

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,254 MW
Distillate	0 MW
Total TNB	2,254 MW
Total IPP	18,237 MW
Total Co-Gen	0 MW
Total System	24,493 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,736	4.90 %
Gas	44,945	11.74 %
Total TNB	63,681	16.64 %
ST-Coal	224,968	58.78 %
LSS	5,774	1.51 %
Gas	87,453	22.85 %
Total IPP	318,195	83.14 %
Co-Gen	71	0.02 %
Total Co-Gen	71	0.02 %
Total Generation	381,947	99.80 %
PLTG	-200	-0.05 %
HVDC	-571	-0.15 %
Interconnection	-771	-0.20 %
Net Energy	382,718	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:	20:00:00 Hour
Total Set On Bus	19,002 MW
TNB Generation	3,992 MW
IPP Generation	13,993 MW
Spinning Reserve	1,005 MW
Maximum Demand	18,015 MW
Net Energy	382,718 MWH
Load Factor	88.52 %

Fuel Cost

Total Cost:	78,834,679.04 RM
Cost per Unit	20.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	307
Hydro	416
Syncon	422
Thermal	228
Total	1,373

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	29
SRDG	1
TJGS	66
Total TNB	97
CBPS	48
EMPP	278
NPRI	140
PCGP	82
SKSP	12
SPGP	198
Total IPP	758
Total Gas	855
Total Gas Required	855

Alternate Fuel Usage

Station	(mmcsfd)
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	15346	14625	14081	13647	13312	13254	13585	13688	14126	15643	16363	16765	16695	16434	17156	17782	17868	17778	16855	16880	18015	17885	17334	16890

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, September 11, 2023 2:16:40 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	697	697	697	694	696	693	696	696	695	697	695	694	695	695	695	696	694	694	695	697	693	696	694	695	697	695	696	695	693			
JMAH	U002	697	696	695	694	695	694	694	696	696	694	696	693	695	694	696	695	695	696	696	696	693	690	693	693	697	694	695	696	698	694	696	
JMHE	U001	699	701	700	699	699	701	699	701	701	699	700	700	702	701	694	698	700	695	700	698	730	800	859	902	914	922	922	919	924	920	913	
JMHE	U002	972	903	899	899	900	854	850	852	851	849	854	848	851	852	853	854	850	851	925	958	971	972	974	971	971	972	972	976	975	977	975	977
JMJG	U001	659	657	655	674	688	681	673	662	673	678	670	671	671	657	660	662	667	669	667	654	666	677	674	665	659	672	665	648	662	671	665	668
JMJG	U002	680	679	674	673	671	672	659	673	668	671	666	668	668	671	671	670	668	666	673	667	671	671	676	671	673	672	671	672	673	672	675	678
JMJG	U003	677	662	682	662	680	670	676	666	677	671	667	677	666	672	673	673	679	667	675	670	649	596	666	678	677	671	674	675	674	678	677	674
JMJG	U004	981	933	906	906	910	870	855	858	857	854	856	856	860	858	859	859	855	858	897	953	983	980	982	982	981	983	985	983	983	979	982	981
PKLG	U003	277	281	279	277	280	279	278	280	280	281	280	279	279	279	278	280	279	278	279	278	281	282	280	280	283	279	278	278	279	279	278	277
PKLG	U004	274	273	275	273	278	277	275	275	274	275	276	277	277	277	273	274	277	276	275	275	274	275	276	275	279	280	273	275	274	276	276	275
PKLG	U005	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
TBIN	U001	689	691	689	689	689	686	689	689	688	687	686	689	692	689	692	685	689	689	687	686	689	694	687	688	689	687	688	686	688	690	686	689
TBIN	U003	685	686	687	689	687	685	684	685	690	689	688	685	685	685	685	685	685	687	684	684	688	687	689	686	685	686	686	687	686	688	686	689
TBIN	U004	984	952	906	863	853	853	852	853	853	852	853	853	852	852	853	851	853	893	938	981	981	981	982	983	983	983	983	984	983	984	982	981
Total ST-Coal		9436	9276	9209	9157	9191	9080	9045	9051	9068	9062	9053	9055	9057	9046	9050	9051	9057	9052	9200	9323	9401	9362	9436	9426	9462	9541	9594	9622	9638	9657	9656	9660
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
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
CBPS	BLK2	220	221	221	218	219	222	220	221	221	218	220	219	221	219	216	219	220	222	339	360	365	358	360	359	352	343	289	354	360	338	349	357
EMPP	BLK1	664	611	531	451	423	465	411	490	412	408	411	411	444	412	407	420	410	703	706	709	719	711	711	709	683	672	682	710	713	693	698	709
EMPP	BLK2	663	616	536	449	422	461	411	493	415	409	411	410	443	412	407	421	410	707	706	709	719	712	711	709	683	672	682	708	713	692	703	709
EMPP	BLK3	664	614	537	449	422	462	412	490	414	408	411	410	442	411	407	423	411	711	705	709	719	712	711	709	683	671	681	709	713	692	703	709
GLGR	GT01	95	97	97	94	96	96	95	95	96	95	95	95	96	95	94	95	95	97	95	95	96	95	96	95	94	95	96	95	95	95	95	95
GLGR	ST1C	43	43	42	42	41	41	42	42	42	42	42	42	42	42	42	42	42	41	41	43	41	42	41	42	42	42	42	42	41	41	42	42
NPRI	BLK1	313	316	314	311	313	313	313	313	314	309	311	310	313	313	309	311	310	314	527	530	530	528	529	524	520	509	517	524	523	523	523	521
NPRI	BLK2	324	323	323	320	325	323	322	325	325	319	320	317	323	323	318	322	321	325	322	419	514	468	463	520	510	498	509	520	520	512	520	518
PCGP	PGRG	600	605	601	595	400	403	399	400	402	391	395	392	403	399	388	395	598	604	601	607	620	598	602	601	582	559	580	607	608	589	600	602
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	719	720	717	719	719	601	599	400	400	401	399	502	499	720	648	649	718	718	717	718	717	717	719	719	717	716	717	703	704	704	702	705
SPGP	BLK2	719	720	718	715	719	599	594	399	401	394	395	494	499	717	644	645	711	719	718	722	728	713	719	718	710	693	703	714	717	702	703	
TJGS	GT1A	0	0	0	0	0	0	0	0	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	130	132	131	133	131	134	130	133	131	131	132	131	129	133	134	132	133	131	131	131	136	214	220	216	218	210	128	125	125	216	219	214
TJGS	ST1C	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	80	80	101	117	117	117	116	79	77	77	216	253	254	254	255
Total CCGT-Gas		5233	5097	4847	4575	4309	4199	4027	3880	3652	3604	3621	3812	3933	4275	4094	4153	4458	5372	5687	5830	5987	5968	5998	6039	5914	5798	5704	5902	6052	6221	6335	
SRDG	GT05	0	0	0	0	0	0	0	0	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 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
BSIA	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	0	0	0	20	20	20	21	
BSIA	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	0	0	0	20	20	20	20	
BSIA	HY03	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	23	23	22	22	
CEND	HY01	8	8	8	8	8	8	8																									

Daily MW Generation on Thursday

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	96	96	96	96	96	96	96	96	96	96	96	96	96	96	58	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	62	59	96	96	96	97	97	96	96	97	95			
KNYR	HY03	98	98	98	98	98	98	98	99	99	98	98	98	98	97	95	51	98	99	99	100	100	100	100	100	98	93	93	98	100	96	96	97	100	100	98	100	95	61	54	100	99	96	96	96	95	98	96	95		
KNYR	HY04	98	98	98	98	98	98	98	98	95	95	96	98	98	98	98	59	59	98	92	99	99	99	99	99	59	55	55	99	99	58	58	98	99	99	99	99	57	64	62	98	98	59	60	59	57	84	59	60		
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	22	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	20	20	20	20	20	20	20	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	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	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	22	21	-1	-1	-1	-1	81	81	81	81	81	81	21	21	22	21	82	109	152	152	151	146	21	-1	-1		
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	21	21	22	21	84	112	147	150	149	18	22	0	0			
PGAU	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	0	0	0	0	0	21	20	20	22	21	21	21	21	24	21	22	108	146	22	22	17	20	20	21		
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	7	30	30	30	30	30	30	30			
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	30	30	30	30	30	30	30	30			
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	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	30	30	30	30				
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	14	14	13	15	15	15	15	15	15	15	16	23	23	23	23	22	22	22	22	22	22	22	15	15			
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	16	17	17	17	17	17	17	17	17	17	25	25	25	25	25	25	25	25	25	25	25	25	17	17		
SYPS	HY04	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5	81	82	81	82	-1	-1	-1	81	80	80	80	80	80	80	80	80	-1	-1	-1	80	80	80	80	80	81	-1	-1		
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	87	86	87	86	86	86	86	86	87	37	37	86	86	86	86	87	87	0	0	0		
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	0	0	0	0	0	0	0	0	0	0	81	81	81	82	33	32	81	81	81	81	81	81	81	82	32	32
TMGR	HY04	43	43	44	43	41	41	41	43	41	41	41	41	43	41	41	44	43	56	43	83	82	51	63	82	40	36	39	71	69	42	43	47	81	81	80	80	71	39	82	41	81	81	42	42	41	79	41	41	41	
UJLI	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	-1	-1	-1	-1	-1	86	90	92	96	98	133	89	-1	-1	-1	97	93	89	89	89	89	-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	-1	91	94	94	86	-1	-1	-1	-1	89	91	94	99	99	91	90	-1	-1	-1	100	186	91	92	90	-1	-1	-1	-1		
UPIA	HY01	4	5	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
UPIA	HY02	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Total Hydro		638	514	516	516	513	512	515	518	516	532	512	513	536	514	511	397	483	438	419	467	472	631	648	698	606	399	403	483	652	1052	1057	1108	1158	1240	1370	1198	893	783	721	1449	1739	1677	1559	1498	1258	1002	711	711		
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	13	11	12	15	16	22	24	24	27	22	21	17	17	23	18	17	6	6	1	1	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	0	0	2	6	8	12	19	17	15	22	16	17	20	26	15	16	14	15	11	8	5	5	5	4	2	1	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	0	0	3	9	12	11	16	12	10	14	20	25	16	21	23	12	17	18	14	12	10	6	6	2	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	0	0	1	3	9	16	15	30	31	39	37	36	37	36	43	23	24	16	15	12	10	5	7	5	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	0	2	2	4	10	12	11	18	20	22	25	29	27	35	30	36	22	16	28	29	18	13	6	3	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	0	0	1	4	7	9	17	14	13	14	25	22	31	21	24	18	14	10	10	13	14	5	5	2	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	0	1	6	16	11	17	15	19	24	21	22	41	35	27	29	35	28	42	24	31	16	14	7	3	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	0	2	7	5	9	10	28	23	20	14	21	24	20	27	23	22	28	22	17	24	24	24	24	3	1	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	0	0	3	5	12	19	23	28	29	28	29	28	34	24	25	33	28	26	21	17	8	4	4	2	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	0	0	9	8	29	39	63	36	28	40	56	64	44	66	65	52	49	55	39	50	31	18	14	6	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	0	1	4	5	16	30	18	19	18	27	26	29	23	26	26	27	33	28	22	25	14	9	9	4	1	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	0	1	3	3	16	14	12	14	11	14	22	20	15	21	27	18	16	19	15	22	13	10	7	2	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	0	1	10	16	23	34	38	89	73	64	67	66	50	52	59	100																				

Daily MW Generation on Thursday

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																								
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	17	91	154	283	409	493	639	653	692	740	793	739	769	784	737	709	658	597	565	385	281	255	92	18	6	0	0	0	0	0	0	0			
ESTL	ESTL	0	0	6	3	7	6	13	10	14	13	13	16	16	10	6	6	6	12	16	11	5	9	12	15	12	10	10	2	1	12	14	10	10	7	12	12	10	10	11	6	8	12	4	8	12	0	-2	0
KHTC	BLK1	-29	-30	-27	-24	-26	-23	-24	-21	-19	-19	-18	-21	-20	-20	-24	-24	-28	-30	-34	-37	-37	-39	-40	-43	-42	-44	-44	-48	-46	-48	-49	-49	-49	-50	-47	-44	-45	-40	-38	-35	-35	-36	-35	-31	-31	-29	-29	
PCUF	CUFG	19	21	21	19	20	20	20	19	21	20	20	22	19	20	19	21	21	20	20	20	18	19	19	18	17	18	18	19	19	19	20	20	20	19	20	20	21	19	20	20	20	21	20	21	21	21		
PCUF	CUFK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	18	18	16	16	15	15	16	15	17	15	16	15		
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total Co-Gen		-6	-5	4	2	5	7	13	12	20	18	19	19	22	13	10	5	7	9	10	1	-8	-6	-4	-2	-9	-11	-12	-20	-24	-11	-11	-15	-15	-18	-15	4	8	7	12	7	12	16	8	13	22	9	10	11
Total Gen		15301	14882	14576	14250	14018	13798	13600	13461	13256	13216	13205	13399	13548	13848	13665	13623	14096	15025	15599	16030	16345	16594	16731	16853	16713	16520	16428	16756	17102	17656	17746	17780	17844	17876	17764	17213	16841	16533	16886	17763	17997	17978	17847	17672	17309	17202	16847	16512
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	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-28	-29	-31	-28	0	0	0	0	0	0	0	0	0	-31	-31	-28	-31	-29	-31	-29	-31	-29	-29	-29	-30	-30	-28	-28	-30	-28	-30	
TIE-PLTG		-17	-22	-19	-10	-33	-22	-18	-12	-27	-6	-21	3	-7	-1	6	-7	-2	-17	-13	-22	-18	-41	-34	-41	18	28	-6	-44	-54	-3	-5	15	6	-14	17	12	17	0	35	19	12	-1	-9	-16	4	-1	-15	-14
Interconnection		-45	-51	-49	-40	-63	-53	-47	-41	-56	-35	-49	-25	-37	-29	-23	-36	-30	-46	-44	-50	-18	-41	-34	-41	18	28	-6	-44	-54	-34	-36	-14	-24	-43	-14	-17	-14	-29	6	-10	-18	-30	-38	-44	-25	-31	-43	-44
System Total		15346	14933	14625	14290	14081	13851	13647	13502	13312	13251	13254	13424	13585	13877	13688	13659	14126	15071	15643	16080	16363	16635	16765	16894	16695	16492	16434	16800	17156	17690	17782	17794	17868	17919	17778	17230	16855	16562	16880	17773	18015	18008	17885	17716	17334	17233	16890	16556
SRev ST-Coal		186	346	405	426	383	412	428	424	407	413	420	415	420	428	429	428	414	423	406	299	221	235	186	196	360	281	228	200	204	185	186	182	165	180	184	200	223	212	219	329	338	185	211	209	209	233	217	200
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	3	1	0	0	0	0	0
SRev CCGT-Gas		989	1125	1375	1647	1913	2023	2195	2342	2570	2618	2601	2410	2289	1947	2128	2069	1764	850	535	412	255	274	244	183	308	424	518	320	524	375	241	207	169	169	580	838	860	925	434	158	184	280	261	257	389	200	284	637
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 Co-Gen		2	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	890	552	552	552	552	978	978	978	802	277	277	277	277	126	126	126	588	588	588	126	126	126	126	126	313	500	739	739	
Hydro		209	133	131	131	134	135	132	136	138	273	142	141	269	140	143	257	171	116	135	87	83	349	332	332	424	205	201	121	128	618	613	562	512	581	601	773	616	726	788	572	357	419	537	598	651	633	535	535
S.Reserve Total		2364	2582	2889	3182	3408	3548	3732	3880	4093	4131	4141	3944	3805	3493	3678	3732	3327	2366	2053	1775	1449	1410	1314	1263	1645	1887	1925	1619	1659	1455	1316	1228	1121	1056	1492	1937	2287	2452	2028	1185	1005	1013	1137	1189	1562	1566	1775	2111