

Daily System Generation Summary on Tuesday

Tuesday, May 23, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,158 MW
Distillate	0 MW
Total TNB	2,158 MW
Total IPP	18,151 MW
Total Co-Gen	0 MW
Total System	23,471 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,861	4.00 %
Gas	45,072	11.36 %
Total TNB	60,933	15.36 %
ST-Coal	227,188	57.28 %
LSS	6,919	1.74 %
Gas	100,802	25.42 %
Total IPP	334,909	84.44 %
Co-Gen	185	0.05 %
Total Co-Gen	185	0.05 %
Total Generation	396,027	99.85 %
PLTG	107	0.03 %
HVDC	-700	-0.18 %
Interconnection	-593	-0.15 %
Net Energy	396,620	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,686 MW
TNB Generation	3,335 MW
IPP Generation	15,417 MW
Spinning Reserve	954 MW
Maximum Demand	18,760 MW
Net Energy	396,620 MWH
Load Factor	88.09 %

Fuel Cost

Total Cost:	102,221,273.73 RM
Cost per Unit	25.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	509
Hydro	328
Syncon	502
Thermal	162
Total	1,501

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	30

Gas Usage

Station	(mmscfd)
GLGR	35
SRDG	3
TJGS	183
Total TNB	220
CBPS	47
EMPP	280
NPRI	139
PCGP	84
PLPS	69
SKSP	48
SPGP	90
Total IPP	757
Total Gas	977
Total Gas Required	977

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	16312	15564	14911	14469	14041	13795	13913	13779	14371	15985	16757	17270	17242	17065	17661	18429	18649	18524	17431	17386	18547	18586	17905	17487

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, May 24, 2023 11:23:55 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	U002	690	706	709	707	702	703	705	705	704	704	707	706	705	708	702	709	708	702	698	704	703	702	707	702	703	708	708	708	705	703	705	701	704	699	705	706	703	707	702	708	699	705	697	708	707	707	706						
JMHE	U002	974	976	976	977	976	957	899	897	904	895	903	902	895	901	898	897	900	959	973	975	976	979	978	984	977	978	983	974	978	979	979	978	979	978	973	977	979	974	975	972	975	976	975	970	971	972	974	972					
JMJG	U001	472	479	481	474	478	479	449	418	413	419	417	421	418	418	417	418	420	420	420	419	420	417	420	419	442	525	548	542	577	617	615	615	617	618	612	649	649	657	656	656	656	656	656	679	679	679	679	662					
JMJG	U002	671	668	673	668	673	666	671	667	671	669	671	671	669	671	675	674	673	674	676	676	673	674	670	674	675	673	678	678	671	676	673	674	671	674	677	677	677	676	673	677	677	677	677	678	678	678	678	596					
JMJG	U003	670	677	665	675	668	673	671	676	671	671	672	673	678	673	674	675	677	671	669	675	670	674	676	666	673	673	671	672	670	672	672	672	674	674	671	672	672	679	670	668	668	668	668	673	673	673	673	672					
JMJG	U004	982	980	983	982	977	975	918	903	904	905	906	908	906	906	906	905	907	943	982	980	981	983	982	983	983	980	983	979	983	981	980	986	978	978	982	982	982	979	979	985	985	985	985	979	979	979	979	982					
JMJG	U005	972	976	977	974	977	961	900	899	897	900	904	899	900	900	900	899	899	972	977	977	980	980	978	979	979	977	976	977	977	979	981	976	977	977	973	973	976	970	975	975	975	975	967	967	967	967	975						
PKLG	U003	280	280	274	275	275	274	274	276	274	247	157	146	153	155	179	215	267	279	279	274	273	275	275	275	275	274	274	274	275	274	275	275	271	257	252	255	254	255	258	258	259	259	258	265	281	279	280	281					
PKLG	U004	279	276	274	272	279	274	277	272	279	257	206	151	146	150	164	218	263	275	278	277	275	276	274	273	273	276	271	271	276	279	275	269	253	246	245	247	265	253	251	250	251	252	264	279	279	273	275	275					
PKLG	U005	474	462	464	464	468	461	462	469	453	442	360	281	269	269	288	380	463	466	466	466	462	470	468	463	470	464	459	464	463	469	466	466	468	470	466	465	465	459	468	468	466	466	464	463	468	468	468	466	466				
TBIN	U001	698	699	698	699	695	698	696	696	698	698	700	699	698	698	697	698	699	694	699	698	695	698	697	697	698	695	700	699	699	700	693	699	691	697	670	703	696	697	697	692	699	696	699	699	697	697	697	695	699				
TBIN	U002	696	700	700	698	700	699	702	700	698	697	702	700	700	697	700	697	703	700	698	700	698	699	700	700	700	699	698	699	699	699	699	699	699	699	698	700	699	698	699	696	699	699	699	699	699	695	700	699	698				
TBIN	U003	693	694	693	695	693	692	692	693	694	695	694	693	694	691	693	690	693	693	691	692	693	691	692	693	692	693	693	690	693	693	691	690	692	691	693	695	689	691	691	690	692	692	693	692	691	692	690	691	691				
TBIN	U004	983	981	981	980	982	973	903	904	903	904	904	902	902	903	901	904	902	968	984	981	979	982	984	983	979	983	984	982	983	984	980	983	982	982	984	988	983	984	983	984	983	983	983	984	980	982	982	981	981				
Total ST-Coal		9534	9554	9548	9540	9543	9485	9219	9175	9163	9103	8903	8752	8733	8740	8794	8979	9174	9416	9490	9494	9478	9501	9499	9490	9519	9599	9628	9609	9651	9705	9680	9693	9652	9645	9600	9686	9690	9682	9676	9676	9690	9683	9701	9722	9746	9746	9746	9656					
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	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	0				
CBPS	BLK2	221	224	220	222	221	221	222	222	221	221	222	221	222	222	221	221	222	220	222	359	360	354	360	360	356	357	354	359	358	318	360	360	360	359	359	322	287	246	360	360	360	360	359	360	360	360	360	360	360				
EMPP	BLK1	690	697	475	414	412	411	434	410	406	390	409	413	489	506	411	382	430	553	694	709	710	708	710	721	701	709	710	709	710	705	711	718	713	718	716	695	703	708	717	711	710	716	710	704	710	711	708	682					
EMPP	BLK2	689	710	710	511	413	411	439	409	406	390	409	411	488	503	411	382	433	561	699	708	709	711	710	720	695	710	711	709	711	742	743	717	712	718	716	693	706	707	716	714	711	717	710	704	711	710	708	682					
EMPP	BLK3	690	709	710	700	517	410	439	409	407	390	410	410	488	501	410	383	432	561	699	709	709	710	721	696	709	711	709	711	718	713	718	716	692	707	708	716	712	710	715	710	703	712	710	708	682								
GLGR	GT01	64	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	35	52	90	108	107	106	105	65	64	66	66							
GLGR	GT02	66	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	93	93	92	92	92	92	92	93	93	93	93	92	93	93	94	94	109	109	109	90	107	106	106	104	65	65	66	65							
GLGR	ST1C	71	48	41	41	41	41	41	41	42	42	41	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	41	48	48	49	43	96	97	97	97	75	71	71	71						
NPRI	BLK1	509	351	332	333	331	329	332	326	324	313	315	323	313	321	320	297	334	332	333	384	527	503	521	518	472	379	334	438	510	517	516	515	514	515	514	517	515	516	514	518	518	511	519	515	520	522	523	513					
NPRI	BLK2	518	342	328	328	326	323	323	321	318	308	311	316	307	316	316	290	329	326	328	379	509	502	504	527	463	363	331	399	502	514	520	521	521	520	522	512	511	502	519	521	521	523	523	516	520	506	505	504					
PCGP	PGRG	588	604	601	597	600	594	597	593	388	362	392	401	384	400	397	349	404	599	603	603	602	601	604	620	593	605	599	603	603	602	602	615	612	621	617	590	601	603	616	611	604	612	603	588	594	599	598	580					
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	0	0	0	0	0	0	0	0	62	143	142	143	144	144	144	144	141	144	144	120	138	135	137	136	136	116	115	95
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	46	145	144	143	145	144	145	143	147	146	147	147	147	103	0	0				
PLPS	GT13	123	124	125	125	125	124	125	124	124	125	125	125	123	125	125	125	124	125	124	124	124	125	125	124	124	121	123	127	126	126	126	126	126	126	126	126	126	126	126	126	112	131	131	131	130	131	131	113	112	122			
PLPS	ST18	57	57	58	58	58	58	57	58	58	58	57	57	57	57	58	57	57	58	57	58	57	57</																															

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	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
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	124	124	124
HTRG	HY02	69	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	124	124	125
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	35	36	35	22	22	22	23	22	22	22	22	22	23	23	23	23	22	23	22	23	23	36	35	35
KNRG	HY02	37	37	37	23	23	23	23	23	22	22	23	23	23	23	23	23	24	23	23	23	24	37	37	37
KNRG	HY03	37	37	37	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	37	37	37	24	22	22
KNYR	HY01	99	99	99	99	98	99	0	0	0	0	0	0	0	0	0	59	59	59	59	99	98	98	98	99
KNYR	HY02	60	97	79	63	81	58	97	60	56	54	56	89	93	96	84	53	98	100	100	100	100	99	99	99
KNYR	HY03	97	96	96	95	94	94	93	92	91	91	92	94	95	96	96	94	95	96	97	97	97	95	57	58
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	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	20	-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	22	22	21	0	0	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	23	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	51	51	51	51	30	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	30	0	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
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	84	-1	-1	-1	86	85	85	86	85	85
TMGR	HY02	34	35	35	35	35	35	34	34	29	34	35	33	35	35	35	35	35	35	35	35	51	87	88	86
TMGR	HY03	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85	85	84	84	0	0
TMGR	HY04	31	32	32	32	32	32	31	31	27	31	31	30	32	31	25	32	32	32	31	32	32	32	32	32
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	-1	-1	-1	-1	93	97	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	98	97	88	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		743	587	568	456	472	450	390	349	343	332	354	392	412	402	389	340	404	407	447	446	446	443	443	446
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	12	12	12	12	12	12	12	12	12	12	12	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	8	12	15	18	25	26	27	24	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	12	17	11	28	28	21	26	26	17
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	13	15	27	17	31	41	21	46
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	17	23	27	31	33	37	39	28	40
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	8	12	15	19	21	24	19	27	25	17	26
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	16	12	14	21	39	48	24	18	21
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	8	19	21	22	25	21	22	30	30
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	14	19	34	24	26	39	25	37	51
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	36	51	45	82	82	64	62	75	63
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	17	25	15	26	37	32	26	25	33
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	10	15	13	17	25	28	19	18	25
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	15	29	49	61	64	73	91	99	94	82	100
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	15	19	23	24	29	13	30	30	30
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	10	20	25	21	23	29	30	30	30	15	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	20	25	29	34	37	42	36	22	49

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																									
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	16	45	68	79	86	89	90	92	86	75	97	97	98	42	99	79	94	91	89	54	25	8	17	2	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	17	37	53	63	78	88	99	104	71	93	50	93	101	92	87	92	83	72	56	41	21	10	5	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	1	3	7	16	16	20	21	29	32	51	52	30	18	27	40	30	29	29	17	17	15	6	1	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	1	5	11	13	24	29	33	37	40	43	29	45	36	46	30	38	34	30	25	20	14	8	3	1	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	1	3	6	10	13	15	18	20	21	12	24	24	23	22	20	18	16	13	10	7	4	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	2	10	17	13	30	30	30	30	28	30	30	30	15	29	30	30	30	30	29	23	16	10	4	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	51	174	301	460	587	638	765	857	876	820	807	856	907	894	838	753	779	731	641	476	325	177	100	26	2	2	1	0	0	0	0	0	0	0		
ESTL	ESTL	16	16	19	4	6	18	17	15	15	16	14	17	19	22	24	22	22	16	20	8	5	8	13	15	12	20	18	16	16	15	12	13	10	6	12	2	4	2	7	13	18	17	8	20	12	9	13		
KHTC	BLK1	-13	-8	-11	-9	-6	-5	-4	-6	-6	-3	-7	-6	-4	-8	-14	-18	-22	-24	-26	-26	-26	-27	-30	-32	-32	-37	-40	-41	-42	-40	-39	-36	-30	-31	-25	-25	-24	-21	-22	-18	-21	-20	-18	-19	-16				
PCUF	CUFG	25	24	24	22	7	5	5	5	6	6	7	5	5	5	6	4	6	4	5	4	4	4	3	3	4	4	3	3	4	4	3	4	3	2	5	4	3	3	5	3	3	2	3	4	3				
PCUF	CUFK	14	13	13	13	13	13	13	12	14	14	14	13	13	10	10	9	7	5	5	3	3	4	4	4	4	5	4	4	4	3	4	5	6	5	6	7	7	6	5	6	5	5	6	6	9	9			
Total Co-Gen		42	45	45	30	20	31	31	27	27	33	28	30	33	36	40	35	33	16	17	-1	-13	-12	-9	-6	-6	-11	-4	-5	-14	-17	-18	-23	-20	-20	-21	-11	-18	-10	-13	-8	2	5	7	-5	8	3	3	9	
Total Gen		16313	15889	15572	15162	14890	14693	14458	14270	14032	13855	13785	13705	13897	13985	13740	13657	14344	15269	15970	16347	16695	16977	17202	17327	17194	17010	17045	17434	17651	18256	18412	18508	18609	18732	18506	18025	17400	17151	17361	18241	18534	18640	18572	18324	17927	17750	17471	17127	
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		
TIE-HVDC		-30	-30	-28	-28	-29	-29	-28	-29	-31	-28	-28	-30	-29	-29	-30	-28	-29	-29	-30	-31	-29	-28	-29	-29	-30	-30	-31	-29	-29	-28	-28	-31	-28	-28	-30	-31	-31	-29	-28	-29	-31	-31							
TIE-PLTG		31	20	36	7	8	14	17	36	22	28	18	-1	12	-12	-10	-10	2	1	15	-6	-33	-46	-39	-65	-16	-37	8	-30	19	3	13	-4	-9	2	11	41	-3	23	3	16	17	-14	17	9	50	4	15	34	
Interconnection		1	-10	8	-21	-21	-15	-11	8	-9	-1	-10	-31	-16	-40	-39	-40	-27	-28	-15	-34	-62	-75	-68	-95	-48	-66	-20	-59	-10	-26	-17	-34	-40	-28	-18	13	-31	-8	-25	-12	-13	-45	-14	-21	22	-25	-16	3	
System Total		16312	15899	15564	15183	14911	14708	14469	14262	14041	13856	13795	13736	13913	14025	13779	13697	14371	15297	15985	16381	16757	17052	17270	17422	17242	17076	17065	17493	17661	18282	18429	18542	18649	18760	18524	18012	17431	17159	17386	18253	18547	18685	18586	18345	17905	17775	17487	17124	
SRev ST-Coal		190	170	176	184	181	239	500	543	556	603	607	611	612	617	618	610	547	236	162	158	174	151	153	162	133	323	294	313	271	147	172	159	196	161	201	118	154	162	145	145	131	138	120	129	176	176	241		
SRev CCGT-Gas		1245	1463	1649	1924	2205	2333	2242	2341	2561	2673	2560	2529	2341	2253	2543	2808	2452	1882	1455	1190	865	731	599	490	767	898	1146	796	716	388	237	203	224	194	206	483	472	549	347	288	244	194	241	310	374	505	549	759	
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 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 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		26	16	22	18	12	10	8	12	12	6	14	12	8	10	8	8	16	28	36	44	48	52	52	52	54	60	64	64	74	80	82	84	80	78	72	60	62	50	50	48	42	44	36	42	40	36	38	32	
Syncon		613	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	739	
Hydro		294	199	218	243	227	249	209	250	256	267	269	231	362	221	234	283	219	216	234	235	235	238	238	235	339	279	449	290	316	295	266	238	404	244	247	209	395	340	298	752	481	439	481	445	638	680	622	485	
S.Reserve Total		2368	2587	2804	3108	3364	3570	3698	3885	4124	4288	4189	4122	3911	3840	4142	4448	3973	3101	2626	2366	2061	1911	1781	1678	1757	2299	2541	2202	2116	1561	1408	1335	1181	954	1003	1334	1835	1853	1592	1233	1070	968	1029	1301	1566	1548	1536	1855	