

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,338 MW
Distillate	0 MW
Total TNB	2,338 MW
Total IPP	17,982 MW
Total Co-Gen	0 MW
Total System	23,677 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,101	5.86 %
Gas	57,779	16.03 %
Total TNB	78,880	21.89 %
ST-Coal	187,860	52.13 %
LSS	5,584	1.55 %
Gas	87,395	24.25 %
Total IPP	280,839	77.94 %
Co-Gen	816	0.23 %
Total Co-Gen	816	0.23 %
Total Generation	360,535	100.06 %
PLTG	702	0.19 %
HVDC	-501	-0.14 %
Interconnection	201	0.06 %
Net Energy	360,334	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	18,982 MW
TNB Generation	4,037 MW
IPP Generation	13,302 MW
Spinning Reserve	1,611 MW
Maximum Demand	17,351 MW
Net Energy	360,334 MWH
Load Factor	86.53 %

Fuel Cost

Total Cost:	128,525,756.40 RM
Cost per Unit	35.65 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	509
Hydro	467
Syncon	599
Thermal	231
Total	1,806

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	131
Total TNB	177
CBPS	50
EMPP	209
NPRI	156
PCGP	88
PGLA	22
PLPS	37
SPGP	209
Total IPP	771
Total Gas	948
Total Gas Required	948

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	13982	13351	12794	12362	12081	11926	12276	12469	13089	14933	15782	16284	16256	16068	16583	17031	17282	16989	16073	16448	16928	16716	16232	15775

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, December 2, 2022 3:37:44 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	U002	698	695	603	375	240	214	214	214	213	213	214	232	523	708	704	702	705	704	706	704	702	706	702	706	702	706	704	702	706	702	705	703	704	699	706	699	705	705	705	707	501	503	505	505	501	505	515	674
JMHE	U001	918	901	901	849	850	853	848	854	851	852	852	849	852	855	851	849	851	940	950	960	973	978	974	974	974	975	977	975	975	978	973	978	975	977	972	975	976	979	977	977	978	979	971	977	971	973		
JMHE	U002	958	899	901	849	851	851	849	850	850	851	848	848	850	850	851	851	847	850	942	973	975	976	975	972	976	971	974	980	977	976	973	981	976	977	975	974	971	978	971	976	971	976	975	977	975	972	972	
JMJG	U001	668	661	667	666	664	666	664	668	673	669	666	668	667	670	666	666	666	672	666	671	672	664	669	667	663	664	668	664	666	668	664	671	667	667	668	667	667	667	663	669	667	660	665	662	666	666	665	665
JMJG	U002	667	668	669	668	667	671	669	668	671	668	669	671	670	671	671	666	671	671	667	666	672	669	670	670	670	660	667	672	668	672	670	669	677	591	595	604	598	592	599	601	604	598	598	605	604	593	602	602
JMJG	U003	669	672	666	662	673	666	667	668	662	668	667	670	665	668	669	669	668	668	669	667	664	655	650	674	662	662	672	663	665	668	667	669	678	662	671	668	667	668	664	668	667	671	672	667	668	666	671	677
JMJG	U005	897	900	901	861	846	843	847	848	844	848	847	843	843	847	845	845	843	918	973	978	975	977	977	976	977	977	981	974	970	974	974	977	975	974	975	976	973	977	977	976	979	978	975	975	972	973	975	974
PKLG	U003	150	152	151	152	152	151	151	151	150	152	151	152	151	151	151	151	151	151	150	150	150	150	151	227	267	279	280	290	277	279	277	279	278	278	280	279	279	277	278	277	276	275	278	279	271	201		
PKLG	U004	0	0	0	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	16	25	26	30	50	50	85	81	74	62	90	163	172	201	211	277	276	277	273	173
PKLG	U005	271	268	268	269	269	271	265	268	268	269	268	269	269	268	270	267	270	267	269	270	267	268	271	274	361	432	464	468	468	465	464	469	471	465	466	466	466	465	468	466	466	468	461	466	467	436	342	
PKLG	U006	268	267	269	269	269	268	269	268	268	269	269	269	269	272	269	269	268	269	269	267	269	268	270	269	288	375	442	448	448	446	448	449	449	448	450	450	450	450	448	450	446	449	449	448	449	448	449	378
TBIN	U001	208	212	212	213	210	212	213	213	212	211	210	212	213	212	213	211	295	429	644	696	700	698	700	700	701	701	699	699	699	698	700	699	700	700	701	701	703	696	699	703	698	702	701	698	699	698	702	698
TBIN	U002	215	215	214	216	213	214	214	214	215	213	216	214	216	213	216	213	214	217	333	485	641	705	710	700	707	702	703	701	700	704	702	701	701	704	698	710	702	698	702	703	701	701	702	706	700	703	701	702
TBIN	U003	214	214	212	214	213	214	213	213	212	214	213	212	216	213	214	214	212	324	466	667	710	699	700	701	701	701	699	699	699	701	701	699	702	701	700	700	699	700	700	696	700	701	701	701	701	701	549	
Total ST-Coal		6801	6724	6634	6263	6117	6095	6083	6097	6091	6095	6091	6090	6093	6118	6413	6583	6657	6882	7438	7800	8120	8373	8429	8428	8445	8678	8886	8940	8935	8971	8947	8971	8995	8902	8943	8951	8928	8912	8938	9040	8823	8859	8876	8936	8926	8928	8904	8580
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	360	360	361	363	361	364	311	202	201	200	201	201	202	349	303	201	206	364	368	357	357	360	359	356	352	352	188	242	361	362	356	358	351	361	353	360	350	301	361	366	360	360	359	361	352	359	346	357
EMPP	BLK1	702	249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMPP	BLK2	709	699	709	710	710	711	709	711	711	710	709	709	711	712	686	610	714	712	718	704	696	699	714	695	688	684	676	718	711	710	689	710	680	710	685	711	702	712	710	717	708	711	695	708	679	704	673	694
EMPP	BLK3	703	698	709	710	711	710	709	711	710	709	710	710	711	685	711	714	712	718	704	695	699	714	697	686	685	669	717	710	689	710	682	710	685	711	686	711	711	717	708	712	695	707	682	703	671	695		
GLGR	GT01	65	85	105	86	66	65	66	67	66	67	66	66	65	68	65	66	66	66	66	66	66	66	65	66	64	65	66	67	67	66	66	65	67	65	65	65	66	65	66	66	66	66	65	65	66			
GLGR	GT02	66	85	104	86	66	67	66	67	66	67	66	67	66	67	66	67	66	67	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66		
GLGR	ST1C	71	77	94	88	72	70	70	70	70	70	70	70	71	70	70	69	70	70	70	70	70	70	70	70	71	71	71	71	70	71	70	71	70	70	71	71	71	71	71	71	71	70	71	70	70	71		
NPRI	BLK1	526	528	530	527	530	531	521	473	395	337	330	361	460	530	443	311	437	520	517	509	512	512	514	512	509	505	455	515	515	518	509	514	500	515	506	517	503	514	520	527	525	525	519	526	500	525	493	509
NPRI	BLK2	526	520	532	532	532	532	513	466	410	335	340	408	503	527	428	311	442	526	529	515	518	518	519	517	514	510	458	529	521	524	516	520	508	521	511	524	509	521	532	537	530	532	527	531	511	530	499	517
PCGP	PGRG	593	598	602	603	602	601	598	604	601	604	602	603	606	602	584	605	613	611	620	590	593	597	597	597	587	580	572	615	601	607	589	596	573	605	583	604	577	602	602	618	600	601	600	602	578	599	564	590
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	13	13	14	57	91	83	83	82	83	83	87	123	220	203	220	148	148	149	200	224	223	223	222	223	190	148	142	146	
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	99	100	111	113	85	85	86	91	114	114	114	113	110	84	83	85	
PLPS	GT13	124	138	144	144	143	124	124	124	126	124	124	124	125	123	119	124	128	125	129	125	125	124	124	125	121	121	118	128	124	123	124	123	121	124	123	124	123	123	123	130	130	130	131	130	130	123	124	124
PLPS	ST18	59	61	60	60	59	59	58	58	58	59	58	59	59	60	59	60	59	59	59	58	58	58	59	59	59	59	59	58	59	59	60	59	59	60	60	60	60	60	60	63	61	60	60	61	59	58	60	58
SPGP	BLK1	717	715	719	719	718	721	716	718	718	720	651	651																																				

Daily MW Generation on Monday

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	
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	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	
HTRG	HY03	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	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	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	35	35	35	25	
KNRG	HY02	25	25	37	25	37	37	37	25	25	25	25	26	24	24	24	24	25	25	24	24	37	37	36	25	
KNRG	HY03	20	20	38	20	38	38	38	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
KNYR	HY01	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	100	101	101	101	101	101	101	101	
KNYR	HY02	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	HY03	99	99	99	98	97	97	96	96	96	96	97	97	98	98	97	99	99	99	98	98	99	99	98	98	
KNYR	HY04	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	21	21	21	21	21	21	21	
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	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	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	81	81	80	80	81	81	81	81	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	82	82	82	82	82	82	82	82	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	112	21	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	146	147		
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	
SIHY	HY03	0	0	30	30	30	30	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	
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	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	81	80	80	80	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	85	85	85	85	
TMGR	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	
TMGR	HY04	43	41	62	63	71	80	42	56	41	41	47	83	70	63	40	53	83	83	83	82	66	41	54	40	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	88	-1	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	90	92	84	87	-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		600	598	680	638	683	692	623	600	585	584	611	647	615	646	507	599	629	629	631	793	775	749	857	842	
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	2	3	7	6	11	14	20	17	15	18	26	21
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	13	18	23	23	10	19	16	18	36	12
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	12	11	14	15	28	32	20	32	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	19	15	24	19	23	25	23	18	25	37
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	17	22	15	20	20	15	27	33	41	44
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	14	14	19	15	22	9	12	16
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	11	18	33	31	20	19	30	50	50	50
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	10	18	15	28	27	22	28	26	28
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	13	13	25	31	24	40	39	42	42
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	12	16	38	32	42	55	79	85	66	90	80
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	11	19	24	36	33	32	40	30	46	18
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	7	12	15	23	29	13	19	11	28
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	37	25	25	60	53	47	88	100	91	101
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	7	7	15	14	23	30	30	10	9	12
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	17	25	30	33	37	37	45	46	51	44

Daily MW Generation on Monday

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			
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	29	64	78	73	70	67	74	79	96	87	83	53	88	49	49	44	51	28	15	5	2	3	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	8	14	44	71	92	105	100	110	58	82	63	74	110	77	50	62	57	63	52	5	5	2	2	2	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	1	3	7	9	15	22	27	34	35	29	39	51	33	32	23	23	24	21	30	25	17	9	2	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	2	6	12	4	20	10	35	48	21	33	15	24	37	33	20	23	4	2	3	3	4	6	3	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	2	4	7	10	13	17	22	18	19	22	28	17	14	21	14	11	9	6	4	9	5	3	0	0	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	0	1	2	4	8	10	10	24	29	23	13	23	26	18	25	19	7	6	25	26	21	11	5	1	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	24	114	262	355	457	573	676	690	809	790	786	864	686	796	534	599	573	497	464	308	168	117	31	3	3	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	16	21	21	21	21	20	21	21	21	21	16	20	11	17	19	13	19	19	20	19	8	10	17	22	22	21	21	22	23	15	22				
KHTC	BLK1	3	2	0	2	4	2	2	2	3	4	4	3	2	2	2	3	2	4	3	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	1	2				
PCUF	CUFG	4	5	3	5	6	5	4	4	5	4	3	3	5	5	6	4	5	4	5	4	4	4	5	4	5	5	5	5	4	4	5	4	4	5	5	3	3	5	4	5	5	3	4	4	3	4				
PCUF	CUFK	8	9	8	10	9	10	8	9	9	8	9	6	7	9	10	7	8	8	9	7	8	8	9	8	9	8	9	9	9	8	9	7	9	8	8	8	8	8	7	8	8	9	7	8	10	8	8			
Total Co-Gen		38	39	34	40	42	40	37	38	40	39	39	35	37	39	41	37	38	39	33	32	33	33	35	32	35	33	35	30	34	24	29	33	24	32	31	33	32	19	20	30	34	35	35	31	34	38	27	36		
Total Gen		14069	13579	13429	12982	12820	12572	12379	12183	12027	11895	11847	11979	12218	12516	12448	12458	13044	14102	14813	15304	15718	16067	16329	16405	16251	16167	16129	16434	16582	16984	17047	17249	17311	17371	17074	16517	16120	15756	16537	17078	16973	16993	16764	16630	16265	16145	15831	15430		
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		30	30	30	30	30	30	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28		
TIE-PLTG		57	33	48	4	-4	23	45	1	-26	-8	-51	-17	-30	-24	7	23	-17	-10	-92	11	-36	11	73	68	23	62	89	30	27	16	44	-5	58	48	113	10	75	34	117	60	73	46	76	77	61	8	84	91		
Interconnection		87	63	78	34	26	53	17	-27	-54	-36	-79	-45	-58	-52	-21	-5	-45	-38	-120	-18	-64	-17	45	39	-5	34	61	2	-1	-12	16	-33	29	20	85	-18	47	6	89	32	45	18	48	49	33	-20	56	62		
System Total		13982	13516	13351	12948	12794	12519	12362	12210	12081	11931	11926	12024	12276	12568	12469	12463	13089	14140	14933	15322	15782	16084	16284	16366	16256	16133	16068	16432	16583	16996	17031	17282	17282	17351	16989	16535	16073	15750	16448	17046	16928	16975	16716	16581	16232	16165	15775	15368		
SRev ST-Coal		622	702	766	773	766	766	770	765	763	766	768	762	768	760	762	690	689	672	524	425	394	302	259	252	258	274	180	167	175	149	174	153	149	242	237	134	151	155	156	128	154	146	140	126	136	134	358	362		
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		333	348	135	175	238	471	580	768	905	1039	1110	1009	743	503	949	1221	988	314	469	573	578	559	477	501	721	986	1310	940	864	539	665	470	577	366	498	541	756	891	504	283	336	298	365	304	512	610	826	919		
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	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	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	0
Syncon		1104	1104	1104	1104	1104	1104	1104	1104	1104	953	953	1104	1104	1104	1104	1104	1104	1104	1104	676	676	676	676	676	676	802	802	802	802	340	252	439	439	439	439	865	953	1104	766	678	439	439	527	714	953	953	1104	1104		
Hydro		113	115	83	125	80	71	90	113	128	129	253	217	98	67	206	114	84	84	82	223	241	267	309	324	384	454	456	407	429	729	803	611	401	564	613	421	450	403	423	420	475	530	621	685	596	537	399	392		
S.Reserve Total		2172	2269	2088	2177	2188	2412	2544	2750	2900	3038	3084	2941	2713	2434	3021	3129	2865	2174	2179	1897	1889	1804	1721	1753	2039	2516	2748	2316	2270	1757	1894	1673	1566	1611	1787	1961	2310	2553	1849	1509	1404	1413	1653	1829	2197	2234	2687	2777		