

Daily System Generation Summary on Saturday

Saturday, August 31, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,329 MW
Distillate	0 MW
Total TNB	2,329 MW
Total IPP	15,988 MW
Total Co-Gen	0 MW
Total System	20,804 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,194	2.00 %
Gas	33,926	10.96 %
Total TNB	40,120	12.96 %
ST-Coal	179,196	57.87 %
ST-Gas	105	0.03 %
LSS	2,242	0.72 %
Gas	85,793	27.71 %
Total IPP	267,336	86.33 %
Co-Gen	986	0.32 %
Total Co-Gen	986	0.32 %
Total Generation	308,442	99.61 %
PLTG	-508	-0.16 %
EGAT	-1	0.00 %
HVDC	-699	-0.23 %
Interconnection	-1,208	-0.39 %
Net Energy	309,650	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,448 MW
TNB Generation	2,096 MW
IPP Generation	12,383 MW
Spinning Reserve	1,929 MW
Maximum Demand	14,573 MW
Net Energy	309,650 MWH
Load Factor	88.53 %

Fuel Cost

Total Cost:	56,776,561.51 RM
Cost per Unit	18.39 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,014
Hydro	191
Syncon	1,024
Thermal	210
Total	2,439

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	46
PAKA	1
PGPS	2
TJGS	191
Total TNB	240
CBPS	51
KLPP	65
NPRI	152
PGLA	97
PLPS	49
SGB3	37
SGRI	41
SKSP	4
YPKA	22
PKLG	1
Total IPP	520
Total Gas	760
Total Gas Required	760

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	14558	13963	13415	13034	12537	12243	12130	11672	10879	11288	11928	12378	12335	12393	12678	12896	12997	13048	12872	13221	14573	14425	14147	14112

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 24, 2019 10:27:19 AM

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

Daily MW Generation on Saturday

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	695	691	692	693	694	692	689	693	693	693	692	694	692	693	692	694	692	693	691	693	692	691	694	691
JMAH	U002	693	694	693	694	694	693	696	695	693	694	696	693	694	693	647	604	606	689	691	694	694	695	693	695
JMHE	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	80	137	437	529
JMHE	U002	768	771	768	770	773	770	768	770	766	770	771	772	771	769	767	774	771	771	768	770	768	769	773	771
JMJG	U001	677	672	673	673	667	673	670	672	668	671	669	671	673	674	650	680	678	673	675	672	672	669	670	671
JMJG	U003	587	588	584	591	590	590	590	587	589	589	590	590	587	585	588	593	591	591	588	593	588	590	600	667
JMJG	U004	974	976	976	975	977	974	944	861	779	783	782	782	782	783	782	785	782	783	785	782	783	783	785	782
PKLG	U003	282	283	283	282	280	280	281	279	282	281	282	283	283	282	257	159	158	210	278	282	281	284	278	291
PKLG	U005	470	470	470	470	470	471	470	469	470	470	470	470	468	469	404	321	268	302	381	458	471	468	469	468
TBIN	U002	693	693	694	690	693	691	691	694	692	690	693	693	693	691	690	669	601	604	604	693	689	694	692	692
TBIN	U003	691	691	693	693	696	694	693	693	692	694	693	691	692	694	693	654	599	601	601	697	693	693	691	694
TBIN	U004	982	982	982	980	983	984	952	864	782	782	782	783	782	783	782	783	782	782	783	783	782	783	781	783
Total ST-Coal		7512	7511	7508	7511	7517	7512	7444	7280	7104	7116	7120	7121	7120	7119	7085	6902	6491	6440	6599	6884	7030	7110	7124	7126
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
PKLG	U001	75	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U002	94	20	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		169	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	BLK2	354	361	361	361	360	360	360	360	353	360	360	362	362	353	332	196	211	220	218	219	226	321	359	355
GLGR	GT01	68	68	68	68	69	68	67	68	67	69	69	68	69	69	68	69	71	69	68	69	70	68	68	67
GLGR	GT02	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	68	69	68	68	68	68	68	68	68
GLGR	ST1C	70	70	70	70	69	70	69	70	70	70	69	70	69	69	69	69	70	69	69	70	69	69	70	70
KLPP	GT13	110	116	130	114	117	113	113	113	73	73	73	73	74	63	60	64	69	70	66	69	69	70	64	70
KLPP	GT14	123	128	143	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	121	123	139	123	123	121	121	121	79	79	77	77	77	67	72	72	77	76	78	82	77	77	78	77
KLPP	ST17	186	194	198	190	145	120	120	120	93	88	84	84	85	80	80	80	88	88	91	91	90	93	94	96
NPRI	BLK1	495	505	502	503	501	503	502	500	494	505	505	503	502	497	467	386	402	417	413	406	419	505	506	502
NPRI	BLK2	497	506	500	504	502	506	502	505	496	508	507	504	504	497	467	384	400	415	413	406	415	416	506	504
PAKA	GT4B	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	ST4C	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCGP	PGRG	592	601	595	597	598	599	598	600	590	603	603	599	598	590	546	362	380	403	394	489	604	602	604	600
PGLA	GT11	192	166	202	167	166	167	166	166	163	168	168	167	165	163	152	155	161	170	165	163	184	170	167	175
PGLA	GT12	198	172	210	173	172	172	171	171	168	173	174	172	171	169	158	162	168	176	171	169	191	176	173	181
PGLA	ST10	222	206	225	204	205	205	205	205	205	205	205	205	205	203	198	198	203	205	207	211	216	205	208	208
PGPS	GT3A	89	88	88	89	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	39	40	40	39	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	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	GT12	115	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	104	108	123	125	125	122	124	123	120	125	124	124	122	121	114	124	124	124	124	124	124	124	124	124
PLPS	ST18	130	133	88	59	60	59	60	59	59	60	59	59	59	58	60	59	59	60	59	59	59	59	59	59
SGB3	GT32	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	133	135	138	138	136	135	137	111	110	113	113	112	108	108	102	102	108	118	116	114	118	117	118	116
SGB3	ST34	150	74	74	73	73	73	73	66	66	66	66	65	65	64	61	61	61	66	66	67	68	66	66	68
SGRI	GT11	134	134	134	135	136	135	130	110	110	110	109	109	109	106	101	106	109	109	112	109	109	109	109	112
SGRI	GT12	139	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	149	143	77	71	70	73	73	63	67	67	64	65	65	60	63	64	67	66	63	66	66	65	69	65
SGRI	GT23	114	114	114	114	114	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	62	62	62	62	62	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily MW Generation on Saturday

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	
SKSP	BLK1	215	222	255	217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1A	213	228	229	190	192	172	192	190	201	173	174	152	151	149	126	134	143	152	151	147	180	156	185	230	148	168	162	233	208	197	226	193	220	225	214	224	209	214	179	227	221	203	212	220	220	212	227	231
TJGS	GT1B	203	219	221	185	182	166	184	181	201	167	167	144	143	141	117	124	133	143	143	138	168	148	170	211	140	158	152	217	199	190	211	186	210	211	200	213	203	210	167	214	211	195	202	214	212	202	214	217
TJGS	ST1C	236	242	249	237	218	209	205	218	235	196	208	188	185	185	175	175	178	186	186	210	192	186	205	239	205	196	193	245	234	227	246	214	244	244	233	236	232	221	210	220	247	235	225	244	247	242	246	246
TJGS	GT2A	214	214	214	214	214	214	214	214	214	214	148	148	145	148	148	148	146	146	146	147	147	147	146	147	147	147	147	148	212	212	212	189	147	185	184	184	184	147	148	214	211	211	214	212	212	214	214	
TJGS	GT2B	209	209	209	209	209	209	209	209	209	209	145	142	142	142	142	142	144	142	144	142	142	142	142	142	142	142	142	210	208	210	184	143	181	181	181	181	144	144	210	210	210	210	210	210	209	209		
TJGS	ST2C	260	260	260	260	260	260	260	260	260	260	213	213	213	211	211	211	211	211	211	211	211	211	211	211	211	211	211	259	259	259	256	211	238	238	238	238	213	213	259	259	259	259	259	259	259	259		
YPKA	GT21	125	126	125	125	125	126	126	95	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	65	66	66	66	66	66	66	66	66	66	66	66	124	124	122	123	123	124	66	66		
YPKA	ST20	59	59	59	59	58	58	59	47	38	38	38	38	39	38	39	38	39	38	39	39	39	39	39	39	39	39	39	39	40	39	39	39	39	39	39	39	39	39	58	58	58	57	58	58	39	39		
Total CCGT-Gas		6652	6330	6170	5869	5429	5182	5108	5013	4984	4838	4668	4575	4560	4520	4260	3811	3926	4078	4048	4142	4391	4475	4673	4799	4550	4647	4585	4849	4858	4837	5000	4793	4782	4896	4823	4852	4791	4840	5108	5649	5730	5791	5739	5662	5801	5490	5502	5381
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	62	-1	-1	-1	-1	-1
HTRG	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNRG	HY01	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	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
KNYR	HY02	58	59	57	59	98	98	98	98	98	98	98	98	98	98	98	98	89	88	89	97	98	98	60	58	60	58	60	58	60	59	58	58	59	57	59	60	59	59	59	59	58	58	54	57	57	60	92	84
KNYR	HY03	-1	-1	-1	-1	96	96	96	95	96	96	96	95	95	96	96	96	96	100	100	-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	
KNYR	HY04	0	0	0	0	97	97	97	97	97	97	97	97	97	97	89	88	89	97	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
LPIA	HY02	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PGAU	HY01	-1	18	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	20	-1	
PGAU	HY02	-1	-1	-1	19	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	15	-1	-1	-1	-1	22	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	21	-1	-1	-1	20	-1	-1	-1	20	-1	-1	-1	
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	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	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	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	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	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	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	0	0	0	0	0	0
TMGR	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	-1	-1	-1	-1	-1	
TMGR	HY02	0	33	33	33	33	33	33	33	31	33	33	33	33	31	22	27	32	36	36	34	36	36	36	36	34	36	35	36	34	33	36	33	36	36	35	36	36	35	36	36	36	36	36	36	36	36	36	36
TMGR	HY04	30	33	33	33	-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		
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	-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	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																																

Daily MW Generation on Saturday

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	0	0	7	29	67	113	174	196	244	277	262	326	282	307	298	324	306	263	262	236	159	156	109	47	31	14	0	0	0	0	0	0	0	0	0
PCUF	CUFG	15	30	31	32	31	33	31	31	32	33	32	32	31	29	30	31	32	33	31	30	31	29	29	30	31	29	30	29	29	29	30	30	30	29	29	31	31	30	32	31	31	29	29	30	30	30	30	
PCUF	CUFK	10	11	12	10	12	13	11	13	11	13	12	11	12	9	9	12	13	11	10	12	11	11	6	11	13	11	10	6	6	8	8	11	11	11	11	9	9	9	9	9	9	10	11	12	12	12	23	22
Total Co-Gen		25	41	43	42	43	46	42	44	43	46	44	43	44	38	39	43	45	44	41	42	42	40	35	41	44	40	40	35	35	37	38	41	41	40	40	40	40	29	41	40	41	40	41	42	42	53	52	
Total Gen		14516	14119	13896	13619	13365	13116	12970	12712	12524	12396	12208	12114	12099	12056	11746	11111	10848	11033	11211	11425	11807	12017	12262	12392	12246	12349	12275	12531	12585	12627	12781	12892	12939	13095	13029	13003	12876	12912	13209	14208	14519	14453	14359	14258	14087	13943	14037	13786
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	-2		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-30	-29	-30	-28	-28	-28	-28	-29		
TIE-PLTG		-12	-62	-38	-19	-21	-60	-36	-27	15	-14	-6	-33	-1	1	105	40	4	-35	-27	-36	-63	-72	-55	-41	-12	-57	-39	-80	-22	-22	-54	-49	0	-8	20	26	46	-21	17	-37	-25	24	-29	-51	-24	-35	-40	-50
Interconnection		-42	-91	-67	-48	-50	-89	-64	-55	-13	-43	-35	-62	-31	-29	74	11	-25	-65	-57	-65	-92	-102	-84	-69	-41	-86	-68	-109	-51	-51	-83	-78	-30	-37	-8	-3	16	-49	-12	-67	-54	-6	-59	-79	-53	-64	-68	-80
System Total		14558	14210	13963	13667	13415	13205	13034	12767	12537	12439	12243	12176	12130	12085	11672	11100	10879	11109	11288	11516	11928	12158	12378	12495	12335	12468	12393	12683	12678	12727	12896	12993	12997	13161	13048	13024	12872	12965	13221	14275	14573	14459	14425	14344	14147	14014	14112	13873
SRev ST-Coal		108	109	112	109	103	108	176	255	268	259	258	256	255	256	291	458	574	578	471	331	307	265	250	249	190	259	269	269	314	270	321	177	77	244	224	214	215	215	475	100	78	55	40	23	3	45	31	38
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		785	877	672	826	767	804	662	752	781	927	1097	1190	1205	1245	1505	1954	1839	1687	1717	1623	1374	1290	1092	966	1215	1118	1180	916	907	928	765	972	983	869	942	913	974	1221	1073	554	548	632	684	761	622	790	625	746
SRev ST-Gas		55	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
SRev Co-Gen		40	24	22	23	22	19	23	21	22	19	21	22	21	22	27	26	22	20	21	24	23	23	25	30	24	21	25	25	30	30	28	27	24	24	25	25	25	25	36	24	25	24	25	24	23	23	12	13
Syncon		1115	964	1115	964	1100	1100	1100	1100	949	949	1100	1100	1100	1100	949	974	974	823	823	1075	1075	1075	1075	924	1075	924	1075	1075	1075	924	1075	924	1075	1075	924	1075	1075	773	1201	1029	1115	989	964	1115	1014	863	1201	
Hydro		142	263	133	314	99	99	99	100	233	230	99	100	100	101	263	124	117	224	220	91	127	129	127	256	131	253	128	128	131	261	128	260	128	127	258	128	129	128	385	246	249	274	273	347	183	225	319	103
S.Reserve Total		2245	2285	2054	2236	2091	2130	2060	2228	2253	2384	2575	2668	2681	2724	3035	3536	3526	3332	3252	3144	2906	2782	2569	2425	2635	2575	2677	2413	2457	2413	2317	2360	2287	2339	2373	2355	2418	2664	2742	2125	1929	2100	2011	2119	1946	2097	1850	2101