

Daily System Generation Summary on Saturday

Saturday, August 5, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,230 MW
Distillate	0 MW
Total TNB	2,230 MW
Total IPP	18,529 MW
Total Co-Gen	0 MW
Total System	24,761 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,219	4.35 %
Gas	55,835	14.99 %
Total TNB	72,054	19.35 %
ST-Coal	213,496	57.32 %
LSS	6,014	1.61 %
Gas	80,668	21.66 %
Total IPP	300,178	80.59 %
Co-Gen	-96	-0.03 %
Total Co-Gen	-96	-0.03 %
Total Generation	372,136	99.91 %
PLTG	368	0.10 %
HVDC	-700	-0.19 %
Interconnection	-332	-0.09 %
Net Energy	372,468	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:	20:30:00 Hour
Total Set On Bus	18,521 MW
TNB Generation	3,547 MW
IPP Generation	13,625 MW
Spinning Reserve	1,332 MW
Maximum Demand	17,208 MW
Net Energy	372,468 MWH
Load Factor	90.19 %

Fuel Cost

Total Cost:	79,891,218.80 RM
Cost per Unit	21.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	258
Hydro	354
Syncon	601
Thermal	612
Total	1,825

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	29

Gas Usage

Station	(mmscfd)
GLGR	59
TJGS	97
Total TNB	156
CBPS	51
EMPP	215
NPRI	154
PCGP	88
SPGP	209
Total IPP	717
Total Gas	874
Total Gas Required	874

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	16766	15957	15282	14687	14335	14060	13923	13723	13402	14255	15118	15563	15544	15290	15793	16147	16422	16462	15917	16080	17150	17113	16837	16524

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, August 9, 2023 8:37:07 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	345	217	215	214	214	212	215	214	214	214	215	213	213	215	214	214	212	214	214	213	213	215	213	215	214	213	213	213	214																					
JMAH	U002	371	212	212	213	214	213	214	213	214	213	213	213	213	212	211	212	212	213	213	214	214	213	214	295	568	695	694	698	696	695	500	388	213																	
JMHE	U001	974	802	680	499	500	498	500	497	500	500	501	500	501	599	674	820	849	852	850	930	926	960	975	976	976	973	978	978	973	965	976	973	975	979	977	971	976	977	975	974	977	974	975	975	974	977	972			
JMHE	U002	975	764	566	501	503	502	499	497	499	499	501	501	502	605	699	836	851	847	850	859	931	977	975	973	974	975	977	976	973	974	975	976	975	977	975	977	975	977	974	976	976	973	976	976	973	976	973			
JMJG	U001	666	666	668	668	670	670	673	673	665	665	671	671	669	669	666	667	662	662	662	671	671	681	658	666	666	668	668	679	666	668	668	668	665	665	670	668	669	662	666	666	668	668	666	665	665	668				
JMJG	U002	673	673	674	674	678	678	671	671	674	674	675	675	673	673	676	678	673	673	672	672	672	682	677	675	675	672	672	675	674	675	675	673	673	674	674	672	678	673	677	677	677	673	673	673	668	668	668			
JMJG	U003	662	662	666	666	672	672	657	657	665	665	665	665	657	657	662	660	640	640	595	617	617	618	685	675	675	671	671	676	672	673	673	681	681	671	671	631	609	612	601	618	618	594	594	596	604	609	609	648		
JMJG	U004	972	968	968	973	968	968	914	895	900	900	902	903	900	898	902	897	900	898	925	924	974	974	972	975	973	973	974	975	975	977	976	972	973	972	971	976	977	974	975	972	976	976	973	979	977	977	977	976		
JMJG	U005	979	980	981	980	983	981	850	860	850	857	854	848	852	850	849	849	848	867	933	931	979	977	977	979	978	977	973	978	977	977	974	974	978	976	977	976	977	977	981	978	978	977	976	977	977	976	977	976		
PKLG	U004	147	147	146	148	147	145	147	142	149	149	149	149	148	149	147	147	147	144	145	147	143	144	145	144	143	145	133	150	145	148	147	146	146	147	146	146	147	147	145	144	145	145	145	148	148	148	146	146	146	
PKLG	U005	267	267	269	270	270	269	269	268	269	269	269	267	269	267	269	267	269	269	269	270	269	269	271	267	270	269	270	269	269	269	267	270	269	267	269	270	269	269	269	269	269	269	269	269	270	269	269	270	269	270
TBIN	U001	594	600	600	600	599	600	600	599	599	599	601	602	463	296	300	301	300	301	256	209	211	209	211	209	211	211	209	209	210	210	208	226	379	624	691	690	689	690	692	690	689	689	689	695	690	690	690	690		
TBIN	U002	657	602	602	602	600	601	602	601	600	602	601	601	603	600	589	376	299	299	301	266	209	212	211	213	211	213	209	212	226	374	458	646	692	693	692	690	690	690	692	691	692	693	692	692	690	690	691	691		
TBIN	U003	658	600	601	601	599	599	602	601	601	602	540	370	238	211	210	209	210	210	210	210	210	210	209	209	210	210	210	210	244	385	486	652	686	685	685	686	687	684	683	685	683	685	683	684	685	683	684	684	684	685
TBIN	U004	979	982	978	978	979	979	895	852	852	854	853	853	854	854	852	852	853	863	932	934	983	984	982	984	983	981	981	985	982	982	982	982	984	983	982	980	983	983	981	984	982	981	981	984	981	981	981	980		
Total ST-Coal		9919	9142	8826	8587	8596	8587	8308	8241	8250	8263	8205	8031	7899	7923	7914	7989	7925	7926	7910	8115	8071	8327	8376	8365	8372	8367	8356	8422	8544	8653	8982	9094	9300	9492	9740	9770	9743	9749	9813	10115	10230	10212	10208	10210	10230	10018	9910	9771		
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	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	0
CBPS	BLK2	359	360	318	350	360	360	353	324	223	220	228	236	254	243	222	221	221	221	359	359	359	359	359	360	360	358	358	356	355	354	355	353	353	353	355	354	355	357	358	360	359	359	360	359	359	359	359	359	359	359
EMPP	BLK1	671	711	696	709	719	714	712	710	680	614	702	711	715	715	715	650	710	709	711	710	710	710	711	697	707	707	712	703	711	711	714	713	710	713	704	702	700	711	711	710	710	712	708	701	707	710	709	709	709	
EMPP	BLK2	671	710	696	710	719	710	714	710	684	610	709	710	715	715	715	650	710	710	710	710	711	697	708	707	710	703	711	711	716	713	710	713	704	702	700	712	711	711	711	710	712	709	701	711	710	709	709	709		
EMPP	BLK3	710	649	650	375	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT01	107	107	106	107	106	108	107	107	106	107	108	107	107	106	107	106	107	108	108	107	107	108	107	107	108	106	106	106	107	106	106	106	108	106	107	107	106	107	109	108	106	107	106	107	106	107	107	107	107	
GLGR	GT02	106	106	107	106	106	106	106	106	106	106	107	106	107	106	107	106	107	107	107	107	107	107	107	107	108	107	107	106	106	106	106	106	106	106	106	106	107	106	107	106	106	107	106	107	106	107	106	107	107	
GLGR	ST1C	97	97	96	96	97	97	97	97	97	96	97	97	96	96	96	96	96	96	96	96	95	96	96	96	96	96	96	97	97	97	97	97	96	97	96	96	96	96	96	96	96	96	96	96	97	96	96	96		
NPRI	BLK1	442	530	531	531	532	530	529	524	523	515	524	526	530	526	515	480	493	511	510	506	511	509	511	508	495	503	507	509	499	510	508	513	511	511	508	503	500	500	508	508	511	511	509	506	498	508	509	506	506	
NPRI	BLK2	490	510	508	514	416	416	346	319	316	309	317	320	326	320	308	302	313	343	520	516	520	519	522	518	506	515	516	518	510	522	518	526	520	521	518	511	511	512	519	518	521	520	518	518	509	516	520	514	514	
PCGP	PGRG	560	603	601	611	623	615	610	601	603	599	599	608	619	610	581	543	566	602	601	595	603	603	602	602	574	590	595	600	582	609	598	612	606	603	601	584	584	582	602	598	603	603	598	596	577	599	600	590	590	
SPGP	BLK1	719	718	719	719	719	720	718	720	719	719	716	715	718	718	720	717	716	714	714	712	710	711	717	711	709	713	703	693	694	691	696	692	692	690	689	693	697	700	703	706	704	706	709	710	713	714	715	718	718	
SPGP	BLK2	701	727	726	728	734	733	733	727	725	715	725	727	732	727	716	690	701	724	728	722	727	724	728	721	706	714	715	713	704	713	710	713	713	710	701	693	700	696	718	713	718	720	720	717	706	721	724	717	717	
TJGS	GT1A	209	221	221	210	221	225	222	223	223	221	113	124	122	123	117	104	116	123	123	131	220	221	205	219	213	145	121	223	218	221	221	220	220	222	222															

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																											
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	20	20	20	21	23	23	25	25	25	25	25	25	25																					
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																					
PGAU	HY01	-1	-1	-1	-1	20	20	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																					
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	19	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1																						
SIHY	HY01	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	30	30	30	30																						
SIHY	HY02	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	30	30	30	30																						
SIHY	HY03	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	30	30	30	30																						
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	24	24	24	25	25	17	17	17	17	17	17																						
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17	17	17	17	17	17																						
SYPS	HY04	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	17	17	17	17																						
TMGR	HY01	-1	-1	-1	0	0	-1	-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	84	85	84	78	80	0	0	0																						
TMGR	HY03	0	0	0	0	0	31	2	2	2	2	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
TMGR	HY04	36	77	43	56	81	83	81	66	42	41	41	52	79	50	41	35	38	43	42	41	41	41	41	42	38	42	42	43	43																						
UJLI	HY01	-1	-1	90	77	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	94	94	78	-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	91	95	94	92	-1	-1	-1	-1	-1																						
UPIA	HY01	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	7	7	7																						
Total Hydro		588	646	702	704	671	704	670	656	611	608	608	621	671	643	609	367	371	381	382	456	613	580	588	576	563	574	552	553	573	834	670	862	858	873	686	597	597	595	642	855	1058	1125	1053	956	865	814	740	722			
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	0	0		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	9	13	16	19	15	20	22	25	26	27	28	24	5	16	21	16	8	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0		
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	7	12	16	27	13	21	31	31	31	32	31	30	5	5	5	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0		
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	15	16	17	16	9	26	33	17	34	19	17	13	3	0	0	2	0	0	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	3	8	15	20	25	31	33	40	43	32	41	20	15	10	10	17	34	13	5	3	2	3	1	1	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	1	3	7	16	16	19	22	24	20	27	42	41	42	27	32	36	13	22	24	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0			
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	14	6	7	8	20	29	15	28	16	28	27	26	23	22	19	14	10	6	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	4	8	16	16	22	28	20	11	24	25	21	48	15	31	13	18	12	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	18	16	13	18	19	16	18	10	30	30	10	13	11	10	3	1	1	0	0	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	5	11	17	23	29	29	14	29	43	50	14	49	44	28	25	10	35	8	4	5	3	2	0	0	0	0	0	0	0	0	0	0	0			
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	24	48	47	60	46	65	81	92	38	45	73	41	49	4	0	0	6	0	0	0	0	0	0	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	3	8	15	22	15	23	15	21	39	46	39	45	44	19	9	3	1	2	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	16	20	17	23	28	20	19	22	13	25	27	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	33	40	52	67	80	74	87	100	83	100	47	100	62	22	23	5	1	1	0	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	6	11	14	18	12	8	18	22	18	19	12	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	24	27	29	29	30	24	29	30	29	27	8	29	29	29	29	7	0	1	1	0	0	0	0	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	1	5	16	12	25	30	36	28	38	49	49	47	41	48	47	43	40	35	13	3	14	8	1	0	0	0	0	0	0	0	0	0	0	0	0		
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	62	38	58	60	93	95	62	58	88	88	90	88	70	96	94	16	12	45	61	58	3	0	0	0	0	0	0	0	0	0	0	0	0		
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	26	42	57	68	67	95	85	102	102	103	103	97	97	97	92	82	67	56	35	19	4	4	4	0	0	0	0	0	0	0	0	0	0	0		
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	14	17	28	10	9	44	47	45	37	48	50	46	6	15	3	3	1	0	1	1	2	1	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	11	19	26	33	40	44	47	19	13	19	52	54	53	49	33	41	35	32	27	13	3	2	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	10	15	21	26	31	35	39	26	20	18	10	37	28	15	15	26	20	10	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0		
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	11	14	17	8	6	26	10	13	10	10	9	9	25	23	19	17	13	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	21	29	30	15	30	30	31	30	30	30	30	30	30	30	30	30	8	19	1	1	0	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	11	113	292	386	564	619	708	749	791	876	913	848	840	945	740	703	527	446	332	244	219	129	28	10	5	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	12	0	12	11	4	6	0	5	9	0	12	10	9	12	14	14	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		
PFTZ	PFTZ	9	8	9	8	9	8	8	8	8	8	8	8	8	7	8	7	7	7	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Total Co-Gen		3	-11	1	1	-3	-5	-8	-5	-2	-11	7	5	3	5	7	10	-3	-3	-10	-12	-14	-22	-11	-6	-12	-10	-15	-11	-25	-27	-23	-17	-15	-15	-8	-6	-7	3	1	6	5	17	11	10	7	7	8	11	
Total Gen		16791	16290	15969	15513	15243	15090	14673	14524	14330	14145	14051	13929	13894	13856	13725	13426	13400	13846	14238	14706	15099	15432	15509	15555	15523	15424	15258	15605	15776	16012	16130	16296	16403	16484	16451	16128	15927	15824	16085	16799	17127	17189	17103	16992	16849	16669	16497	16319	
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		-29	-29	-29	-28	-30	-29	-31	-29	-29	-30	-28	-27	-29	-29	-29	-31	-28	-30	-29	-28	-31	-31	-28	-29	-29	-29	-28	-29	-31	-31	-29	-29	-28	-30	-28	-28	-28	-28	-30	-31	-30	-28	-30	-29	-30	-30	-30		
TIE-PLTG		54	49	41	3	-9	20	16	23	24	9	20	9	0	6	30	67	26	-9	12	10	12	9	-26	-26	9	32	-3	-46	12	13	13	-4	9	-12	19	17	38	57	33	18	8	11	18	25	41	31	4	23	
Interconnection		25	20	12	-26	-39	-8	-14	-6	-5	-21	-9	-19	-29	-22	2	37	-2	-39	-17	-18	-19	-22	-54	-55	-21	4	-32	-74	-17	-18	-17	-32	-19	-39	-11	-11	10	29	5	-13	-23	-19	-10	-5	12	0	-27	-7	
System Total		16766	16270	15957	15539	15282	15098	14687	14530	14335	14166	14060	13948	13923	13878	13723	13389	13402	13885	14255	14724	15118	15454	15563	15610	15544	15420	15290	15679	15793	16030	16147	16328	16422	16523	16462	16139	15917	15795	16080	16812	17150	17208	17113	16997	16837	16669	16524	16326	
SRev ST-Coal		573	772	772	766	755	757	991	996	992	989	983	986	997	998	994	991	1022	1021	1069	925	900	654	601	611	600	613	609	594	609	619	579	549	534	494	492	471	495	490	507	478	424	442	446	447	427	507	501	467	
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		480	151	224	168	410	210	311	382	543	729	783	742	693	729	819	965	1020	764	444	431	204	175	207	185	290	434	497	213	275	202	216	184	200	212	225	466	549	565	395	196	180	179	183	198	267	184	175	199	
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 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 Co-Gen		1	1	0	0	0	1	0	-1	0	0	1	0	0	0	0	0	-1	0	0	1	0	0	1	0	0	2	0	0	0	0	0	0	2	0	0	0	-2	1	0	0	0	1	1	3	1	1	1	0	-1
Syncon		764	764	577	489	525	613	613	613	764	764	764	764	525	525	764	865	777	865	865	613	613	613	764	613	525	613	614	764	764	577	577	577	577	426	577	764	764	764	764	426	390	390	390	577	613	613	764	764	
Hydro		171	113	244	243	240	293	240	254	148	151	151	138	240	268	150	291	288	277	276	454	297	330	171	334	348	336	207	206	211	162	326	134	138	274	310	212	212	214	167	417	387	320	392	302	357	408	244	262	
S.Reserve Total		2076	1888	1904	1840	2104	1961	2242	2331	2534	2720	2769	2717	2629	2694	2814	3198	3281	3014	2742	2510	2101	1860	1830	1830	1939	2083	2014	1864	1946	1647	1785	1533	1536	1493	1691	1998	2108	2120	1920	1604	1382	1332	1414	1525	1665	1713	1771	1778	