

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,627 MW
Distillate	0 MW
Total TNB	1,627 MW
Total IPP	17,142 MW
Total Co-Gen	0 MW
Total System	22,477 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,792	3.08 %
Gas	66,298	17.33 %
Total TNB	78,090	20.41 %
ST-Coal	203,733	53.26 %
LSS	6,371	1.67 %
Gas	93,972	24.56 %
Total IPP	304,076	79.49 %
Co-Gen	662	0.17 %
Total Co-Gen	662	0.17 %
Total Generation	382,828	100.07 %
PLTG	1,562	0.41 %
HVDC	-1,285	-0.34 %
Interconnection	277	0.07 %
Net Energy	382,551	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	19,028 MW
TNB Generation	4,035 MW
IPP Generation	13,885 MW
Spinning Reserve	1,081 MW
Maximum Demand	17,944 MW
Net Energy	382,551 MWH
Load Factor	88.83 %

Fuel Cost

Total Cost:	109,678,492.15 RM
Cost per Unit	28.65 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	477
Hydro	297
Syncon	482
Thermal	190
Total	1,446

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	195
Total TNB	226
CBPS	4
EMPP	311
KLPP	42
NPRI	76
PCGP	89
PLPS	43
SKSP	49
SPGP	210
Total IPP	824
Total Gas	1,050

Total Gas Required 1,050

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	15627	14864	14333	13876	13562	13322	13689	13742	14025	15612	16477	17007	17026	16605	17182	17704	17781	17466	16434	16319	17665	17632	17171	16645

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 4, 2023 9:48:37 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																									
JMHE	U001	973	975	974	977	976	975	897	899	901	902	870	871	870	869	869	872	871	979	976	976	982	977	980	979	977	980	981	979	977	981	978	975	978	982	977	980	984	979	981	983	978	977	980	981	980	981	975	978	
JMHE	U002	975	972	971	975	974	974	897	898	902	902	870	872	869	867	867	870	871	955	976	973	975	971	976	973	973	975	975	976	973	972	973	972	976	978	969	976	977	976	978	978	976	970	974	975	976	974	972	975	
JMJG	U001	682	682	677	672	678	673	674	676	677	679	678	677	677	678	673	678	675	678	678	672	679	674	685	677	678	679	677	678	674	680	676	674	680	673	678	679	676	677	676	683	678	678	674	678	679	676	662	571	
JMJG	U002	491	422	401	411	412	412	411	411	405	412	411	411	412	411	409	453	535	585	598	600	662	679	678	684	678	680	672	681	677	682	678	677	685	681	672	683	679	679	678	681	680	679	672	682	679	678	675		
JMJG	U003	674	673	675	676	674	676	677	676	672	676	678	675	676	683	673	673	677	677	675	674	679	672	677	676	677	673	676	674	676	675	677	673	673	671	679	677	603	596	601	595	591	593	626	677	673	673	674	678	
JMJG	U004	972	970	968	970	972	970	939	912	906	907	891	883	887	879	878	876	879	919	974	980	977	977	977	976	977	978	977	975	977	977	979	977	978	977	983	976	976	978	977	978	977	981	977	983	979	979	974	979	
JMJG	U005	978	976	977	973	974	975	900	898	898	900	873	872	869	870	871	872	873	870	873	872	869	951	985	979	979	977	979	979	982	977	977	977	980	979	978	978	979	978	972	974	974	974	977	977	977	974	977	977	
PKLG	U003	278	279	279	278	279	280	278	269	159	153	159	160	160	160	161	150	151	262	281	275	276	275	277	275	276	275	275	275	275	275	275	275	275	275	277	276	275	275	278	277	277	276	278	276	276	278	278	278	
PKLG	U004	269	267	274	273	271	271	263	271	274	216	153	148	152	152	158	156	153	217	258	281	277	274	276	278	273	276	275	277	276	272	274	277	273	278	275	273	272	272	272	276	273	274	276	276	279	276	273		
PKLG	U006	451	449	449	446	449	448	447	447	447	445	447	445	449	451	446	447	445	449	451	449	449	445	451	445	445	447	446	449	449	449	447	449	447	446	448	446	446	444	449	448	450	450	448	447	443				
TBIN	U001	703	690	430	228	211	211	210	211	210	211	211	212	210	211	210	211	237	358	517	700	701	696	697	698	696	698	700	696	698	698	698	696	699	697	699	697	699	697	697	697	700	694	696	696	697	697	698	697	696
TBIN	U002	700	699	701	479	301	213	210	210	209	210	212	212	208	211	210	209	211	210	212	351	563	699	696	700	697	706	698	698	696	702	700	697	696	699	697	698	700	699	695	696	698	697	700	695	683	553	398	395	
TBIN	U004	752	753	752	753	753	753	752	752	752	753	752	754	753	753	753	753	753	753	753	752	751	753	752	753	752	753	754	753	754	752	752	752	753	753	754	752	753	753	751	752	753	755	754	752	753	755	754	752	
Total ST-Coal		8898	8807	8528	8111	7924	7831	7555	7530	7412	7372	7205	7192	7192	7194	7179	7219	7310	7791	8061	8374	8839	9052	9106	9098	9093	9090	9085	9091	9082	9092	9086	9071	9096	9089	9086	9095	9020	9005	9006	9009	9002	8999	9038	9089	9086	8947	8762	8672	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	18	28	51	42	14	11	12	22	49	0	0	0	20	42	56	57	79	122	155	117	71	0	0	0	0	0	0		
EMPP	BLK1	695	687	699	711	710	709	710	709	710	709	711	709	712	710	712	689	685	684	714	709	718	720	700	689	706	694	693	688	678	692	686	686	686	686	686	686	720	720	720	720	720	720	720	720	720	720	720	720	720
EMPP	BLK2	695	688	695	711	710	709	710	710	709	712	710	712	689	685	684	712	709	719	720	701	690	709	694	691	688	682	691	686	686	686	686	686	686	686	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
EMPP	BLK3	696	688	694	712	710	709	709	710	710	709	712	710	712	690	686	684	711	711	718	720	702	690	711	694	691	688	675	691	687	687	687	687	687	720	720	720	720	720	720	720	720	720	720	720	720	715	714	714	
GLGR	GT01	96	95	94	93	94	94	93	95	94	94	94	95	95	94	94	93	95	94	95	93	93	93	94	93	94	93	94	94	95	94	93	95	96	94	94	95	93	95	95	94	94	93	93	94	94	93	96		
GLGR	ST1C	42	42	42	42	42	41	41	41	42	41	41	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	42	42	41	41	42	42	42	42	42	42	41	41	41	41	41	41	41	41	42			
KLPP	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	23	111	131	135	136	136	135	110	109	111	113	139	140	140	142	122	103	103	103		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	11	0	0	11	64	151	154	156	157	158	131	111	111	0			
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	23	26	23	21	15	29	45	61	70	140	144	147	146	147	147	146	147	146	140	112	112	116	118	151	150	150	150	126	107	107	111	
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	9	14	22	33	41	67	68	65	137	143	143	143	129	147	143	130	123	130	201	212	212	212	212	201	190	190	139		
NPRI	BLK1	497	435	328	478	475	458	482	389	339	344	338	449	519	510	501	491	523	518	526	529	511	496	519	511	484	371	364	512	516	517	517	518	517	521	508	517	512	506	518	518	516	512	515	508	512	517	515	518	
PCGP	PGRG	594	590	594	605	599	602	603	603	601	603	601	602	601	591	587	579	610	603	623	620	593	587	604	594	588	587	577	594	600	601	603	603	605	625	588	606	594	584	611	616	603	594	599	586	596	605	602	604	
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	0	0	0	0	0	0	0	0	0	4	105	119	124	137	135	136	135	119	119	0	0			
PLPS	GT13	125	126	125	125	125	125	125	124	125	125	124	124	125	124	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	124	126	125	125	124	123	123	109	112	125	123	125	123	108	108	122	124		
PLPS	ST18	59	59	57	57	57	57	56	57	57	57	57	57	56	57	57	58	57	57	58	58	58	57	58	58	57	58	57	57	57	58	58	58	57	57	57	57	58	122	133	133	141	142	141	141	131	132	59	60	
SKSP	BLK1	224	221	224	224	220	225	222	222	225	221	222	221	224	221	225	223	244	305	339	338	315	308	298	260	223	221	224	223	251	246	321	334	336	336	271	261	223	222	223	262	312	299	287	322	280	334	327	230	

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
CEND	HY02	10	9	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8
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	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	69	69	68	-1	-1	-1	-1
HTRG	HY03	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4
HTRG	HY04	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	3
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	0
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	0
KNRG	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
KNYR	HY01	100	100	100	61	61	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	60	60	61	100	100	100	100
KNYR	HY02	61	61	61	61	66	61	60	81	78	71	61	70	67	100	100	100	101	100	101	101	100	100	100	99
KNYR	HY03	55	55	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	98	99	99	99	98	54	53
LPJA	HY01	15	15	15	15	15	15	13	13	13	13	13	13	13	13	13	13	14	15	15	15	15	15	15	15
LPJA	HY02	15	15	15	15	15	15	17	18	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	52	51	31	30	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	43	50	50	30	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	41	50	50	30	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	24	25	25	25	8
TMGR	HY02	87	87	87	88	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	88	87	35	34	34	34	32	34
TMGR	HY04	42	41	50	73	81	55	81	80	74	67	45	69	69	41	41	38	86	64	85	85	50	40	46	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	90	92	92	98	86
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
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
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
Total Hydro		473	471	481	411	371	304	329	263	257	242	210	243	240	255	255	251	299	276	298	388	350	339	295	351
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	11	14	16	21	13	9	13
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	10	16	17	17	17	17	19
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	17	18	18	26	32	25	20
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	12	23	22	21	16	19	25	9
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	24	29	24	14	36	35	32
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	17	14	10	15	27	29	11	15
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	17	22	28	32	34	38	40	38
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	17	22	24	25	27	27	22
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	6	9	16	26	27	20	48	35
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14	33	45	44	56	66	58	52	74
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	13	19	23	27	33	39	33	25
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	11	12	16	21	23	27	28	28
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	17	32	40	44	74	70	65	99	83
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	12	16	24	27	29	30	15
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	19	23	22	12	14	26	29	28
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	18	17	15	40	45	48	49
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	24	47	59	35	54	86	96	96	97
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	24	37	58	74	84	100	105	105	105

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																								
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	12	17	19	48	42	35	14	24	52	52	30	32	29	29	26	26	16	15	8	4	2	0	0	0	0	0	0	0	0			
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	21	19	13	26	25	39	39	40	44	39	28	18	9	7	12	6	5	5	3	1	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	3	5	9	11	13	13	18	20	19	24	24	21	19	23	20	18	17	14	9	6	4	2	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	4	10	20	23	30	19	27	30	30	30	30	30	30	30	30	29	17	12	8	5	2	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	7	102	239	384	487	574	711	787	862	848	812	889	912	840	782	775	675	585	529	382	277	189	87	16	3	0	0	0	0	0	0	0	0		
ESTL	ESTL	25	25	24	24	20	21	22	26	28	26	21	23	22	0	0	5	0	2	0	0	6	5	6	7	13	13	13	13	11	10	11	9	10	8	10	11	11	10	9	8	8	4	6	3	0	0	0	
KHTC	BLK1	0	0	0	0	0	2	3	1	2	6	4	2	2	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	4	4	3	3	4	4	4	4	2	2	3	2	3	3	2	3	4	4	2	3	4	4	3	4	4	4	5	4	4	2	4	5	4	4	5	3	5	4	4	3	3	4	4	3	4			
PCUF	CUFK	6	7	8	6	8	9	3	7	7	6	8	5	7	8	8	7	7	8	7	7	8	9	7	8	8	8	7	7	9	8	6	8	8	7	6	8	7	6	7	9	8	8	7	8	7			
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	6	6	6	6	5	5	5	5	5	5	5	6	6	5	5	5	5	5	5	5	5	5	5			
Total Co-Gen		40	41	40	38	37	39	36	45	43	41	43	39	39	18	21	20	15	19	16	14	22	23	24	23	31	31	31	30	27	28	28	22	27	27	27	26	29	25	25	24	26	20	22	19	17	16	16	16
Total Gen		15700	15300	14892	14608	14366	14196	13964	13782	13620	13559	13368	13481	13700	13961	13758	13638	14021	14951	15541	16050	16461	16738	16948	17014	16944	16679	16565	16836	17138	17672	17709	17813	17772	17947	17564	16988	16515	16322	16393	17380	17710	17697	17631	17497	17193	16988	16670	16242
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		30	30	30	30	30	30	30	29	32	29	29	29	29	31	29	29	-49	-99	-98	-99	-97	-97	-100	-97	-98	-97	-100	-100	-97	-98	-98	-98	-99	-99	-100	-100	-98	-100	-98	-97	-97	-98	-99	-98	-100	-49		
TIE-PLTG		43	78	-2	-23	3	4	59	-5	27	-8	17	45	-18	35	-13	21	44	95	27	42	81	52	41	43	15	15	59	54	54	58	103	72	89	101	197	127	180	164	172	151	143	134	95	116	121	73	125	18
Interconnection		73	108	28	7	33	35	88	24	58	21	46	74	11	66	16	51	-4	-3	-71	-57	-16	-46	-59	-54	-82	-81	-40	-46	-44	-40	5	-26	-9	3	98	28	81	65	74	51	45	37	-1	19	22	-24	25	-31
System Total		15627	15192	14864	14601	14333	14161	13876	13758	13562	13538	13322	13407	13689	13895	13742	13587	14025	14954	15612	16107	16477	16784	17007	17068	17026	16760	16605	16882	17182	17712	17704	17839	17781	17944	17466	16960	16434	16257	16319	17329	17665	17660	17632	17478	17171	17012	16645	16273
SRev ST-Coal		149	240	247	311	303	308	574	601	619	626	632	626	621	633	623	769	571	377	362	308	193	139	147	152	155	160	154	163	153	159	174	149	156	159	150	135	150	149	146	153	156	207	156	159	221	251	338	
SRev CCGT-Gas		710	969	1107	902	916	928	906	1006	1042	1046	1040	943	721	456	647	809	808	477	371	366	743	806	539	595	657	881	1058	820	700	512	361	349	476	465	464	367	594	979	904	437	268	296	284	273	424	423	399	417
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 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 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	83	2	37	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		626	626	626	727	727	815	815	916	916	916	916	916	916	916	916	916	916	916	916	828	828	828	828	727	727	727	727	727	439	439	252	252	126	126	500	626	727	727	313	126	126	126	313	439	626	439	626	
Hydro		228	230	220	189	229	208	183	100	106	121	153	120	123	108	108	112	64	87	65	63	101	112	156	201	198	200	209	204	163	331	332	306	313	334	465	395	330	285	279	489	568	582	581	498	290	169	249	157
S.Reserve Total		1713	2065	2200	2129	2175	2259	2478	2623	2683	2702	2735	2611	2386	2101	2304	2460	2557	2051	1729	1619	1980	1939	1662	1670	1734	1963	2154	1905	1753	1435	1291	1081	1190	1081	1214	1412	1685	2141	2059	1385	1198	1162	1235	1240	1312	1439	1338	1538