

Daily System Generation Summary on Friday

Friday, August 25, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,176 MW
Distillate	0 MW
Total TNB	2,176 MW
Total IPP	19,017 MW
Total Co-Gen	0 MW
Total System	25,195 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,115	3.97 %
Gas	41,916	11.02 %
Total TNB	57,031	14.99 %
ST-Coal	235,267	61.85 %
LSS	6,756	1.78 %
Gas	80,812	21.25 %
Total IPP	322,835	84.87 %
Co-Gen	3	0.00 %
Total Co-Gen	3	0.00 %
Total Generation	379,869	99.87 %
PLTG	207	0.05 %
HVDC	-707	-0.19 %
Interconnection	-500	-0.13 %
Net Energy	380,369	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:	16:00:00 Hour
Total Set On Bus	18,971 MW
TNB Generation	2,881 MW
IPP Generation	14,864 MW
Spinning Reserve	1,224 MW
Maximum Demand	17,767 MW
Net Energy	380,369 MWH
Load Factor	89.20 %

Fuel Cost

Total Cost:	80,551,429.87 RM
Cost per Unit	21.16 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	620
Hydro	665
Syncon	354
Thermal	400
Total	2,039

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	45
Total TNB	74
CBPS	43
EMPP	250
NPRI	149
PCGP	81
SPGP	200
Total IPP	723
Total Gas	797
Total Gas Required	797

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	15860	15013	14523	14109	13728	13482	13708	13901	14074	15493	16269	16787	16792	16557	16748	17390	17767	17463	16393	16480	17334	17146	16638	16302

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 29, 2023 3:26:51 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

		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		696	696	695	695	697	696	696	695	697	696	655	605	607	607	604	605	607	606	606	696	695	696	695	696	694	697	695	696	694	697	695	695	696	694	697	695	695	696	695	656											
JMAH	U002		217	218	219	223	215	196	218	217	219	225	338	352	356	444	604	605	603	604	604	603	686	693	696	696	696	694	696	691	696	695	695	692	695	685	696	694	697	695	695	699	693	694	694	654							
JMHE	U001		973	973	972	975	972	972	935	900	897	901	846	849	851	851	848	852	851	849	849	850	951	978	979	973	978	977	974	976	978	978	978	974	971	975	976	982	977	979	978	976	976	979	977	973	975	975	977				
JMHE	U002		972	972	972	974	973	975	924	903	897	901	848	852	851	852	848	852	852	848	850	849	938	974	978	974	979	979	973	975	976	977	977	976	974	973	972	976	976	976	978	980	978	973	976	976	965	969	968	968			
JMJG	U001		668	669	677	673	672	671	673	672	671	664	675	668	677	671	683	675	672	680	666	672	678	672	665	673	677	673	665	670	669	673	674	668	671	672	667	673	671	680	673	672	671	666	666	675	671	669	666				
JMJG	U002		682	683	680	683	683	679	678	682	682	672	685	678	677	681	678	679	680	680	677	682	673	679	682	681	678	684	677	679	681	688	678	681	685	679	681	681	682	685	679	679	677	678	679	681	680	678	678	680			
JMJG	U003		670	673	671	671	668	611	601	665	671	669	667	671	665	667	669	671	667	672	666	669	665	672	665	671	667	671	668	670	667	679	672	676	664	669	673	666	670	668	672	667	668	671	671	672	671	672	665	669			
JMJG	U004		978	976	975	980	973	983	971	915	906	905	887	852	854	857	856	854	854	857	856	855	881	939	978	980	980	985	981	979	978	983	978	980	979	983	982	979	977	977	979	982	985	983	981	979	985	985	981	978			
PKLG	U003		274	277	278	278	279	276	276	207	206	207	173	169	149	151	151	152	150	151	151	151	151	151	151	151	151	151	225	254	276	276	275	278	274	231	149	156	159	160	165	149	150	193	213	153	155	152	153	154	154	154	
PKLG	U004		274	283	278	275	274	273	269	205	204	205	199	145	148	149	149	149	149	150	149	150	149	150	201	236	278	280	280	280	278	278	274	275	278	276	278	274	276	237	153	145	149	149	149	149	149	149					
PKLG	U005		443	467	439	408	413	382	295	266	260	260	260	260	278	274	285	293	296	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260			
TBIN	U001		690	689	688	689	687	688	688	690	688	687	689	689	688	688	686	689	689	688	689	693	688	689	688	690	689	690	690	688	689	689	688	691	689	689	690	688	689	690	691	691	690	689	689	686	688	690	690	689	689		
TBIN	U002		690	690	687	688	688	689	689	688	688	689	688	689	688	688	686	689	688	688	689	690	688	688	688	688	688	688	688	688	687	688	689	686	689	685	686	689	689	688	689	687	689	689	688	688	683	688	689	691	688	688	
TBIN	U003		689	687	688	689	687	688	688	689	690	689	688	689	688	688	691	688	686	694	690	688	688	689	687	689	690	688	689	688	687	687	687	687	688	691	688	689	692	688	689	687	690	690	691	688	687	688	689	688			
TBIN	U004		982	981	985	982	985	983	970	905	901	904	875	853	854	853	852	852	851	851	854	853	897	985	984	986	985	984	983	984	983	982	982	982	984	982	986	984	982	986	984	984	984	981	983	985	988	981	984	983	983	980	983
Total ST-Coal			9898	9934	9904	9883	9866	9762	9569	9300	9277	9274	9171	9039	9029	9130	9286	9309	9261	9272	9258	9266	9690	9913	9951	10081	10153	10224	10191	10203	10202	10228	10206	10155	10073	10075	10092	10085	10110	10081	10094	10133	10147	10078	10040	9957	9944	9955	9934	9859			
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	0		
CBPS	BLK2		220	221	219	218	214	220	221	222	218	218	216	222	222	221	209	219	223	222	223	221	221	220	222	220	221	221	222	216	223	222	301	376	373	374	359	358	267	212	211	335	359	354	355	363	354	358	358	358	358		
EMPP	BLK1		462	410	408	411	405	412	410	451	407	405	404	458	506	475	391	409	415	409	541	589	545	549	583	567	517	413	430	429	435	411	551	691	699	693	703	699	569	533	671	708	660	685	684	708	682	696	696	704			
EMPP	BLK2		462	411	409	412	405	411	412	457	407	402	404	465	509	472	391	410	417	409	541	586	540	553	587	570	514	410	431	428	433	410	555	710	701	694	704	698	563	535	706	715	697	685	686	709	681	695	696	697			
EMPP	BLK3		464	411	408	411	405	411	412	457	408	404	404	466	510	476	391	410	425	418	541	585	540	558	585	570	514	411	431	429	434	739	744	743	745	744	711	708	709	708	708	713	709	704	704	708	702	696	697	696			
GLGR	GT01		97	94	94	94	95	96	95	96	95	94	94	95	94	96	93	94	95	95	95	95	95	95	95	94	95	94	95	94	95	94	93	93	94	94	94	94	96	95	96	98	95	95	97	96	95	96	95	95			
GLGR	ST1C		43	41	42	41	42	42	42	42	41	41	42	42	42	42	41	41	42	40	42	41	41	43	41	41	42	42	42	42	42	41	42	41	42	42	43	44	42	43	43	44	42	43	43	43	43	42					
NPRI	BLK1		448	450	446	445	438	448	447	449	441	310	308	318	317	319	299	312	321	526	524	518	522	525	521	518	521	517	523	521	518	516	515	518	518	515	518	520	520	518	520	526	521	523	521	521	526	527	527				
NPRI	BLK2		442	444	430	433	425	391	327	327	317	324	317	327	332	327	310	321	356	476	526	526	525	525	526	522	521	523	525	517	526	524	526	523	523	518	519	515	521	524	523	527	518	516	517	524	514	521	521	521			
PCGP	PGRG		603	602	395	393	382	400	403	404	387	399	386	405	401	402	373	394	408	607	604	601	601	604	605	603	604	602	603	587	606	602	604	602	597	593	596	589	595	604	603	609	593	587	605	585	593	595	596				
SPGP	BLK1		721	720	719	721	717	718	719	719	722	719	722	722	722	723	721	724	720	720	715	711	704	706	705	720	698	696	695	717	716	722	719	718	716	711	705	707	707	712	713	716	714	715	717	720	720	720	720				
SPGP	BLK2		716	717	718	720	501	360	359	361	360	360	362	360	362	518	721	603	601	716	715	716	711	713	711	707	707	706	717	719	718	720	720	721	719	717	711	717	715	719	716	720	720	721	721	721	721						
TJGS	GT1A		117	119	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
TJGS	GT1B		120	119	119	118	131	130	134	134	131	131	131	134	133	132	123	134	131	134	133	133	132	127	130	133	131	130	131	130	134	133	134	131	216	213	216	150	133	132	135	212	216	216	217	218	220						

Daily MW Generation on Friday

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																												
KNYR	HY01	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	96	97	97	97	96	96	97	96																												
KNYR	HY02	99	99	99	99	98	99	98	99	99	99	98	99	99	99	99	99	98	98	98	98	98	98	98	98																												
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	98	98	98	98	98	97	98																												
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23																												
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	20	-1	-1	-1	-1	-1	-1	-1	20	20	-1	-1	-1	-1	-1	21	20	-1																												
PGAU	HY02	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	14	-1	-1	20	20	19	19	19	19	22	20	-1																												
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	20	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	30	0																												
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0																												
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0																												
TMGR	HY01	80	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	33	33	33	33	-1	-1	-1	-1	-1	-1																											
TMGR	HY02	87	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	37	36	36	36	37	36	37	0																											
TMGR	HY03	81	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	32	32	31	0	0	0	0	0																											
TMGR	HY04	81	41	40	42	39	42	42	47	42	41	39	43	41	42	41	41	41	41	41	40	72	42	44	45	41																											
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	92	92	89	89	88	-1	-1																											
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	90	89	-1	-1	-1	-1	-1																											
UPIA	HY01	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																											
Total Hydro		830	616	425	425	423	426	447	432	427	426	429	426	428	434	312	421	431	475	578	580	630	631	630	665	666	666	661	615	679	677	679	981	1074	1072	706	611	614	625	986	1197	1188	1115	858	749	514	372	373					
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	1	2	3	11	18	9	11	18	7	22	9	28	10	5	3	3	4	8	4	6	4	3	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	2	6	11	13	18	24	26	31	27	34	21	28	32	31	21	29	20	23	18	9	2	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	3	7	12	16	20	23	27	32	34	27	32	34	34	30	29	28	26	11	6	4	2	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	4	10	15	14	17	22	25	25	22	27	7	9	35	41	40	19	24	12	4	3	2	2	1	0	0	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	2	4	7	27	27	30	34	32	25	26	34	22	28	40	15	13	12	24	6	1	0	1	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	2	4	10	14	18	24	24	25	12	6	25	30	28	29	26	24	21	17	15	9	3	0	0	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	1	6	15	22	26	30	23	39	42	47	48	45	47	45	43	42	45	33	26	13	7	2	1	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	2	8	14	18	23	24	20	30	28	28	18	20	19	18	10	5	29	26	21	10	4	2	1	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	4	12	18	24	31	37	19	43	45	46	51	30	44	31	25	10	7	2	2	1	0	0	0	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	8	20	34	48	59	68	75	90	32	91	60	90	60	79	85	81	70	64	33	17	10	5	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	4	9	17	23	28	32	36	18	43	41	45	45	45	41	44	41	29	18	15	8	6	3	2	1	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	2	5	9	14	19	23	27	21	23	23	25	9	16	8	27	27	18	23	12	7	4	2	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	1	14	30	47	61	74	84	93	100	84	100	100	101	97	88	100	97	60	44	13	15	9	4	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	4	9	11	18	23	25	19	20	22	29	30	30	30	30	30	25	22	5	4	2	1	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	1	6	15	24	27	29	29	28	27	29	29	19	29	18	8	4	3	8	17	6	0	0	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	0	0	0	0	0	0	0	0	0	0	0	11	51	49	31	18	11	5	6	2	4	3	3	0	0	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	5	12	53	69	77	79	87	88	92	90	66	92	67	94	96	96	35	27	10	4	0	2	3	1	0	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	31	47	62	77	88	34	54	103	103	105	109	104	104	98	93	83	71	61	23	18	2	2	0	0	0	0	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	5	12	21	29	36	32	50	20	17	49	50	26	32	49	50	46	33	16	8	10	10	2	1	0	0	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	5	10	15	25	31	35	43	50	22	15	34	53	52	36	44	46	41	11	9	6	6	2	0	0	0	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	3	8	19	25	29	34	38	40	43	44	48	46	48	19	11	13	11	3	0	0	0	0	0	0	0	0	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	7	7	14	15	21	22	8	14	29	8	29	29	27	16	23	20	3	0	1	1	0	0	0	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	2	6	13	20	29	25	30	30	30	30	30	24	30	30	30	30	30	15	30	14	7	7	1	0	0	0	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	15	93	281	445	611	722	811	792	840	792	919	885	976	978	943	876	764	635	513	303	167	106	42	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	17	18	4	18	1	0	0	0	7	0	0	0	0	5	10	23	18	9	8	13	10	8	14	13	19	22	8	11	13	7	25	23	24																			

Daily MW Generation on Friday

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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																								
Total Co-Gen		17	20	5	18	2	4	4	0	12	6	3	4	3	12	11	25	18	2	-1	-3	-9	-14	-11	-11	-7	-8	-25	-19	-21	-28	-5	-5	2	-14	-24	-17	4	6	1	2	7	10	8	-5	-2	6	9	16
Total Gen		15826	15495	14999	14815	14529	14309	14081	13928	13728	13593	13466	13564	13687	13852	13871	13810	14026	14837	15456	15859	16235	16634	16758	16888	16763	16652	16624	16731	16737	17036	17340	17536	17747	17677	17440	16834	16352	16152	16457	17146	17320	17232	17128	16857	16647	16474	16321	16136
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		-31	-28	-29	-28	-31	-28	-29	-29	-31	-29	-30	-31	-31	-30	-31	-28	-29	-28	-31	-31	-29	-29	-31	-28	-31	-28	-31	-29	-29	-28	-31	-30	-30	-30	-31	-31	-28	-28	-30	-29	-29	-28	-30	-28	-29	-30	-30	
TIE-PLTG		-3	6	15	15	36	9	1	22	30	12	13	4	10	-6	0	5	-20	3	-9	-9	-3	1	-1	-11	-1	23	95	82	18	-44	-21	-26	10	-6	7	0	-11	-6	5	-4	15	6	11	-23	37	34	49	41
Interconnection		-34	-22	-14	-13	6	-19	-28	-7	0	-17	-16	-26	-21	-37	-30	-26	-48	-26	-37	-40	-34	-28	-29	-42	-29	-8	67	51	-11	-73	-50	-56	-20	-36	-23	-30	-41	-34	-23	-34	-14	-23	-18	-53	9	5	19	11
System Total		15860	15517	15013	14828	14523	14328	14109	13935	13728	13610	13482	13590	13708	13889	13901	13836	14074	14863	15493	15899	16269	16662	16787	16930	16792	16660	16557	16680	16748	17109	17390	17592	17767	17713	17463	16864	16393	16186	16480	17180	17334	17255	17146	16910	16638	16469	16302	16125
SRev ST-Coal		244	208	238	259	276	370	553	740	750	761	806	908	904	805	892	847	899	878	900	891	690	495	457	453	444	398	431	419	256	230	252	278	278	282	269	277	257	270	258	262	267	277	297	292	299	292	312	387
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		1515	1671	1931	1753	2004	2125	2181	2046	2230	2355	2372	2150	2013	1960	2102	2093	2009	1391	963	835	990	948	847	894	1082	1391	1335	1332	1279	1028	656	310	186	213	245	349	721	833	517	218	273	286	277	195	286	243	236	354
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 Co-Gen		-2	0	1	0	0	-2	0	1	0	0	0	0	0	0	0	0	0	1	-1	0	0	-1	-1	0	-1	-1	0	0	0	-2	0	0	1	0	0	-2	0	0	0	0	0	0	0	0	1	0	-2	
Syncon		802	651	890	890	890	890	739	890	890	890	890	890	890	890	739	890	890	739	588	374	374	374	374	374	374	374	374	374	739	552	552	552	277	151	151	703	890	890	890	577	0	0	126	401	401	890	890	890
Hydro		113	263	128	128	130	127	257	121	126	127	131	124	127	125	270	241	132	273	530	641	639	700	699	700	752	751	751	756	300	423	425	423	483	666	668	482	390	387	376	478	844	853	800	632	641	250	281	280
S.Reserve Total		2672	2793	3275	3117	3387	3597	3817	3885	4083	4220	4286	4159	4021	3867	4090	4158	4017	3369	3067	2828	2780	2603	2463	2508	2651	2913	2891	2881	2574	2233	1883	1563	1224	1313	1333	1811	2256	2380	2041	1535	1384	1416	1500	1670	1777	1763	1806	1996