

Daily System Generation Summary on Thursday

Thursday, April 8, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,317 MW
Distillate	0 MW
Total TNB	2,317 MW
Total IPP	17,364 MW
Total Co-Gen	0 MW
Total System	23,660 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,994	7.17 %
Gas	57,010	15.14 %
Total TNB	84,004	22.30 %
ST-Coal	234,271	62.20 %
LSS	3,194	0.85 %
Gas	52,375	13.91 %
Total IPP	289,840	76.95 %
Co-Gen	190	0.05 %
Total Co-Gen	190	0.05 %
Total Generation	374,034	99.30 %
PLTG	-131	-0.03 %
HVDC	-2,489	-0.66 %
Interconnection	-2,620	-0.70 %
Net Energy	376,654	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,556 MW
TNB Generation	4,808 MW
IPP Generation	12,819 MW
Spinning Reserve	920 MW
Maximum Demand	17,951 MW
Net Energy	376,654 MWH
Load Factor	87.43 %

Fuel Cost

Total Cost:	60,959,994.96 RM
Cost per Unit	16.29 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	985
Hydro	560
Syncon	57
Thermal	137
Total	1,739

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	169
Total TNB	215
CBPS	43
NPRI	128
PGLA	47
PLPS	36
Total IPP	254
Total Gas	470
Total Gas Required	470

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	15074	14358	13840	13465	13106	12985	13285	13305	13560	15366	16136	16718	16782	16539	17315	17706	17813	17522	16386	16317	17464	17350	16891	16473

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:44:58 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	703	701	704	701	691	706	701	598	549	495	502	501	602	692	692	650	658	687	694	691	701	702	702	702	701	699	707	702	702	702	702	704	701	701	701	701	700	703	701	703	702	699	703	701	703	701	709	705	
JMAH	U002	705	707	705	706	702	703	706	603	553	502	503	504	607	691	697	654	662	696	693	698	703	707	705	512	623	707	703	706	706	706	703	705	681	700	705	714	702	708	705	707	706	708	706	708	706	705	708	689	
JMHE	U001	984	981	980	879	877	877	880	885	879	877	878	879	879	881	879	877	874	879	981	981	978	978	978	978	977	979	976	980	982	984	977	983	983	979	975	978	975	979	981	974	979	978	980	978	974	980	1019	980	
JMHE	U002	983	981	980	881	880	877	879	883	878	878	880	879	881	881	876	874	879	982	980	980	977	979	978	975	980	976	980	981	982	980	981	981	981	975	978	979	979	980	977	979	981	978	980	975	979	1026	981		
JMJG	U001	672	684	677	676	663	668	674	667	671	670	677	668	672	673	668	670	668	670	676	670	677	671	679	690	677	685	682	682	680	686	681	688	685	680	685	679	682	680	676	677	681	673	672	666	676	686	679	682	
JMJG	U002	671	677	676	673	667	681	671	673	680	668	675	671	673	671	672	673	671	673	673	671	683	683	682	683	683	683	679	682	682	682	682	683	679	687	679	686	682	684	684	687	682	685	685	676	689	677	681		
JMJG	U003	662	672	666	673	669	674	671	673	666	672	677	663	670	669	670	667	670	671	669	669	671	679	677	682	676	683	673	683	677	683	685	672	685	689	690	667	679	682	675	685	672	666	683	688	682	680	679	678	
JMJG	U004	897	897	898	882	883	883	883	882	882	884	883	882	883	883	882	884	881	883	905	901	895	896	896	895	896	892	882	844	843	845	845	846	843	843	845	843	845	844	843	843	842	844	843	843	869	897	898	898	
JMJG	U005	892	889	892	884	882	883	881	883	880	881	882	883	880	883	883	880	880	879	895	890	895	891	891	891	895	891	890	891	894	892	890	892	888	888	888	882	887	887	891	890	889	891	889	894	892	892	895	892	
PKLG	U003	276	276	275	275	278	277	277	225	171	156	157	157	158	156	156	156	175	265	276	276	261	268	283	282	280	280	279	279	278	280	279	278	278	279	276	278	278	278	277	279	277	276	276	272	274	278	277	278	
PKLG	U004	276	276	274	275	275	281	277	234	190	158	156	156	158	158	156	151	176	255	276	277	284	282	278	277	276	277	280	274	276	278	275	276	275	275	268	275	276	277	277	275	276	273	276	276	278	277	275	269	
PKLG	U006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	94	96	91	94	135	
TBIN	U001	0	0	0	0	0	0	36	186	258	294	311	399	489	549	674	700	694	690	689	689	698	700	698	699	698	703	699	701	699	695	698	700	701	700	701	699	698	698	701	696	701	696	701	695	696	698	700	704	700
TBIN	U002	703	700	702	700	701	699	700	702	703	702	701	703	701	705	700	687	695	692	690	694	697	696	700	700	699	702	701	699	699	701	697	698	701	697	698	698	696	700	697	703	697	701	703	700	701	702	706	701	
TBIN	U004	984	983	983	958	883	883	884	884	885	884	883	883	882	884	884	885	883	961	984	983	984	984	980	984	983	982	982	983	983	983	983	984	983	984	982	983	982	983	981	983	984	982	984	982	984	984	983		
Total ST-Coal		9408	9424	9412	9163	9051	9092	9120	8978	8845	8719	8764	8830	9133	9374	9493	9408	9465	9700	10060	10073	10094	10114	10133	9948	10040	10144	10113	10082	10082	10099	10077	10089	10072	10075	10076	10064	10065	10083	10064	10081	10067	10055	10152	10163	10182	10241	10330	10252	
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		
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		
CBPS	BLK2	219	223	224	220	223	212	211	222	215	215	213	215	225	225	209	223	217	224	226	223	225	224	222	225	217	223	229	223	343	349	342	342	344	343	330	345	212	226	227	346	346	346	338	338	329	294	305	303	
EMPP	BLK1	588	613	632	598	607	617	627	625	627	629	624	627	286	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	399	732	743	749	751	754	751	0	0		
GLGR	GT01	67	69	67	68	68	67	68	68	67	68	67	68	69	67	67	67	67	68	68	68	68	68	67	66	68	67	67	69	68	65	68	98	97	97	96	67	67	69	66	67	68	68	67	68	69	67			
GLGR	GT02	68	67	68	68	67	68	68	68	68	68	68	68	68	68	67	68	67	68	68	68	67	68	67	67	67	67	67	67	67	67	67	67	96	95	67	67	67	67	67	67	67	67	67	67	69	67			
GLGR	ST1C	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72			
NPRI	BLK1	446	329	329	330	329	317	317	328	315	315	312	317	331	331	329	331	322	332	329	331	330	326	330	328	319	331	332	330	480	484	475	481	481	518	499	508	499	517	476	475	477	478	474	473	452	467	479	476	
NPRI	BLK2	335	345	337	335	335	322	322	337	321	320	316	322	356	336	318	329	382	375	340	347	339	334	336	334	325	334	336	418	482	487	478	480	479	518	500	517	499	403	452	475	478	478	461	473	430	433	449	478	
PCGP	PGRG	262	261	261	260	261	261	260	262	261	262	261	262	264	262	263	261	260	261	260	261	261	401	503	599	587	260	261	602	606	613	599	607	604	605	578	602	580	600	602	599	604	601	598	598	571	588	602	603	
PGLA	GT11	159	158	158	159	159	154	154	158	152	152	152	153	158	157	151	156	155	159	158	158	158	156	157	156	153	157	158	157	159	160	200	208	209	209	202	158	151	158	157	158	158	158	156	149	154	158	157		
PGLA	ST10	89	89	89	89	89	88	88	88	88	88	87	88	89	89	87	88	89	90	90	90	90	89	91	91	91	91	91	91	91	106	109	109	109	108	90	88	89	89	91	89	89	89	90	88	88	86	89		
PLPS	GT11	127	128	129	129	128	123	125	128	125	125	124	124	129	128	124	127	126	129	128	128	128	129	129	129	129	129	129	132	129	138	139	140	133	128	124	128	129	130	129	129	129	129	129	122	125	130	130		
PLPS	ST18	58	58	58	57	57	56	58	56	56	57	57	56	58	58	57	57	58	58	59	59	58	58	58	58	57	58	58	58	59	58	58	59	59	59	59	58	58	58	58	58	58	59	59	58	58	57	58		
SPGP	BLK1	560	361	362	362	362	359	360	362	361	361	362	361	361	360	360	362	361	361	361	601	648	717	719	719	717	719	705	718	718	712	713	715	719	719	719	719	718	717	719	717	718	719	719	719	720	717</			

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																								
HTRG	HY01	125	124	125	125	125	62	-1	-1	-1	-1	-1	-1	64	-1	-1	-1	63	125	125	124	125	125	124	125	125	125	125	124	125	124	124	125	124	63	63	63	63	-1	-1									
HTRG	HY02	122	123	122	123	122	62	0	0	0	0	0	0	0	0	0	0	125	123	123	124	124	124	122	124	124	123	123	124	123	124	123	124	123	124	125	63	63	63	62	63								
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36										
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37										
KNRG	HY03	37	37	37	37	38	37	37	37	37	37	38	38	38	37	38	38	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36										
KNYR	HY01	99	97	97	99	99	97	56	0	0	0	0	0	0	0	0	0	101	101	98	99	99	100	100	101	99	99	101	101	101	101	101	101	101	100	98	99	95	49	61	100								
KNYR	HY02	105	103	103	105	105	103	56	-1	-1	-1	-1	-1	103	56	55	106	106	103	105	105	105	105	106	105	104	106	106	106	106	106	101	96	100	96	100	99	101	99	99	98	98	94	51	62	99			
KNYR	HY03	99	0	0	0	0	0	-1	-1	-1	-1	-1	-1	107	102	101	106	106	103	105	105	105	105	106	104	104	106	106	106	106	102	101	96	100	96	100	99	102	99	99	98	98	94	51	62	99			
KNYR	HY04	60	69	57	62	79	57	56	71	56	56	56	55	99	89	56	83	91	100	98	98	98	99	91	98	102	102	102	102	88	101	87	100	97	100	99	100	95	96	85	51	64	75						
LPIA	HY01	17	17	17	17	17	17	17	20	20	20	22	22	22	22	23	24	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	22	20	20	20							
LPIA	HY02	16	18	18	16	12	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	12	12	12	12	12	12	11	10	10	10	10	10	10	9	9	10				
MNOR	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	1	1	1	1	1	1	1	1	1	1	1	1	1						
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	20	20	20	20	20	20	80	20	20	20	20	20	21	21	21	21	21	21	21	24	24	21			
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	24	23	21			
PGAU	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	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
SYPS	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
TMGR	HY01	61	62	33	33	1	0	0	0	0	0	0	0	0	0	0	0	0	86	86	86	86	86	85	86	86	85	86	86	86	86	86	86	86	83	86	28	32	74	86	86	86	86	82	85	86	86		
TMGR	HY02	47	62	45	52	75	43	43	67	43	43	42	44	91	83	42	84	89	91	86	90	90	63	77	84	43	90	90	58	90	90	73	90	51	90	42	46	42	58	68	60	47	61	45	45	43	47	49	67
TMGR	HY03	60	60	9	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	84	85	85	85	83	85	84	85	84	84	84	84	85	85	85	81	85	28	32	66	85	85	85	85	80	83	84	85	
TMGR	HY04	61	61	33	33	-1	-1	-1	-1	-1	-1	-1	-1	86	82	-1	-1	-1	86	86	86	86	86	86	85	86	86	86	86	86	86	86	86	82	86	29	33	57	86	86	86	86	86	81	84	85	86		
UJLI	HY01	0	92	91	91	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	95	95	144	147	143	138	148	148	146	146	150	144	148	146	135	146	115	146	148	148	146	147	93	91	-1	-1	-1	-1			
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
Total Hydro		1014	1030	892	898	774	589	371	299	262	261	261	244	334	681	462	449	620	1021	1326	1342	1341	1448	1465	1663	1572	1480	1483	1452	1548	1647	1717	1746	1698	1795	1636	1441	1201	1287	1395	1516	1538	1554	1415	1352	1219	1037	1021	1096
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		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	12	16	23	16	18	24	15	27	34	27	20	24	23	16	7	5	6	4	2	1	0	0	0	0	0	0	0	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	12	16	21	20	30	19	30	29	30	30	21	30	23	25	11	19	14	8	4	2	1	0	0	0	0	0	0	0
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	11	14	17	16	20	21	30	30	30	30	20	30	30	18	28	24	17	15	9	5	1	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	0	3	5	15	20	33	29	38	41	38	23	49	46	27	28	29	12	8	8	5	2	1	1	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	0	0	1	2	5	9	17	17	18	37	37	37	37	37	37	37	10	9	2	0	1	0	2	2	0	0	0	0	0	0	0	0	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	10	12	14	15	27	30	15	13	28	20	25	22	11	7	6	3	3	3	2	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	0	0	3	8	16	16	23	21	48	41	33	38	50	34	50	50	40	45	37	33	27	20	13	6	2	0	0	0					

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	
PCUF	CUFG	5	4	3	5	4	3	3	4	6	4	5	4	4	4	5	4	4	4	5	3	5	4	5	4	4	4	6	5	5	5	5	4	4	5	6	4	4	6	6	5	5	4	5	4	6			
PCUF	CUFK	4	5	4	4	2	3	4	4	3	3	4	4	3	2	3	2	3	2	5	4	2	3	5	2	3	3	2	4	2	4	4	4	4	4	2	3	4	5	2	3	3	5	3	3	4	3	4	4
Total Co-Gen		9	9	7	9	6	6	7	8	9	7	9	8	7	7	8	6	7	6	10	7	7	7	10	6	7	7	8	8	6	10	9	9	9	9	6	7	9	11	6	7	9	11	8	8	8	8	8	10
Total Gen		15134	14778	14393	14108	13885	13688	13514	13353	13124	12999	13025	13105	13231	13514	13341	13304	13603	14310	15000	15521	15812	16179	16408	16522	16480	16218	16230	16601	16988	17405	17459	17518	17531	17636	17320	16835	16149	16207	16358	17208	17471	17489	17373	17237	17007	16938	16268	16216
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	31	31	30	30	29	29	31	31	31	31	29	30	30	30	-293	-291	-291	-292	-291	-289	-291	-292	-291	-291	-289	-291	-293	-290	-291	-289	-289	-291	-289	-291	29	29	30	30	29	29	30	30	30	30	30	
TIE-PLTG		33	-16	7	-4	19	42	24	-33	-10	-1	13	-11	-80	12	10	7	16	-33	-72	-44	-28	-32	-17	-38	-7	-18	-15	-13	-33	-19	46	37	10	-23	92	80	57	-92	15	-12	-18	-19	-2	14	89	65	-232	-28
Interconnection		63	14	38	27	49	72	53	-3	21	29	43	20	-50	41	40	37	46	-325	-363	-335	-320	-323	-306	-328	-299	-309	-306	-302	-324	-311	-244	-254	-279	-312	-199	-209	-234	-63	44	18	11	11	27	43	119	94	-202	2
System Total		15074	14767	14358	14084	13840	13620	13465	13360	13106	12973	12985	13088	13285	13477	13305	13271	13560	14638	15366	15859	16136	16506	16718	16854	16782	16530	16539	16906	17315	17719	17706	17775	17813	17951	17522	17047	16386	16273	16317	17194	17464	17482	17350	17197	16891	16847	16473	16217
SRev ST-Coal		131	115	127	336	428	384	398	576	572	589	650	587	577	452	481	555	532	467	166	153	135	119	100	285	193	89	128	159	109	92	114	102	119	116	115	127	126	108	127	110	124	136	139	128	159	100	56	124
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		1717	2105	2338	2382	2366	2419	2404	2352	2412	2408	2429	2390	2314	2333	2407	2347	2312	2289	2327	1896	1687	1495	1385	1303	1352	1640	1639	1216	873	576	498	458	365	286	398	630	1027	1041	1027	579	660	659	736	821	940	885	876	927
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 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 Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		302	302	302	389	663	663	890	991	991	991	991	840	840	425	702	789	789	576	302	302	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	187	313	313
Hydro		172	148	382	287	132	229	193	64	105	106	106	228	137	205	147	74	5	70	125	109	109	604	587	639	731	573	570	602	607	657	589	568	616	519	673	618	857	770	662	640	618	602	741	805	750	929	819	645
S.Reserve Total		2322	2670	3149	3394	3589	3695	3885	3983	4080	4094	4176	4045	3868	3415	3737	3765	3638	3402	2920	2460	2233	2218	2072	2227	2276	2302	2337	1977	1589	1325	1201	1128	1100	921	1186	1375	2010	1919	1816	1329	1402	1397	1616	1754	2036	2101	2064	2009