	403	404	404	396	402	409	406	403	403	402	605	602	595	581	411	403	592	603	604	601	601	603	594	584	590	597	598	603	604	611	606	603	598	589	594	439	396
PGLA	GT12	180	160	161	161	157	162	162	160	159	162	169	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	ST10	94	92	91	91	89	91	91	89	89	91	54	0	0	0	0	0	0	0	0	0	0	0	0	0	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	124	124	124	124	125	125	124	124	124	124	125	124	124	125	124	125	124	125	124	124	124	125	125	125	124	125	125	125	125	124	124	124	125	124	124	125	124	125	125	125	124	125	125	124	124	124	124	
PLPS	ST18	59	59	59	58	59	59	59	58	59	59	59	59	59	59	60	59	59	60	59	59	59	59	60	59	59	59	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
SPGP	BLK1	329	326	450	550	681	399	399	400	400	401	400	400	401	399	400	402	400	402	598	600	722	716	714	726	722	721	720	728	721	718	723	723	722	722	725	724	721	723	720	720	719	721	720	721	724	724	725	651
SPGP	BLK2	724	401	401	402	400	401	400	401	401	403	399	400	403	402	401	399	401	400	597	600	720	720	721	723	723	723	723	723	722	721	724	723	722	723	724	724	723	724	724	721	724	725	723	722	725	723	651	
TJGS	GT2A	131	131	131	132	132	132	129	132	132	131	130	130	132	132	131	132	132	131	133	129	131	131	131	131	131	131	131	131	131	131	151	187	217	217	187	133	131	132	143	217	217	217	217	217	169	125	131	
TJGS	GT2B	127	127	127	125	125	127	125	125	125	125	128	125	125	125	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	144	147	183	211	211	183	125	127	127	139	213							

Daily MW Generation on Tuesday

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	HY01	101	101	101	101	100	101	101	101	100	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	100	100	100	101	101	101	101	101	101	100	101	100	100	
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	
KNYR	HY03	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	
KNYR	HY04	102	102	102	102	101	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	101	101		
LPIA	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	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
LPIA	HY02	18	18	20	23	23	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	23	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			
PGAU	HY03	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			
PGAU	HY04	21	21	21	21	21	22	22	22	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	21	21	21	22	21	21	21	21	22	21	21	22	21	22	22	22	21	21	21	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	0	30	30	30	30	50	50	50	30	30	30	30	30	30	50	50	50	50	50	50	
SIHY	HY03	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	30	30	30	30	50	50	50	30	30	30	30	30	30	50	50	50	50	50	50	50		
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25				
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	17	17	17	17	25	25	25	17	17	17	17	17	25	25	25	25	25	25	25	25	25		
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	17	17	17	17	25	25	25	25	25	25	25	25	25			
TMGR	HY01	43	43	43	43	41	43	43	43	42	43	43	43	43	42	42	43	43	46	43	43	45	45	43	42	41	42	43	42	43	86	87	84	86	50	42	43	43	43	48	83	52	73	84	43	42	42	43	39
TMGR	HY02	0	0	0	0	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			
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			
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	-1	-1	87	34	-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	-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	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	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total Hydro		682	682	620	623	619	626	615	615	613	615	614	615	615	613	614	615	614	616	616	614	612	611	607	607	690	719	762	763	817	818	870	754	718	719	719	742	775	1007	1120	1130	992	806	807	802	799			
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	7	14	11	16	12	13	11	22	17	13	12	15	22	14	22	11	7	9	4	1	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	1	3	5	7	12	15	17	16	13	14	17	19	18	17	12	11	7	7	8	7	5	3	1	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	2	6	9	10	10	10	19	18	23	27	18	14	12	11	15	15	9	9	6	7	5	4	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	5	7	8	10	19	33	28	22	14	36	15	19	19	47	14	35	29	21	16	8	5	6	1	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	7	9	13	18	14	15	10	14	8	9	18	12	14	10	10	8	5	4	1	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	1	9	13	16	11	16	28	21	28	19	22	18	12	9	9	7	5	4	2	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	3	8	20	11	9	11	18	32	23	21	19	20	17	14	23	16	11	9	12	9	8	5	2	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	2	4	6	8	8	9	13	20	16	14	23	17	13	22	17	12	10	9	9	5	5	3	1	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	1	1	2	1	7	16	17	47	35	45	17	4	28	32	21	21	36	14	12	7	5	3	1	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	4	10	20	27	30	32	26	56	51	65	90	44	39	38	33	42	42	32	25	20	21	17	14	8	4	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	5	7	13	15	16	11	17	21	23	31	17	18	16	15	17	10	10	9	8	6	5	2	1	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	2	4	8	9	10	8	15	19	18	17	12	12	13	11	14	14	12	8	6	5	3	1	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	4	11	18	31	30	30	29	19	28	52	40	45	38	38	20	31	24	24	18	24	19	9	4	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	1	4	6	11	11	14	10	7	9	17	14	17	13	13	11	10	10	10	7	8	6	3	1	0	0	-1	0	0	0	0	0	0		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	10	14	13	17	15	20	21	16	26	25	2																				

Daily MW Generation on Tuesday

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 Gen		15875	15454	15036	14868	14535	14310	14055	13895	13712	13550	13541	13530	13657	13925	13660	13728	14148	15211	15872	16161	16664	17021	17211	17272	16996	16839	16755	17099	17426	17710	17771	17825	17878	17891	17668	17176	16701	16348	16607	17272	17768	17876	17856	17696	17462	17218	16954	16589	
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	0
TIE-HVDC		-100	-97	-98	-97	-97	-98	-96	-98	-97	-98	-98	-98	-99	-97	-99	-99	-99	-99	-98	-98	-96	-99	-99	-97	-99	-99	-97	-97	-96	-97	-99	-96	-96	-99	-99	-97	-98	-96	-96	-99	-99	-97	-98	-96	-96	-98	-98	-100	-100
TIE-PLTG		172	134	132	141	103	140	164	94	178	99	132	144	112	132	127	137	120	121	105	70	95	90	123	94	80	43	47	54	113	108	135	102	85	79	102	129	146	159	104	85	65	96	92	103	135	107	116	170	
Interconnection		73	37	34	44	6	41	68	-3	81	1	34	46	15	33	30	38	21	22	7	-27	-2	-8	24	-3	-18	-56	-52	-43	14	8	38	3	-12	-18	5	32	47	63	8	-14	-34	-1	-7	7	39	10	19	71	
System Total		15802	15417	15002	14824	14529	14269	13987	13898	13631	13549	13507	13484	13642	13892	13630	13690	14127	15189	15865	16188	16666	17029	17187	17275	17014	16895	16807	17142	17412	17702	17733	17822	17890	17909	17663	17144	16654	16285	16599	17286	17802	17877	17863	17689	17423	17208	16935	16518	
SRev ST-Coal		171	162	245	347	576	598	611	629	640	652	699	654	653	663	656	660	589	391	179	126	146	128	143	137	151	134	146	133	143	144	156	150	154	149	149	133	143	153	153	155	144	147	160	163	147	156	144	212	
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 CCGT-Gas		1351	1820	2453	2701	2628	2695	2857	2866	2906	2842	2892	2814	2552	2481	2756	2679	2507	2146	1865	1686	1212	905	847	827	1028	1282	1314	1038	734	518	378	377	296	291	329	761	1168	1432	1142	477	232	221	236	259	321	558	830	1096	
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 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		588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	489	676	676	676	676	676	401	401	401	401	676	676	676	676		
Hydro		355	355	317	314	318	311	322	322	324	322	323	322	322	324	323	322	322	319	322	322	320	320	322	324	325	329	329	373	394	351	350	296	295	430	546	395	394	394	371	338	406	293	283	421	332	331	336	339	
S.Reserve Total		2579	3039	3717	4064	4224	4306	4492	4519	4545	4491	4589	4465	4202	4143	4410	4336	4094	3532	3042	2810	2354	2029	1988	1964	2180	2421	2465	2220	1947	1689	1560	1499	1421	1359	1513	1965	2381	2655	2342	1646	1183	1062	1080	1244	1476	1721	1986	2323	