

Daily System Generation Summary on Tuesday

Tuesday, October 17, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,193 MW
Distillate	0 MW
Total TNB	2,193 MW
Total IPP	16,888 MW
Total Co-Gen	0 MW
Total System	22,789 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,667	5.00 %
Gas	60,598	15.41 %
Total TNB	80,265	20.41 %
ST-Coal	207,069	52.65 %
LSS	4,451	1.13 %
Gas	101,520	25.81 %
Total IPP	313,040	79.60 %
Co-Gen	-737	-0.19 %
Total Co-Gen	-737	-0.19 %
Total Generation	392,568	99.82 %
PLTG	-5	0.00 %
HVDC	-701	-0.18 %
Interconnection	-706	-0.18 %
Net Energy	393,274	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	19,315 MW
TNB Generation	4,366 MW
IPP Generation	14,038 MW
Spinning Reserve	954 MW
Maximum Demand	18,370 MW
Net Energy	393,274 MWH
Load Factor	89.20 %

Fuel Cost

Total Cost:	91,710,686.39 RM
Cost per Unit	23.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	605
Hydro	331
Syncon	508
Thermal	173
Total	1,617

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	172
Total TNB	202
CBPS	47
EMPP	271
NPRI	147
PCGP	82
PLPS	49
SGRI	26
SKSP	53
SPGP	200
Total IPP	874
Total Gas	1,076
Total Gas Required	1,076

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	16440	15592	15038	14572	14245	13945	14081	13993	14298	15960	16629	17201	17042	16843	17561	17965	18205	18031	16955	17461	18100	17947	17612	17153

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 30, 2023 11:39:42 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

		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	694	695	695	697	696	696	696	697	695	696	695	696	695	699	695	696	695	696	696	696	697	698	695	696	697	698	695	696	695	697	696	696															
JMAH	U002		696	694	698	696	694	696	696	698	696	696	693	695	698	697	696	696	696	696	695	695	696	696	695	695	696	695	700	696	695	697	697	696	696																
JMHE	U002		979	977	977	978	981	977	977	899	898	901	901	901	899	899	901	903	900	963	977	977	980	978	980	979	977	978	977	978	978	976	976	980	976	980															
JMJG	U001		663	672	672	668	666	666	662	674	678	677	673	679	680	673	682	667	678	665	673	669	672	669	671	668	682	667	672	671	629	584	600	598	604																
JMJG	U003		657	668	658	668	662	661	662	672	667	678	667	667	681	667	678	672	672	675	673	673	670	728	743	750	672	668	674	645	673	672	675	668	667	666	666	666	666	666	666	666	666	666	666						
JMJG	U005		982	977	978	871	747	749	717	739	744	741	739	778	874	895	902	900	900	939	973	701	728	743	750	829	924	985	974	974	972	977	977	974	974	974	974	975	976	977	974	977	977	975	978	975	975				
PKLG	U003		277	275	276	276	276	277	274	273	277	275	274	278	276	276	276	275	275	276	274	275	274	276	275	273	275	275	274	275	277	275	273	274	276	275	275	273	274	275	277	274	275	277	274	277					
PKLG	U004		207	270	281	278	278	277	275	275	276	275	273	278	276	275	274	275	278	280	276	276	275	276	278	273	274	274	270	275	274	276	278	277	276	277	273	273	274	274	273	275	275	270	274	276	272	274	275	272	
PKLG	U005		470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	
TBIN	U001		691	691	691	692	685	689	689	690	691	689	689	691	689	690	689	689	688	688	690	691	689	690	691	689	691	689	689	689	688	688	689	692	690	690	683	690	689	690	688	689	689	689	689	689	689	689	689	689	
TBIN	U002		690	689	689	691	688	687	689	689	690	692	691	692	693	688	690	685	690	691	686	690	691	686	688	690	686	691	690	689	690	689	689	688	688	692	689	685	696	689	689	689	689	689	689	689	689	689	689	689	689
TBIN	U003		688	687	687	684	685	687	688	683	686	684	685	685	688	687	688	689	688	687	687	683	684	686	684	686	688	687	684	685	685	688	688	684	684	684	684	687	689	684	683	685	689	687	689	684	689	688	687	687	684
TBIN	U004		983	982	981	982	983	982	982	945	903	903	903	903	902	903	904	904	903	924	971	982	982	982	985	982	983	982	983	984	983	982	984	984	984	983	983	983	983	983	982	982	981	982	983	983	982	984	981	981	
Total ST-Coal			8679	8748	8752	8649	8510	8515	8477	8401	8374	8378	8356	8421	8505	8531	8534	8530	8533	8648	8744	8470	8510	8519	8540	8606	8707	8741	8747	8754	8756	8755	8775	8752	8742	8749	8755	8674	8682	8689	8672	8703	8688	8688	8743	8713	8667	8696	8681	8685	
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		353	229	210	210	212	213	210	211	209	212	210	211	212	212	247	370	360	362	361	355	210	206	212	356	361	361	361	367	368	358	361	356	362	362	361	362	362	357	359	361	360	357	361	361					
EMPP	BLK1		678	583	493	410	411	424	407	446	411	411	410	415	413	419	403	410	411	534	702	710	710	705	710	708	687	634	608	693	691	710	711	709	723	722	704	709	687	609	690	708	667	697	660	669	668	668	690	706	
EMPP	BLK2		678	578	496	409	411	424	408	446	411	411	414	419	410	420	402	411	414	539	706	709	708	711	709	710	686	635	613	694	689	710	711	710	723	723	703	709	687	608	687	708	669	696	660	665	669	661	689	709	
EMPP	BLK3		678	578	497	409	411	424	407	448	411	411	413	417	410	420	402	410	414	539	706	709	700	700	710	710	682	634	608	694	689	710	711	709	722	722	703	708	686	612	686	708	669	696	660	667	669	663	689	710	
GLGR	GT01		82	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT02		80	73	94	94	95	94	95	95	94	95	95	95	95	94	95	94	95	94	95	94	95	94	95	95	94	95	94	95	94	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	95	94	95		
GLGR	ST1C		86	72	42	42	42	42	42	41	41	42	42	42	41	42	42	41	41	42	41	41	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
NPRI	BLK1		512	523	523	520	523	309	305	308	306	308	310	310	308	309	304	310	314	314	314	515	524	511	514	512	505	511	506	512	505	513	511	513	526	523	509	514	504	514	515	514	514	513	508	509	511	512	505	512	
NPRI	BLK2		508	518	529	527	481	485	360	329	326	330	331	332	329	331	320	326	331	331	338	527	540	527	528	528	512	520	515	529	513	529	527	529	536	536	515	528	509	529	530	530	531	529	514	517	518	517	515	528	
PCGP	PGRG		583	602	604	599	604	605	599	399	397	402	401	398	401	400	389	395	403	402	400	457	470	595	600	603	584	598	591	603	589	602	599	603	627	620	594	602	584	601	606	602	604	601	591	595	598	601	586	600	
PLPS	GT12		97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT13		122	123	125	125	125	125	125	125	125	124	125	125	125	125	125	124	125	142	143	137	141	139	141	139	141	139	141	139	141	141	141	142	141	141	138	137	139	138	139	139	140	139	138	138	137	138			
PLPS	ST18		129	58	57	57	57	57	56	57	57	57	57	58	57	58	57	57	57	58	58	58	58	58	59	58	58	58	58	58	58	58	58	58	58	58	58	57	59	143	144	144	143	144	144	144	143	144	144	143	143
SGRI	GT13		0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	27	45	139	137	137	137	137	141	141	136	136	136	135	135	135	135	135	135	136	135	136	136	136	136	137	137	136	136	136	137	137	105	
SGRI	ST14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	71	71	71	72	71	71	73	71	71	71	72	73	71	72	71	72	71	72	70	69	70	67	68	66	67	65	62	66	70	61		
SKSP	BLK1		295	220	221	221	221	218	216	215	217	215	220	217	217	216	219	219	219	218	220	219	237	337	337	337	337	337	336	336	338	338	337	337	337	337	337	338	338	337	337	338	339	335	336	336	343	337	336	338	
SPGP	BLK1		708	719	720	718	718	719	719	718	718	569	570	571	568	718	504	395	693	719	720	716	714	709	705	708	697	697	694	697	705	698	692	690	692	700	694	704	697												

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	68	68	68	69	69	0
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	118	68	-1	-1	-1	-1	-1
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	22	22	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	22	22	23	23	23	24	23	23	23	23	38	38	38	37	38	38	37	37	37	37	37	37	37	37
KNRG	HY03	20	20	20	20	20	20	20	20	20	20	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	HY01	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
KNYR	HY02	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY03	97	98	98	98	98	99	98	98	97	96	96	98	98	94	95	98	99	99	100	100	96	98	97	97
KNYR	HY04	93	100	100	100	100	99	99	100	98	98	98	92	100	100	100	98	100	97	93	91	91	97	95	100
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	18
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	20	20	20	20	20	20	20	18
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	0	0	0	0	0	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	20	20	19	20	20	20	21	21	24
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157	157	156	22	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	78	78	78	33	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	85	85	84	84	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	32		
TMGR	HY04	39	42	44	41	42	49	42	41	41	41	41	44	41	43	41	42	44	79	81	44	41	41	41	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	95	98	104	102	92	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	105	104	94	11	
UPIA	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
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	
Total Hydro		626	637	640	637	638	580	589	570	570	555	554	574	558	592	575	582	592	594	596	654	656	673	775	772
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	1	1	2	2	3	8	11	10	15	17	22	14
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	7	13	27	28	19	15	15	6
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	8	4	0	3	5	4	9	14	20
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	13	21	28	32	29	37	26	40	30
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	9	12	12	16	27	40	39	39	38	39	18
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	8	17	24	12	23	25	26	18	10
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	12	16	19	17	4	5	7	11	15
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	10	18	9	22	2	6	9	16
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	11	23	29	24	32	21	22	28	32
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	8	14	17	20	10	0	9	12	10	20	35	53
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	14	10	1	3	4	6	12	24	27
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	10	6	4	5	6	5	7	13
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	5	1	16	77	61	61	62	73	64
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	6	17	22	18	23	21	21
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	5	7	12	15	16	17	17	19
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	12	15	19	24	27	25	23	22
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	14	21	25	34	44	49	53	42	51

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																								
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	6	16	37	52	30	73	89	94	89	45	63	104	51	41	36	88	68	47	27	21	16	11	6	1	1	1	0	0	0	0	0	0				
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	0	5	4	5	14	28	29	21	23	27	26	29	48	44	28	20	17	11	5	2	0	0	0	0	0	0	0	0	0				
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	7	12	13	23	33	31	43	40	55	55	30	24	50	55	36	26	25	18	22	19	3	2	1	0	0	0	0	0	0	0	0	0	0			
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	7	11	6	5	1	18	31	36	29	20	25	31	18	24	10	9	8	3	1	0	0	0	0	0	0	0	0	0				
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	6	9	14	14	23	21	29	24	22	20	11	5	1	8	5	2	0	0	0	0	0	0	0	0	0	0				
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	14	22	28	16	23	30	18	30	30	30	25	12	30	20	9	6	4	2	1	0	0	0	0	0	0	0	0	0	0				
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	1	39	99	157	216	278	365	451	513	526	526	588	679	674	653	626	618	580	448	331	260	166	88	26	2	2	2	0	0	0	0	0	0			
ESTL	ESTL	-13	-12	-13	-13	-13	-11	-19	-15	-16	-25	-17	-17	-27	-24	-12	-12	-9	-14	-12	-12	-14	-15	-16	-17	-15	-17	-21	-13	-16	-22	-19	-25	-16	-13	-22	-13	-14	-19	-24	-18	-18	-14	-14					
KHTC	BLK1	-26	-24	-27	-26	-24	-23	-24	-22	-23	-22	-21	-21	-23	-23	-24	-25	-28	-35	-35	-39	-39	-33	-30	-28	-27	-29	-29	-30	-32	-37	-37	-39	-44	-42	-42	-40	-34	-30	-32	-28	-27	-25	-26	-24	-24	-23	-23	
PCUF	CUFG	7	8	7	8	8	10	8	9	9	9	7	8	9	9	8	8	8	7	7	6	5	5	5	4	5	5	4	6	5	7	6	5	6	7	7	7	6	6	7	6	7	6	7	6	7			
PCUF	CUFK	4	4	4	5	3	4	1	3	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	3	4	4	4	4	4	4	3	5	2	2	5	4	3	5	3	6	
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	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		-24	-20	-25	-22	-22	-16	-30	-21	-21	-29	-23	-22	-33	-30	-20	-21	-18	-34	-31	-37	-40	-34	-42	-30	-35	-30	-32	-32	-35	-36	-40	-47	-44	-43	-49	-44	-45	-33	-29	-38	-27	-25	-30	-36	-27	-26	-24	-20
Total Gen		16417	15875	15548	15173	15001	14785	14548	14352	14209	13995	13891	13985	14049	14286	13973	13804	14269	15257	15933	16262	16560	16942	17164	17223	17008	16845	16837	17153	17544	17880	17913	18035	18170	18361	18033	17439	16947	16820	17440	18190	18078	18059	17940	17848	17577	17387	17148	16790
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			
TIE-HVDC		-31	-28	-31	-29	-28	-28	-31	-31	-28	-31	-29	-29	-29	-30	-28	-28	-30	-29	-29	-29	-30	-30	-29	-28	-28	-30	-28	-28	-31	-31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		8	-8	-13	-6	-9	-14	6	5	-8	-41	-25	-10	-3	-5	8	-11	2	13	2	-2	-41	-34	-8	-7	-5	31	24	22	12	-24	-21	-17	-6	20	31	2	21	10	8	-1	7	12	22	9	-6	5	25	10
Interconnection		-23	-36	-44	-35	-37	-43	-24	-26	-36	-72	-54	-39	-32	-35	-20	-38	-29	-15	-27	-31	-69	-63	-37	-36	-34	2	-6	-6	-17	-55	-52	-45	-35	-9	2	-27	-8	-19	-21	-30	-22	-17	-7	-20	-35	-24	-5	-20
System Total		16440	15911	15592	15208	15038	14828	14572	14378	14245	14067	13945	14024	14081	14321	13993	13842	14298	15272	15960	16293	16629	17005	17201	17259	17042	16843	16843	17159	17561	17935	17965	18080	18205	18370	18031	17466	16955	16839	17461	18220	18100	18076	17947	17868	17612	17411	17153	16810
SRev ST-Coal		96	173	169	252	281	156	194	269	295	293	315	250	315	386	387	391	387	273	177	151	181	172	131	295	194	180	174	167	165	166	146	169	179	172	166	157	149	142	159	128	143	143	158	188	197	135	150	146
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		
SRev CCGT-Gas		1091	1501	1675	1947	1981	2150	2344	2254	2370	2565	2652	2644	2777	2603	2913	3122	2809	1980	1464	1025	903	739	694	723	951	1212	1313	1008	677	527	543	490	233	214	361	300	701	884	427	272	380	301	452	422	401	418	490	805
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		1	0	2	0	0	0	-1	0	1	1	0	0	0	0	3	1	-1	0	0	2	0	0	0	0	0	0	0	0	0	0	-2	0	0	1	0	0	0	0	0	0	0	0	0	-2	0	0	-1	
Syncon		827	827	827	827	827	978	827	978	978	978	827	978	978	978	978	978	978	827	827	701	613	613	613	701	701	701	613	426	338	151	151	151	151	552	739	588	552	277	277	464	464	651	651	739	739	827		
Hydro		156	145	142	145	144	113	255	123	123	138	139	270	135	101	118	111	101	99	97	190	188	297	283	286	369	284	286	277	283	380	427	477	460	416	526	485	461	586	422	372	372	283	301	200	455	420	287	100
S.Reserve Total		2171	2646	2815	3171	3233	3397	3619	3624	3767	3975	4084	3991	4205	4068	4399	4603	4274	3330	2716	2195	2099	1909	1721	1917	2127	2377	2474	2153	1737	1499	1454	1285	1023	954	1205	1494	2050	2200	1560	1049	1172	1191	1375	1461	1702	1712	1666	1877