

Daily System Generation Summary on Friday

Friday, December 21, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,426 MW
Distillate	0 MW
Total TNB	2,426 MW
Total IPP	16,351 MW
Total Co-Gen	65 MW
Total System	22,216 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,459	6.22 %
Gas	34,957	9.69 %
Total TNB	57,416	15.91 %
ST-Coal	222,956	61.78 %
LSS	705	0.20 %
Gas	78,718	21.81 %
Total IPP	302,379	83.79 %
Co-Gen	1,965	0.54 %
Total Co-Gen	1,965	0.54 %
Total Generation	361,760	100.24 %
PLTG	130	0.04 %
HVDC	733	0.20 %
Interconnection	863	0.24 %
Net Energy	360,897	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,345 MW
TNB Generation	3,929 MW
IPP Generation	13,162 MW
Spinning Reserve	1,173 MW
Maximum Demand	17,159 MW
Net Energy	360,897 MWH
Load Factor	87.64 %

Fuel Cost

Total Cost:	63,584,563.43 RM
Cost per Unit	19.56 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	600
Hydro	405
Syncon	325
Thermal	239
Total	1,569

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	5
TJGS	197
Total TNB	253
CBPS	52
KLPP	86
NPRI	146
PGLA	84
PLPS	48
PTEK	5
SGRI	37
SKSP	33
Total IPP	490
Total Gas	743
Total Gas Required	743

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	14861	14184	13793	13267	12958	12772	12864	12940	13391	14927	15801	16403	16466	16031	16270	16952	17159	16704	15657	15678	16176	15873	15327	15065

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 27, 2018 9:01:03 AM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

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																												
JMAH	U001	692	695	694	692	692	692	692	693	692	692	693	694	692	692	692	693	692	692	693	692	691	692	693	697	693	693	694	693																								
JMAH	U002	695	694	694	695	693	692	692	693	695	694	694	696	689	695	694	694	693	619	604	603	603	601	622	634	632	631	634	657	699	692	694	695	693	694	696	694	693	696	693	695	693	696	694	694	693	695	692					
JMHE	U001	510	513	511	509	513	510	510	511	512	510	511	511	510	510	512	509	510	654	764	761	761	759	760	760	759	755	761	749	527	538	537	535	533	535	542	540	537	506	512	511	511	511	511	508	510	512	511	512				
JMJG	U001	668	671	673	671	672	673	671	671	660	673	664	672	670	672	671	674	668	667	668	670	672	672	671	671	672	671	673	673	672	670	673	673	675	673	671	671	671	674	674	669	671	667	677	671	671	671	672	671	668	670	670	669
JMJG	U002	671	672	668	667	671	671	671	668	660	668	667	669	671	672	673	667	673	672	672	671	671	671	673	671	676	672	668	672	673	673	673	675	673	671	671	671	671	671	668	672	670	672	671	668	672	672	667	670	666			
JMJG	U003	667	662	664	662	666	662	661	664	662	664	665	662	662	662	663	662	662	662	665	665	662	660	660	665	662	663	665	662	661	666	663	664	662	662	660	665	665	665	665	662	664	660	661	662	665	664	664	661				
JMJG	U004	981	981	981	972	887	804	782	782	785	785	783	785	782	782	782	783	782	854	939	977	979	981	980	980	980	981	980	977	979	979	977	978	980	980	977	977	979	982	981	978	978	979	979	977	979	982	980	978	981			
JMJG	U005	979	983	982	975	831	780	779	783	781	779	781	779	780	780	780	780	779	864	973	982	987	985	983	983	981	983	981	981	983	981	980	983	974	981	979	980	981	983	977	977	978	983	977	980	978	985	982	981				
PKLG	U003	257	260	258	258	255	259	261	246	255	255	259	258	258	257	257	257	256	256	256	258	257	256	259	257	257	256	257	257	256	255	256	258	257	257	258	257	257	258	257	257	254	255	256	257	256	255	263	256				
PKLG	U004	280	276	209	206	208	234	272	278	278	278	278	279	280	281	278	281	280	281	280	280	281	280	280	280	280	280	280	281	282	280	281	280	282	280	281	280	282	282	280	281	281	281	281	282	279	283	281	282	284	283		
TBIN	U001	689	690	689	692	689	690	689	690	691	691	690	688	689	692	689	689	687	688	690	687	689	690	687	689	690	687	688	689	688	688	688	689	689	689	689	688	688	687	691	689	689	689	689	688	688	694	689	687				
TBIN	U002	688	689	687	688	690	691	690	687	690	689	690	691	689	690	689	689	693	690	688	692	688	689	690	687	689	691	690	690	692	687	686	689	689	689	690	689	690	692	688	687	690	689	688	690	689	690	691	690				
TBIN	U003	691	689	691	690	689	690	690	690	691	690	691	690	691	692	692	689	689	691	690	690	690	691	689	689	690	693	691	690	689	691	689	687	692	691	690	691	692	690	693	691	689	692	689	690	690	690	691	690				
TBIN	U004	950	950	950	950	950	803	803	803	803	803	803	803	803	803	803	803	803	803	950	950	950	951	953	952	952	952	953	952	952	952	952	952	952	952	952	952	953	955	952	951	953	953	952	952	953	951	953	952	950	953		
Total ST-Coal		9418	9425	9351	9327	9106	8851	8863	8859	8854	8872	8870	8876	8867	8881	8874	8869	8870	9167	9546	9579	9585	9311	9372	9531	9560	9551	9548	9539	9397	9453	9443	9447	9442	9446	9456	9444	9450	9418	9436	9411	9415	9419	9411	9420	9416	9429	9434	9411				
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			
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	376	372	373	373	375	374	367	367	367	368	366	375	375	371	379	372	379	375	378	378	375	377	375	372	373	369	371	373	370	370	368	371	370	367	372	300	220	225	226	228	227	224	226	224	228	229	231	226				
GLGR	GT01	103	104	104	102	67	68	68	68	68	68	69	69	68	68	69	67	70	68	105	105	105	104	103	103	103	104	104	103	104	104	103	102	102	105	68	67	68	67	68	67	68	67	67	67	67	68	70					
GLGR	GT02	105	106	105	105	69	69	68	68	67	68	68	69	68	69	68	69	68	69	106	105	104	103	104	104	104	104	104	104	104	104	104	104	104	104	104	67	67	68	68	69	68	68	68	68	68	68	68	68	68			
GLGR	ST1C	93	92	93	92	75	69	69	69	70	70	70	70	70	70	70	70	69	90	92	92	93	93	92	93	93	93	93	93	93	93	93	93	93	93	77	71	70	70	71	70	71	71	71	70	71	70	71	70	70			
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	142	145	145	146	146	147	148	148	147	148	147	147	147	133	116	112	119	131	133	111	113	114	114	113	112	76	121	117	117	116				
KLPP	GT14	158	158	159	159	158	158	131	77	73	77	77	77	77	79	77	82	141	152	147	145	142	142	141	141	141	146	146	141	146	146	146	125	124	131	140	144	125	125	76	0	0	0	0	0	0	0	0	0	0			
KLPP	GT15	146	146	147	147	148	147	124	69	68	70	68	70	70	72	72	72	75	141	148	149	150	150	152	152	151	149	148	149	150	150	150	137	119	119	127	134	139	119	118	115	116	118	119	119	71	5	0	0	0			
KLPP	ST17	135	135	137	137	136	136	127	86	82	82	84	84	86	86	84	86	90	138	204	204	205	205	204	204	205	205	203	203	204	201	204	204	185	188	188	196	201	185	188	172	149	121	124	117	109	54	53	53				
NPRI	BLK1	525	328	408	325	476	451	430	411	401	427	405	332	353	394	388	365	511	500	481	501	505	498	501	502	472	417	485	505	490	514	512	491	505	518	519	520	519	484	484	514	515	512	514	506	507	511	512	399				
NPRI	BLK2	527	464	500	434	472	449	396	394	376	397	382	329	351	395	388	369	514	506	488	502	509	499	507	502	476	415	485	506	491	516	516	484	510	521	516	525	525	488	487	516	517	517	518	509	511	515	514	413				
PCGP	PGRG	303	304	301	301	302	305	366	364	363	365	361	358	362	359	364	366	367	503	503	502	502	501	502	501	503	503	503	501	500	501	499	502	498	502	503	502	503	502	504	501	502	503	502	504	501	499						
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	146	154	228	228	226	225	227	227	223	224	222	227	224	146	0	0	0	96	106	76	219	172	172	172	170	173	171	171	171	171	172	172				
PGLA	GT12	172	232	232	231	232	229	232	165	165	169	166	173	172	174	177	176	177	180	233	233	232	230	228	229	227	222	226	225	229	227	224	232	230	160	157	158	188	223	174	173	173	173	174	174	173	174	174	174				
PGLA	ST10	94	115	116	116	117	115	113	96	94	94	94	94	95	95	95	89	89	199	253	251	253	251	251	251	253	253	250	25																								

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		
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	121	111	0	0	0	0	0	0	0	0	0	0	0	0	0			
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	121	120	123	112	15	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	85	318	423	380	361	85	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	0	0	20	20	20	20	20	20	20	20	19	19	19	19	20	20	0	0	0	0		
BSIA	HY02	13	13	13	13	13	13	12	13	13	12	13	13	13	13	13	12	13	13	13	13	13	12	12	13	12	12	13	13	12	22	22	22	22	22	22	22	22	22	22	22	22	22	15	14	14	14			
BSIA	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	12	23	23	23	23	23	23	23	23	23	23	23	23	0	0	0	0				
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7				
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7				
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	125	125	125	125	57	63	124	124	125	125	125	125	125	125	125	125	124	125	125	125	125	125	125	61	61	60	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	124	125	125	124	126	124	123	124	124	124	125	124	124	63	-1	-1	-1	-1	124	125	124	124	63	63	63	63	
KNRG	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	25	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
KNRG	HY02	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	27	27	27	27	27	27	27	27	26	27	27	27	26	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	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	24	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNYR	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	58	57	97	98	99	99	0	0	98	98	98	98	98	98	98	98	98	98		
KNYR	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	98	97	97	98	0	0	96	99	99	98	99	99	98	99	98	98	98	98		
KNYR	HY03	-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	98	98	98	98	-1	-1	-1	97	98	83	85	78	66	76	78	65				
KNYR	HY04	61	58	60	59	58	59	57	57	54	54	60	59	59	59	59	61	60	59	61	59	58	60	61	59	58	60	60	61	61	98	98	98	98	81	92	82	57	56	79	60	58	99	100	99	100	98	99		
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	27	21	18	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0	15	15	15	15	15	15	15	15	15	
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	20	21	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	3	3	4	4	6	6	6	6	6	6	6	6	7	7	9	9	9	9	9	9	9	9	9	9	9	9	
PGAU	HY01	22	22	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	22	112	112	112	111	21	21	112	112	112	112	112	112	109	139	80	79	76	77	152	152	80	81	81	81	80	81	83
PGAU	HY02	79	79	79	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	83	82	82	83	83	83	147	147	147	147	83	148	110	111	109	110	110	112	111	112	111	112	111	112
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	83	82	83	82	82	83	82	82	83	82	149	148	148	150	80	80	78	77	147	147	148	81	0	0	0	0	
PGAU	HY04	20	20	20	21	20	20	20	21	21	21	21	21	21	21	21	20	21	22	22	23	23	113	112	112	112	112	22	22	112	112	113	113	113	148	148	148	112	112	111	111	112	111	111	111	21	21	21	21	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
TMGR	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	-1	34	34	33	33	34	83	0	0	0	81	81	81	82	82	82	82	82	82	
TMGR	HY02	35	36	36	34	36	34	34	33	31	34	32	35	35	34	36	36	36	36	36	36	35	35	36	36	36	33	35	36	35	36	35	87	87	85	-1	-1	-1	-1	85	87	87	87	87	87	87	87	87	87	
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	35	35	33	33	0	0	0	33	33	33	0	0	0	0	0	0	0	0		
TMGR	HY04	-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	81	81	79	34	81	81	29	28	81	81	81	81	81	81	81	81	81	81		
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	93	89	91	83	91	93	90	146	182	181	178	139	-1	-1	-1	-1	83	92	91	91	-1	-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	-1	93	95	92	93	86	94	94	93	150	150	149	146	85	151	93	-1</												

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			
Total Co-Gen		63	80	80	79	87	86	84	86	87	85	85	83	88	83	85	85	85	85	85	85	83	83	83	81	78	73	76	73	71	72	73	84	81	83	84	82	79	83	85	86	84	85	84	83	83	85	85		
Total Gen		14867	14530	14176	13955	13781	13446	13334	13050	12988	12910	12829	12778	12867	12931	12961	12995	13405	14265	15015	15413	15807	16120	16437	16542	16471	16160	16020	16028	16322	16686	16952	17064	17172	16976	16674	16171	15686	15434	15692	16265	16166	15970	15886	15697	15412	15260	15102	14684	
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	0	
TIE-HVDC		31	31	31	31	31	31	31	31	30	30	31	31	30	30	32	32	30	30	30	30	31	31	30	30	30	31	31	30	30	30	30	31	31	31	31	31	30	30	30	30	31	29	29	31	31	29	31	31	
TIE-PLTG		-10	11	-23	5	-27	29	52	21	16	42	41	-6	-11	-20	5	30	-1	62	73	-24	-8	-10	20	-25	-9	45	-26	-4	38	-20	-15	-23	-2	-14	-46	6	14	-8	-1	-51	-26	-18	-1	40	69	17	22	34	
Interconnection		21	42	8	35	4	60	83	52	46	73	72	25	19	10	37	62	29	92	103	6	22	21	50	5	21	75	5	27	68	11	16	7	29	17	-14	37	44	23	29	-21	5	11	28	72	101	46	53	65	
System Total		14861	14503	14184	13936	13793	13402	13267	13014	12958	12853	12772	12768	12864	12937	12940	12949	13391	14188	14927	15422	15801	16115	16403	16553	16466	16101	16031	16017	16270	16691	16952	17073	17159	16975	16704	16149	15657	15426	15678	16301	16176	15974	15873	15641	15327	15230	15065	14634	
SRev ST-Coal		209	202	194	218	348	454	419	427	433	413	415	406	417	404	410	414	412	235	215	267	260	322	328	333	312	321	324	333	256	200	210	206	211	207	197	209	203	214	196	221	217	213	221	212	166	153	148	171	
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	24	26	44	87	106	150	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		347	579	368	562	420	498	683	964	1018	1115	1191	1256	1162	1106	1073	1142	710	448	769	205	202	315	210	254	339	631	493	515	290	216	395	583	584	657	453	642	861	999	1198	1190	1033	1138	1071	1119	1137	1247	1200	1583	
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	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	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		2	-15	-15	-14	-22	-21	-19	-21	-22	-20	-20	-18	-23	-18	-20	-20	-20	-20	-20	-20	-18	-18	-18	-16	-13	-8	-11	-8	-6	-7	-8	-19	-16	-18	-19	-17	-14	-18	-20	-21	-19	-20	-19	-18	-18	-18	-20	-20	
Syncon		811	811	811	811	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	962	962	185	185	185	185	185	185	185	185	270	185	0	0	0	273	500	687	687	313	187	187	187	374	374	374	374	374	374	374
Hydro		459	461	458	460	261	262	264	265	269	266	270	260	260	261	259	261	258	260	263	389	457	621	524	538	534	558	784	767	528	414	337	298	307	404	397	276	268	348	463	283	316	412	283	281	402	457	455	468	
S.Reserve Total		1828	2038	1816	2037	2120	2306	2460	2748	2811	2887	2969	3017	2929	2866	2835	2910	2473	2036	2340	1803	1863	1425	1229	1294	1357	1687	1775	1792	1253	1117	1143	1112	1173	1356	1451	1610	2005	2230	2150	1860	1734	1930	1930	1968	2061	2213	2157	2576	