

Daily System Generation Summary on Saturday

Saturday, May 15, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,909 MW
Total Co-Gen	0 MW
Total System	22,832 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,249	4.45 %
Gas	47,029	14.69 %
Total TNB	61,278	19.14 %
ST-Coal	187,769	58.65 %
LSS	3,420	1.07 %
Gas	67,692	21.14 %
Total IPP	258,881	80.86 %
Co-Gen	169	0.05 %
Total Co-Gen	169	0.05 %
Total Generation	320,328	100.06 %
PLTG	-541	-0.17 %
HVDC	722	0.23 %
Interconnection	181	0.06 %
Net Energy	320,147	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,821 MW
TNB Generation	3,645 MW
IPP Generation	11,886 MW
Spinning Reserve	1,284 MW
Maximum Demand	15,537 MW
Net Energy	320,147 MWH
Load Factor	85.86 %

Fuel Cost

Total Cost:	44,975,158.83 RM
Cost per Unit	14.04 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	276
Hydro	297
Syncon	464
Thermal	425
Total	1,462

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Rainy	26

Gas Usage

Station	(mmscfd)
GLGR	56
SRDG	2
TJGS	146
Total TNB	205
CBPS	54
NPRI	156
PLPS	3
SKSP	12
YPKA	6
Total IPP	232
Total Gas	436
Total Gas Required	436

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	13869	13260	12699	12169	11849	11635	11558	11303	11175	12036	12865	13310	13358	13395	13848	14087	14274	14148	13903	14233	15527	15501	15009	14774

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:53:32 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	695	599	497	502	503	399	401	401	400	401	402	358	351	351	351	353	351	349	404	402	503	565	695	693	693	691	694	692	693	694	693	693	692	690	692	691	692	693	693	693	693	694	692	692	600	603	601					
JMHE	U001	903	902	844	852	836	801	800	750	749	752	750	750	751	753	752	751	751	747	750	798	802	801	869	871	870	869	871	870	869	869	868	899	901	898	898	901	897	900	899	976	983	979	979	983	980	980	979	978				
JMHE	U002	901	900	848	853	849	802	801	752	748	750	750	751	751	749	748	753	747	749	799	800	798	870	871	871	870	872	871	870	871	868	902	901	899	899	900	899	902	900	985	980	981	979	983	979	980	980	980					
JMJG	U001	662	666	668	673	662	667	667	666	667	666	666	667	668	669	668	664	668	667	667	666	667	668	665	666	666	665	667	664	662	669	668	668	671	667	667	671	667	661	667	665	669	669	663	668	666	671	667	662				
JMJG	U002	673	673	673	672	671	673	671	672	673	672	672	673	675	674	674	672	672	673	673	674	673	672	673	673	671	671	675	672	673	671	673	673	673	672	673	673	677	673	678	671	673	675	674	672	671	673	671	667				
JMJG	U003	682	666	667	670	665	668	676	670	667	671	668	671	662	666	667	668	671	671	667	671	669	669	669	666	657	672	672	667	660	667	662	667	662	668	665	670	666	662	662	666	662	667	663	667	668	666	663	662				
JMJG	U005	892	888	873	849	850	801	801	748	748	751	751	751	749	752	752	754	752	749	749	804	801	874	874	872	871	869	867	872	870	868	890	891	890	886	889	887	889	891	891	888	892	889	892	891	889	890	889	892				
PKLG	U004	279	278	284	279	276	278	276	277	274	274	276	276	208	150	149	154	154	156	157	157	156	156	154	154	153	157	156	157	158	157	158	157	155	157	161	250	274	277	275	277	276	277	179	150	150							
PKLG	U006	447	450	450	448	447	449	449	449	449	450	449	447	448	387	313	271	268	266	269	270	268	268	272	269	267	268	271	267	269	271	268	266	272	269	265	270	269	282	345	423	449	451	449	448	447	449	379	278	268			
TBIN	U001	691	689	634	601	600	601	600	600	601	495	501	496	500	500	501	396	401	475	651	691	684	687	688	684	686	684	688	686	686	688	687	688	686	683	685	686	688	688	687	687	686	689	687	687	689	687	687	689	687	689		
TBIN	U003	692	692	688	636	606	604	603	604	604	497	506	503	503	503	398	405	465	659	692	692	691	693	692	687	690	693	699	688	692	693	683	690	692	691	690	693	694	691	689	692	693	691	698	691	689	690	694					
TBIN	U004	904	905	853	853	854	804	802	757	752	754	752	753	753	753	751	753	753	752	803	801	851	875	874	874	874	874	873	873	872	899	905	901	904	903	903	904	900	904	946	977	982	983	980	982	982	984	982					
Total ST-Coal		8421	8308	7979	7888	7819	7547	7547	7346	7333	7132	7141	7096	6958	6835	6790	6577	6597	6719	7149	7424	7517	7705	7996	7985	7968	7980	7993	7992	7971	7986	8025	8098	8095	8083	8085	8099	8114	8258	8369	8592	8633	8643	8629	8645	8633	8376	8241	8225				
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				
CBPS	BLK2	349	359	362	359	359	366	358	358	357	359	360	360	362	362	359	359	362	366	357	357	363	363	362	362	362	353	357	357	362	362	356	360	362	362	357	360	362	362	365	360	354	354	361	361	355	355	363	363				
EMPP	BLK1	748	748	748	749	748	750	750	749	750	750	749	751	749	750	749	749	749	750	749	749	749	750	750	740	720	728	746	741	745	724	742	742	720	720	724	744	742	745	744	728	730	745	737	731	749	754	753					
GLGR	GT01	100	101	100	101	102	101	101	100	100	101	100	101	100	91	68	81	101	102	101	100	101	100	98	87	69	78	101	101	99	100	99	100	100	87	85	69	66	91	100	100	100	101	100	102	100	101						
GLGR	GT02	101	100	100	100	101	101	101	101	101	101	101	101	100	101	91	67	82	101	101	101	100	100	101	100	86	68	80	100	100	100	100	100	101	100	86	85	67	67	93	100	100	100	100	101	100	100	101					
GLGR	ST1C	91	91	92	91	91	91	91	91	91	91	91	91	91	91	89	73	76	90	91	91	91	91	91	87	73	76	91	91	92	92	91	91	91	87	83	73	73	83	91	91	91	92	91	91	92	91						
NPRI	BLK1	506	511	505	515	512	517	512	516	505	514	512	514	515	516	514	514	518	518	512	516	517	516	516	515	514	504	511	515	514	515	509	515	515	508	506	512	517	514	515	520	507	509	515	514	509	515	516	516				
NPRI	BLK2	339	327	325	377	427	527	463	511	416	455	482	545	526	525	488	458	527	529	515	520	520	518	518	518	517	491	515	518	518	509	518	519	496	491	515	518	517	518	521	494	496	519	516	510	516	516	516					
PCGP	PGRG	590	594	590	601	600	606	599	602	590	601	598	601	603	603	601	601	608	606	597	602	603	604	602	602	601	587	598	601	601	602	592	603	602	592	591	597	604	602	605	609	591	593	601	603	594	602	603	602				
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	46	46	46	45	44	44	43	44	44	44	44	44	44	44	42	45	45	45	4	0	0	0	0				
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	0	0	0	0	0	0	0	0	0	0	12	54	118	157	327	341	338	341	343	343	342	342					
SPGP	BLK1	718	720	719	419	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	BLK2	718	719	720	720	718	718	719	718	718	720	718	719	718	719	719	717	719	717	718	718	717	720	718	719	718	718	719	719	719	720	720	720	721	720	720	719	722	721	722	720	716	717	718	716	719	719	719					
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	140	173	233	227	226	222	224	224	227	226	226	226	223	225	226	224	225			
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	65	67	66	70	69	210	222	225	224	162	169	169	167	212	218	215	215	214	215	219	217	219	217	216	217	217		
TJGS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	80	111	114	114	92	92	92	96	226	244	244	244	244	244	244	244	244	244	244	244
TJGS	GT2A	175	180	179	148	146	151	145	148	143	146	146	146	151	190	184	143	152	188	182	188	217	215	217	217	215	210	212	215	212	215	211	215	213	212	209	212	214	164	171	220	209	212	213	214	213	216	218	217				
TJGS	GT2B	173	179	178	147	144																																															

Daily MW Generation on Saturday

		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	36	26	24	25	24	25	24	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	25	25	25	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	37	24	24	25	24	25	24	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	25	25	25	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	24	24	24	24	25	24	26	25	24	26	25	25	26	26	25	26	38	38	38	38	38	38	38	38	38	38	38	38	38	36	36	36	36	36	36	23	23	23	36	36	36	36	36	36	36	36	36	36	
KNYR	HY01	55	53	53	55	55	59	59	58	58	56	57	57	58	58	-1	-1	-1	102	59	59	59	102	56	57	58	-1	-1	59	59	100	100	99	100	99	99	-1	-1	-1	59	66	56	56	56	56	-1	-1	-1	-1	-1	
KNYR	HY02	57	55	55	62	57	92	60	59	60	58	59	60	58	59	60	76	76	61	59	87	101	61	89	101	68	88	78	60	59	59	88	61	81	60	60	61	60	59	59	60	63	98	102	58	58	58	59	98	101	100
KNYR	HY03	55	54	53	96	96	100	99	98	98	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	58	59	58	-1	-1	58	98	60	60	60	99	58	58	-1	-1	58	66	57	57	-1	-1	-1	-1	-1		
KNYR	HY04	56	54	53	56	56	60	59	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	102	101	100	102	58	58	57	0	0	0	58	58	58	58	58	58	59	61	61	
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20			
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20			
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	3	3			
PGAU	HY01	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	18	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	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	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20			
PGAU	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	0	0	0	0	0	0	0	0	0	0	0	7	20	20	20	0	0	0	0		
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	0	30	30	30	30	30	48	48	47	48	48	48	47	47	47	47	47	47	47	31	
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	0	22	30	30	30	30	50	50	50	50	50	50	50	50	50	50	50	50	50	30	
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	0	0	0	0	30	50	50	50	50	50	50	50	50	50	50	50	50	30			
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	0	17	17	17	17	17	25	25	25	25	25	25	25	25	25	25	25	25	17		
SYPS	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	0	17	17	17	17	17	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	0	0	0	0	0	0	0	17	25	25	25	25	25	25	25	25	25	25	25	25	17			
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	0	0	0	0	17	25	25	25	25	25	25	25	25	25	25	25	25	17			
TMGR	HY01	32	33	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	35	35	34	-1	-1	85	85	85	33	33	33	32	32	-1	-1	-1	-1	84	84	84	84	-1	-1	-1	-1		
TMGR	HY02	43	44	43	49	44	74	44	44	43	44	44	44	44	61	59	43	43	73	86	44	76	88	49	74	60	44	43	44	77	47	65	43	44	46	45	45	46	44	45	77	83	44	45	44	44	86	86			
TMGR	HY03	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	32	84	85	31	32	32	82	81	81	82	82	30	30	30			
TMGR	HY04	31	-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	85	85	33	85	84	-1	-1	-1	-1	83	82	82	83	30	31	31		
UPIA	HY01	5	5	5	6	5	6	5	5	6	5	5	5	5	5	5	6	5	5	6	5	5	5	6	5	6	6	6	6	5	6	5	6	5	6	5	6	5	6	5	6	6	5	6	6	5	6	6			
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Hydro		621	485	480	511	498	600	439	438	438	374	279	280	315	334	223	220	279	411	284	367	392	450	398	434	401	305	264	474	514	850	958	854	965	940	830	696	551	555	742	1230	1218	1153	1098	1009	746	831	838	715		
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	0	2	4	8	11	15	18	20	21	23	27	27	28	29	26	25	24	10	2	1	1	1	1	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	1	4	7	9	16	21	24	12	24	29	26	30	30	28	30	16	29	22	21	19	16	11	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	0	4	6	10	16	18	20	27	30	30	30	30	30	30	30	4	5	6	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	1	4	10	17	14	23	18	6	16	28	2	8	25	40	33	24	33	25	24	20	14	8	3	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	2	5	11	17	22	27	32	34	35	32	39	42	41	36	31	40	27	18	24	19	10	3	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	1	4	5	7	11	16	15	25	27	25	28	15	28	13	29	17	21	19	17	3	2	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	2	3	7	14	20	27	33	38	39	40	40	26	36	48	43	43	42	22	24	15	14	1	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	2	9	14	18	16	20	13	17	32	24	43	43	37	43	31	22	30	27	28	23	15	10	5	1	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	1	4	7	15	20	26	30	37	40	38	37	39	45	23	29	13	39	35	12	10	2	1	1	1	0	0</									

Daily MW Generation on Saturday

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		13905	13660	13312	12940	12702	12440	12183	12039	11895	11701	11634	11560	11552	11555	11342	10991	11157	11608	11994	12441	12787	13030	13252	13403	13318	13342	13366	13714	13812	14049	14152	14247	14301	14387	14229	14041	13936	13918	14272	15230	15570	15537	15495	15291	14972	14853	14744	14607	
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		31	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	30	30	29	29	30	30	31	31	31	31	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		12	-17	28	-6	-20	-43	-9	-7	23	-16	-24	-1	-29	-9	16	-12	-41	-26	-66	-76	-100	-66	-81	-56	-62	-30	-53	-26	-60	-45	41	5	4	57	58	7	10	-31	15	-34	21	-22	-29	-38	-60	-77	-53	-58	
Interconnection		43	12	59	25	10	-13	21	23	53	14	6	29	1	20	46	18	-11	4	-35	-45	-71	-36	-51	-25	-33	-1	-22	5	-29	-14	72	36	34	88	88	37	40	-2	46	-3	50	7	1	-7	-30	-47	-23	-28	
System Total		13869	13655	13260	12922	12699	12460	12169	12023	11849	11694	11635	11538	11558	11542	11303	10980	11175	11611	12036	12493	12865	13073	13310	13435	13358	13350	13395	13716	13848	14070	14087	14218	14274	14306	14148	14011	13903	13927	14233	15240	15527	15537	15501	15305	15009	14907	14774	14642	
SRev ST-Coal		368	450	521	602	624	662	659	663	669	664	667	664	738	732	733	743	729	732	685	606	619	542	476	487	503	489	479	480	500	484	467	463	464	469	472	460	459	470	417	197	156	146	160	144	156	286	293	297	
SRev CCGT-Gas		399	393	404	720	558	250	345	287	416	347	327	358	263	156	211	369	334	199	196	171	240	241	246	243	370	257	316	266	210	288	441	370	333	272	389	382	650	782	706	454	316	296	286	147	179	143	126	127	
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		403	490	490	577	577	426	577	577	577	577	678	678	678	527	779	779	779	678	678	527	678	591	591	490	490	678	628	440	490	403	403	403	403	403	591	779	779	779	577	277	0	126	227	353	692	692	692	692	
Hydro		421	384	389	271	284	333	215	216	216	180	174	173	138	270	129	132	73	42	169	237	61	90	142	207	240	148	239	217	227	128	234	338	227	352	274	220	217	213	228	388	777	716	670	483	407	322	315	438	
S.Reserve Total		1591	1717	1804	2170	2043	1671	1796	1743	1878	1768	1846	1873	1817	1685	1852	2023	1915	1651	1728	1541	1598	1464	1455	1427	1603	1572	1662	1403	1427	1303	1545	1574	1427	1496	1726	1841	2105	2244	1928	1316	1251	1285	1345	1247	1434	1443	1426	1554	