

Daily System Generation Summary on Wednesday

Wednesday, July 20, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,304 MW
Distillate	0 MW
Total TNB	2,304 MW
Total IPP	19,762 MW
Total Co-Gen	0 MW
Total System	25,409 MW

Generation Mix

Type	MWh	Percentage
Hydro	28,455	7.39 %
Gas	33,931	8.82 %
Total TNB	62,386	16.21 %
ST-Coal	236,251	61.38 %
LSS	4,653	1.21 %
Gas	79,743	20.72 %
Total IPP	320,647	83.31 %
Co-Gen	620	0.16 %
Total Co-Gen	620	0.16 %
Total Generation	383,653	99.68 %
PLTG	1,120	0.29 %
HVDC	-2,338	-0.61 %
Interconnection	-1,218	-0.32 %
Net Energy	384,871	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	19,953 MW
TNB Generation	2,965 MW
IPP Generation	14,815 MW
Spinning Reserve	2,118 MW
Maximum Demand	17,874 MW
Net Energy	384,871 MWH
Load Factor	89.72 %

Fuel Cost

Total Cost:	140,334,998.19 RM
Cost per Unit	36.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,443
Hydro	378
Syncon	374
Thermal	149
Total	2,344

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	78
Total TNB	107
CBPS	39
EMPP	257
NPRI	127
PCGP	69
PLPS	37
SPGP	131
Total IPP	659
Total Gas	766

Total Gas Required 766

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	15878	15114	14540	14086	13692	13490	13762	13702	14132	15738	16620	17183	17056	16750	17396	17800	17874	17614	16428	16394	17633	17742	17161	16799

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, August 6, 2022 10:40:42 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	708	707	706	705	706	706	705	705	604	503	505	506	510	508	506	505	667	706	707	704	706	706	705	706	706	705
JMAH	U002	707	706	705	704	705	706	707	705	710	707	705	705	707	708	706	705	705	706	704	708	706	704	702	707	705	707
JMHE	U001	981	982	978	848	851	850	849	851	849	849	848	851	848	853	852	852	849	959	983	981	981	982	978	980	984	977
JMHE	U002	980	980	978	850	853	850	850	849	849	850	853	851	852	850	853	851	848	938	980	979	980	980	978	979	980	978
JMJG	U001	663	666	666	667	668	666	667	666	667	665	666	665	663	668	668	668	671	671	667	660	664	664	660	662	666	663
JMJG	U002	673	678	673	673	673	672	673	674	674	677	676	673	677	681	679	679	678	672	674	677	673	678	675	672	672	677
JMJG	U003	668	670	672	666	671	670	671	671	667	672	670	672	671	671	672	668	674	670	673	667	677	669	665	667	669	666
JMJG	U004	980	979	979	930	874	851	851	851	852	854	851	851	852	852	854	853	878	938	981	978	969	968	974	967	968	968
PKLG	U003	253	253	253	254	254	251	170	147	149	148	150	150	149	150	151	194	253	271	271	276	276	275	277	277	275	275
PKLG	U004	276	278	274	281	276	201	139	155	155	157	157	158	157	155	156	155	198	262	275	274	278	276	274	273	274	273
PKLG	U005	468	464	470	470	466	389	295	269	268	268	268	269	268	271	269	299	381	459	464	464	453	468	462	466	467	468
PKLG	U006	446	448	450	449	449	448	400	293	267	269	269	269	269	268	268	269	306	396	444	449	449	446	448	449	445	446
TBIN	U002	700	702	706	700	698	703	699	702	701	702	696	701	701	703	700	700	697	699	702	701	702	701	703	700	700	702
TBIN	U003	703	703	694	703	700	701	702	702	700	702	700	701	705	697	703	698	705	701	701	702	698	700	699	703	701	700
TBIN	U004	942	941	940	869	852	854	852	854	855	851	852	854	855	854	855	854	857	850	851	893	938	930	937	939	939	936
Total ST-Coal		10148	10157	10144	9769	9696	9518	9230	9094	8967	8874	8866	8875	8886	8885	8895	8873	9195	9784	10118	10144	10171	10144	10152	10151	10165	10138
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
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
CBPS	BLK2	223	223	220	222	225	222	223	220	216	222	217	223	222	225	222	222	224	215	220	223	223	219	220	223	221	223
EMPP	BLK1	597	426	408	415	377	375	375	374	369	375	370	377	375	375	376	375	374	365	409	502	570	681	702	700	656	611
EMPP	BLK2	594	427	409	418	376	375	374	374	369	375	370	377	375	375	376	375	375	365	409	502	573	681	706	708	660	613
EMPP	BLK3	621	439	408	414	377	375	375	375	369	375	370	377	375	375	376	376	375	365	409	516	592	706	704	701	679	626
GLGR	GT02	92	92	92	92	92	92	93	93	93	93	93	93	93	93	93	93	94	94	94	94	94	94	93	93	93	93
GLGR	ST1C	40	41	41	41	41	41	40	41	41	40	41	41	40	40	40	40	41	41	40	41	41	40	41	41	40	40
NPRI	BLK1	311	311	308	313	312	309	311	306	302	310	303	311	310	313	307	309	311	299	307	311	309	310	394	395	354	307
NPRI	BLK2	335	335	334	340	338	335	338	331	327	336	326	337	336	355	332	334	336	323	331	335	332	337	400	418	346	334
PCGP	PGRG	404	404	395	412	404	398	402	395	393	402	393	404	399	404	394	398	402	401	407	405	399	400	398	395	401	397
PLPS	GT11	128	129	128	129	129	129	129	129	129	129	129	129	129	129	129	129	129	128	131	129	129	129	129	129	129	129
PLPS	ST18	56	56	56	56	56	56	57	56	56	56	56	57	57	57	56	57	57	57	57	57	57	58	57	57	57	57
SPGP	BLK1	360	362	359	360	361	362	360	361	361	362	362	361	363	360	360	360	362	361	359	401	400	401	401	400	401	402
SPGP	BLK2	359	362	360	359	361	362	361	362	362	362	361	359	362	361	360	360	361	361	360	401	402	402	402	402	400	403
TJGS	GT2A	131	132	131	131	131	131	131	131	131	131	131	131	131	133	130	130	130	130	130	130	130	130	130	130	130	130
TJGS	GT2B	126	126	126	126	126	127	128	125	128	125	125	125	125	125	125	125	125	127	127	127	127	126	126	126	126	126
TJGS	ST2C	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	193
Total CCGT-Gas		4572	4060	3970	4023	3901	3884	3891	3868	3841	3888	3842	3895	3887	3915	3872	3877	3891	3826	3981	4364	4573	4912	5099	5111	4891	4684
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	0
BSIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	11	11	11	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	11	11	11	0	0	0	0	0	0	0	11	22	22
BSIA	HY03	23	23	23	23	23	23	23	23	22	23	22	22	23	10	10	10	10	22	23	23	23	23	23	23	23	23
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
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
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
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	7	7
HTRG	HY01	123	124	124	124	125	123	62	62	62	-1	-1	-1	62	124	124	124	124	123	122	123	122	122	123	123	122	122
HTRG	HY02	120	121	121	63	62	62	63	63	63	63	63	63	63	63	63	63	63	120	121	122	122	121	121	121	121	121
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
KNRG	HY01	32	32	32	21	21	20	21	20	20	20	21	21	21	21	21	21	21	21	33	33	33	33	33	33	33	33

Daily MW Generation on Wednesday

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	HY02	36	36	36	22	22	21	21	21	20	21	21	22	21	21	21	36	36	36	36	36	36	24	25	24	23	23	23	23																						
KNRG	HY03	35	35	35	22	22	22	22	22	22	22	22	23	22	22	23	35	35	35	35	35	35	21	22	22	22	22	22	22																						
KNYR	HY01	101	101	101	101	101	101	100	100	100	100	101	101	101	101	101	101	101	101	100	101	101	101	101	101	101	101	101																							
KNYR	HY02	105	106	105	105	105	105	106	105	105	105	105	106	105	105	105	105	105	105	105	106	105	105	105	105	105	105	105																							
KNYR	HY03	105	105	105	105	105	105	104	104	104	104	105	105	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105																							
KNYR	HY04	102	102	102	102	102	102	101	101	101	101	101	101	101	101	102	102	102	102	102	102	102	102	102	102	102	102	101																							
LPIA	HY01	15	15	15	15	14	14	14	14	14	14	14	13	13	13	12	15	18	16	16	20	20	20	18	19	19	19	17																							
LPIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	16	18	23	23	20	20	20	20	19	19	18	18	17																							
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																							
PGAU	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	21	21	82	82	113	-1																							
PGAU	HY03	23	23	23	23	23	22	22	23	22	22	22	23	23	23	24	22	22	22	22	22	22	21	22	22	22	21	21																							
PGAU	HY04	22	23	23	22	22	23	22	22	22	21	22	22	23	23	23	24	22	22	22	22	22	21	22	22	23	23	22																							
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	30	30	0																							
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	60	30	30	30	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																							
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																							
TMGR	HY01	42	43	43	68	-1	-1	-1	-1	-1	-1	0	85	86	-1	-1	-1	84	84	84	84	84	84	84	84	84	84	84	84																						
TMGR	HY02	87	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	87	87	87	87	87	87	87	87	87	87	87	87																						
TMGR	HY03	84	84	0	0	0	0	0	0	0	0	0	0	0	0	0	82	84	84	85	84	84	85	84	84	84	84	84	84																						
TMGR	HY04	41	41	41	66	41	41	86	41	40	42	40	45	73	83	58	42	67	39	63	84	84	84	65	82	84	84	84	84																						
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																							
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																							
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	5	5	5	5	5	5	5																						
UPIA	HY02	5	5	5	5	5	5	4	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	4	4	4	4	4																							
Total Hydro		1201	1206	1033	986	892	888	872	827	820	761	756	767	944	1020	868	854	880	1252	1283	1311	1311	1311	1311	1292	1305	1318	1332	1331	1334	1329	1332	1380	1386	1406	1382	1330	1411	1399	1230	1424	1436	1463	1313	1268	1293	1330	1170	1249		
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			
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	9	12	11	17	22	24	26	22	26	23	21	16	15	11	9	7	6	4	3	1	0	0	0	0	0	0	0	0				
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	12	16	16	17	24	25	19	26	32	32	22	18	28	21	14	8	6	4	2	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	2	7	11	16	20	20	26	28	25	14	26	31	20	19	18	23	24	26	12	11	10	5	3	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	5	6	14	16	17	19	8	12	15	9	11	16	18	19	16	18	13	10	11	9	5	3	3	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	2	3	6	7	8	12	13	17	16	8	11	4	8	7	9	9	8	6	2	3	2	1	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	1	0	0	2	2	4	5	6	4	2	1	5	4	3	2	5	3	4	3	2	2	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	2	5	10	17	20	23	22	34	30	29	40	22	41	41	39	31	28	14	16	12	8	5	1	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	2	6	9	13	16	12	16	22	17	27	21	27	25	27	17	12	10	11	14	8	6	3	2	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	1	1	2	4	5	0	2	4	8	12	14	18	20	20	13	7	18	22	19	14	10	8	3	1	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	5	10	26	37	50	60	64	41	80	57	49	34	87	32	35	55	55	75	64	38	36	29	18	11	4	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	1	2	9	14	19	25	31	34	38	38	33	29	36	46	32	36	37	21	22	9	15	16	9	4	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	1	5	7	12	16	19	22	27	13	19	12	21	17	19	18	16	24	23	15	12	11	5	2	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	2	9	24	43	57	68	80	83	86	94	100	96	93	22	100	64	48	83	62	49	38	24	12	6	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	2	8	13	17	22	26	28	30	27	30	23	30	30	30	30	21	28	30	30	23	19	13	10	4	2	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	1	5	8	13	17	21	21	16	19	26	22	16	31	19	24	31	20	14	10	7	2	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	1	3	10	12	17	28	30	50	32	33	50	52	30	63	39	48	51	35	26	18	11	3	1	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	7	12	27	42	47	58	63	47	53	53	42	42	44	47	53	40	32	27	22	17	12	7	7	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	1	4	8	11	16	13	14	15	13	31	22	21	17	16	8	10	26	29	31	16	11	8	5	1	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	1	4	8	15	8	21	21	33	22	37	38	37	40	39	38	35	31	28	23	17	15	7	4	2	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	1	2	4	8	7	3	1	2	1																											

Daily MW Generation on Wednesday

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	13	61	148	260	354	435	514	508	593	578	564	560	644	499	591	519	517	562	459	327	264	194	99	50	4	0	0	0	0	0	0	0	0
PCUF	CUFG	4	6	5	7	7	5	5	5	5	7	6	5	5	6	5	7	5	5	5	6	5	6	5	5	4	5	6	28	28	29	28	28	29	27	29	27	11	6	6	28	28	28	28	28	6	4	5	4
PCUF	CUFK	4	5	3	6	5	4	4	5	4	4	5	5	4	4	3	4	4	4	5	5	4	4	4	3	5	4	4	21	28	28	26	25	26	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26
Total Co-Gen		8	11	8	13	12	9	9	10	9	11	11	10	9	10	8	11	9	9	10	11	9	10	9	8	9	9	10	49	56	57	54	53	55	52	55	53	37	32	32	54	54	54	54	54	32	30	31	30
Total Gen		15929	15434	15155	14791	14501	14299	14002	13799	13637	13534	13475	13547	13726	13830	13643	13628	14036	15019	15652	16184	16499	16891	17079	17155	16948	16713	16678	17006	17301	17722	17760	17781	17835	17794	17579	16959	16398	16177	16358	17156	17599	17700	17662	17436	17123	17012	16762	16317
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		
TIE-HVDC		-97	-100	-96	-97	-97	-97	-97	-99	-99	-99	-97	-99	-96	-97	-99	-98	-98	-98	-98	-97	-97	-98	-98	-99	-99	-97	-97	-96	-97	-97	-97	-97	-99	-97	-99	-97	-97	-97	-97	-98	-98	-96	-96	-96	-97	-97	-97	-99
TIE-PLTG		148	106	137	91	58	58	12	13	44	77	82	70	63	48	38	51	1	71	12	-8	-24	-9	-7	34	-9	9	25	7	1	31	58	23	58	37	61	87	68	46	61	19	64	81	16	75	60	74	60	63
Interconnection		51	6	41	-6	-39	-39	-84	-84	-55	-22	-15	-28	-36	-48	-59	-48	-96	-26	-86	-106	-121	-105	-104	-64	-108	-90	-72	-90	-95	-66	-40	-74	-39	-62	-35	-10	-30	-51	-36	-79	-34	-16	-80	-21	-38	-23	-37	-36
System Total		15878	15428	15114	14797	14540	14338	14086	13883	13692	13556	13490	13575	13762	13878	13702	13676	14132	15045	15738	16290	16620	16996	17183	17219	17056	16803	16750	17096	17396	17788	17800	17855	17874	17856	17614	16969	16428	16228	16394	17235	17633	17716	17742	17457	17161	17035	16799	16353
SRev ST-Coal		121	112	125	397	440	501	582	577	655	650	662	655	647	646	644	664	612	440	185	159	132	159	161	152	138	165	148	152	142	136	153	135	154	165	147	153	145	144	132	137	140	136	141	163	139	140	149	144
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		2235	2747	2837	2784	2906	2923	2916	2939	2966	2919	2965	2912	2920	2892	2935	2930	2916	2981	2826	2443	2234	1895	1708	1696	1916	2123	2186	1976	1556	1229	1102	1144	1124	1068	1148	1645	2209	2319	1932	1299	861	791	674	833	1173	1318	1400	1928
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
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
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
Syncon		374	374	462	462	550	550	550	550	550	676	676	588	462	462	550	550	550	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	395	208	
Hydro		405	400	398	445	451	455	471	516	523	456	461	451	487	411	475	489	463	380	349	321	321	321	321	340	327	338	324	325	322	327	324	472	466	446	470	522	371	383	622	428	416	389	389	434	429	392	431	353
S.Reserve Total		3135	3633	3822	4088	4347	4429	4519	4582	4694	4701	4764	4693	4516	4411	4604	4633	4541	4175	3734	3297	3061	2749	2564	2562	2755	3000	3032	2827	2394	2066	1953	2125	2118	2053	2139	2694	3099	3220	3060	2238	1791	1690	1578	1804	2115	2224	2375	2633