

Daily System Generation Summary on Sunday

Sunday, November 03, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,293 MW
Distillate	0 MW
Total TNB	2,293 MW
Total IPP	14,002 MW
Total Co-Gen	0 MW
Total System	18,812 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,197	3.53 %
Gas	28,407	8.96 %
Total TNB	39,604	12.49 %
ST-Coal	195,820	61.75 %
LSS	2,569	0.81 %
Gas	77,188	24.34 %
Total IPP	275,577	86.91 %
Co-Gen	1,418	0.45 %
Total Co-Gen	1,418	0.45 %
Total Generation	316,599	99.84 %
PLTG	-255	-0.08 %
HVDC	-247	-0.08 %
Interconnection	-502	-0.16 %
Net Energy	317,101	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:	20:30:00 Hour
Total Set On Bus	16,888 MW
TNB Generation	2,440 MW
IPP Generation	12,542 MW
Spinning Reserve	1,856 MW
Maximum Demand	15,012 MW
Net Energy	317,101 MWH
Load Factor	88.01 %

Fuel Cost

Total Cost:	57,012,909.06 RM
Cost per Unit	18.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	557
Hydro	545
Syncon	594
Thermal	400
Total	2,096

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
PAKA	27
PGPS	28
TJGS	153
Total TNB	208
CBPS	51
KLPP	77
MPSS	34
NPRI	52
PGLA	86
PKLG	8
PLPS	61
PTEK	6
SGB3	58
SKSP	49
YPKA	23
Total IPP	505
Total Gas	713
Total Gas Required	713

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	13851	13193	12636	12357	12127	11878	11953	11643	11337	11931	12722	13107	13238	13183	13602	13681	13788	13534	13377	14305	15010	14954	14863	14494

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 05, 2019 8:19:08 AM

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

Daily MW Generation on Sunday

		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		693	693	693	692	692	692	692	694	692	692	694	693	694	690	692	691	693	690	693	693	695	694	694	694	695	693	694	694	695	693	694	691	692	692	692	692	693	692	686	706	694	692	693	676					
JMAH	U002		694	694	692	693	693	693	696	692	693	694	693	695	696	693	692	688	692	696	695	694	694	694	694	695	693	694	694	695	693	694	691	694	693	693	696	691	692	695	694	693	693	700	695	691	696	696	694	693	
JMHE	U001		969	862	790	794	785	790	794	790	790	790	790	785	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	790	820	858	858	858	858	858	858	862	862	807							
JMJG	U003		662	671	634	667	670	664	669	667	667	668	667	669	667	672	666	668	668	667	666	666	670	667	670	668	667	667	667	671	668	666	664	673	672	636	657	673	666	666	603	544	545	546	540	545	682	672	670	670	
JMJG	U004		961	932	848	785	787	783	782	782	785	783	782	782	786	783	783	783	783	782	782	782	782	782	782	782	782	783	783	783	781	783	783	785	786	785	786	785	785	793	855	854	854	855	857	854	857	857	824		
JMJG	U005		959	920	778	779	780	783	783	782	792	791	789	785	782	778	780	782	783	783	785	783	777	782	783	783	779	778	785	783	782	782	782	781	779	780	782	777	781	777	791	860	852	850	849	849	853	857	849	807	
PKLG	U003		279	280	281	285	281	284	283	280	283	278	281	284	282	282	226	163	144	0	0	0	0	0	0	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	U004		280	278	281	280	279	278	279	279	280	281	280	281	278	279	280	229	206	230	274	279	279	281	282	280	280	278	283	281	280	285	280	279	280	281	279	280	281	281	280	281	278	280	279	280	281	281	282	281	
PKLG	U005		468	471	470	470	468	468	468	470	470	470	470	470	469	469	471	397	360	418	467	467	468	468	469	470	467	467	467	467	466	466	466	466	466	466	468	467	466	468	470	469	473	473	471	467	468	466	466		
TBIN	U001		688	687	687	688	683	686	687	686	687	686	684	688	686	685	688	687	685	687	688	686	688	688	683	686	685	689	689	689	690	681	689	691	689	690	691	686	692	690	690	688	689	691	689	690	691	689	689	690	692
TBIN	U002		692	694	691	689	693	689	689	691	686	693	692	692	690	688	692	692	692	692	692	686	693	687	689	686	692	687	692	688	689	687	695	691	691	691	691	684	691	691	690	689	689	688	687	690	689	689	691		
TBIN	U003		695	693	692	692	694	693	694	693	692	693	695	693	693	695	691	692	695	693	692	693	694	692	692	696	693	695	690	691	693	689	693	689	694	690	692	687	692	692	692	694	692	690	695	691	695	693	690	695	
TBIN	U004		962	934	847	783	783	783	781	782	781	783	784	783	781	781	782	781	782	784	783	782	783	782	780	782	782	781	783	783	783	783	782	781	782	782	783	783	782	782	790	853	854	853	853	853	853	852	855	819	
Total ST-Coal			9002	8809	8384	8297	8288	8286	8299	8284	8304	8299	8303	8297	8287	8295	8233	8042	7976	7915	7997	8011	8007	8013	8010	8018	8001	8012	8009	8027	7999	8011	8007	8006	8014	7977	7999	8003	8009	8007	8005	8179	8168	8174	8161	8179	8314	8308	8297	8121	
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		363	363	370	363	361	363	358	359	362	282	223	223	227	223	214	214	218	271	354	357	359	361	360	360	360	353	340	336	338	337	351	355	355	353	353	353	344	358	348	356	350	347	346	348	346				
KLPP	GT13		135	134	133	133	131	118	118	119	119	120	118	120	120	118	115	114	115	115	117	119	123	132	122	111	112	108	117	114	115	121	115	114	118	134	110	127	114	116	134	135	136	135	134	135	133	133	133	135	
KLPP	GT14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	58	150	129	125	125	133	125	124	134	155	124	138	125	125	150	149	151	153	156	156	149	153	144	145	
KLPP	GT15		154	103	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	153	136	125	125	123	128	124	125	135	127	127	133	151	127	141	126	126	146	147	151	154	153	153	149	152	147	144	
KLPP	ST17		133	120	53	54	54	54	54	53	53	54	54	53	53	51	51	50	50	54	50	54	58	133	126	121	140	190	190	186	186	190	186	186	186	198	182	194	186	185	194	202	198	198	198	198	198	194	198	198	
MPSS	GT01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	41	80	106	99	99	100	99	102	100	87			
MPSS	GT02		89	86	89	88	87	88	88	87	89	88	88	88	89	89	87	86	89	87	88	89	89	89	89	89	86	88	89	89	91	86	88	87	95	94	87	88	86	86	88	80	105	100	98	101	99	102	101	88	
MPSS	ST01		37	35	37	36	37	37	37	36	37	36	37	37	37	38	37	35	35	35	37	38	39	38	38	40	39	37	38	40	38	37	37	37	42	43	39	39	36	36	36	48	111	106	106	106	105	105	106	94	
NPRI	BLK1		388	386	388	388	389	389	388	388	388	329	329	330	329	330	329	329	330	331	328	201	193	232	280	376	422	421	470	532	536	523	532	488	248	536	211	533	535	536	260	0	0	0	0	0	0	0	0		
PAKA	GT4A		85	85	85	85	85	85	85	85	86	85	85	85	85	85	84	85	85	84	85	85	84	85	85	85	84	85	85	85	85	85	85	85	85	85	85	85	85	85	89	89	89	89	88	89	89	89	84		
PAKA	ST4C		36	36	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	36	37	40	38	38	38	38	38	38	39	39	39	39	39	39	39	39	39	39	40	40	40	40	40	40	40	40	38			
PCGP	PGRG		409	401	433	401	386	396	403	396	401	403	401	399	402	402	346	285	289	399	383	388	398	400	397	389	390	386	388	399	401	390	397	402	409	401	582	602	598	596	614	587	603	594	601	602	593	591	593	599	
PGLA	GT11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	127	151	203	169	188	188	196	161	161	207	198	195	195	192	201	211	588	191	163	163	187	215	216	218	221	218	216	217	218	217			
PGLA	GT12		187	233	240	233	228	234	235	233	164	164	163	163	163	163	162	156	161	182	181	182	216	180	203	201	210	173	174	220	212	209	207	204	213	223	171	204	173	175	200	228	232	231	232	232	230	230	230	232	
PGLA	ST10		95	111	113	113	112	113	112	112	90	90	90	90	90	90	90	90	89	94	87	187	236	210	212	224	216	204	209	232	227	225	218	230	229	237	203	213	206	204	221	243	243	243	243	243	243	241	241	241	
PGPS	GT3A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	88	87	87	88	87	88	88	87	67		
PGPS	GT3B		71	71	72	71	71</																																												

Daily MW Generation on Sunday

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																										
YPKA	GT21	65	65	69	65	65	65	65	64	65	65	65	65	65	66	65	65	65	65	65	65	65	65	65	65	65																									
YPKA	ST20	37	37	39	37	37	37	37	36	36	36	36	36	36	37	37	37	38	37	38	38	38	38	38	38	38																									
Total CCGT-Gas		4268	4098	4206	4075	3860	3804	3558	3472	3362	3325	3163	3280	3260	3351	3018	2912	2945	3317	3346	3679	3946	4183	4370	4482	4473	4438	4401	4625	4787	4893	4898	4905	5100	5025	4991	4907	4891	4887	5602	5541	5393	5416	5535	5515	5359	5401	5343	5257		
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY01	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	12	12	12	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	10	10	9	9	9	10	10	10	9	10	9	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	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	-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	
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	-1	-1	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY02	94	95	95	95	60	60	-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	
KNYR	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	0	
KNYR	HY04	96	96	96	96	59	59	59	59	59	59	60	59	59	55	54	55	58	58	98	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
LPIA	HY02	17	17	17	17	17	17	17	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	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
MNOR	HY01	6	6	6	6	6	6	6	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	
PGAU	HY01	-1	-1	-1	-1	-1	-1	14	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-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	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	17	-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	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	
PGAU	HY04	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	
SIHY	HY01	50	50	50	51	51	51	51	51	51	51	51	51	51	30	30	49	50	50	49	49	49	50	50	49	50	50	50	50	49	50	49	50	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SYPS	HY01	25	25	25	25	25	25	17	17	17	17	17	17	17	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
SYPS	HY02	25	25	25	25	25	25	17	17	17	17	17	17	17	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	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	0	0	0	0	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	0	
TMGR	HY01	32	32	33	33	32	32	33	33	33	33	33	32	33	33	32	30	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	28	34	34	33	34	33	33	34	34	34	34	34																				

Daily MW Generation on Sunday

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																										
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	21	23	29	35	41	38	32	35	32	49	29	16	27	44	32	27	24	16	10	4	2	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	2	7	14	21	24	25	38	25	36	36	17	48	10	41	41	47	12	23	16	15	5	4	2	0	0	0	0	0	0	0	0	0	0	0			
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	15	25	21	40	50	37	28	43	50	30	34	40	48	46	35	23	20	19	14	1	0	0	0	0	0	0	0	0	0	0	0	0			
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	19	27	38	41	36	55	43	39	56	58	58	33	26	51	45	41	21	20	9	2	0	0	0	0	0	0	0	0	0	0	0	0			
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	14	15	27	21	35	36	38	43	43	44	22	45	18	37	3	3	4	5	3	2	0	0	0	0	0	0	0	0	0	0	0			
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	17	55	117	181	221	281	320	306	338	342	357	387	341	297	304	348	295	206	165	129	81	38	13	1	1	1	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	39	45	44	43	43	44	44	42	43	44	44	47	47	46	47	48	46	48	46	48	47	47	47	47	46	47	50	47	48	48	42	35	34	47	32	33	32	31	32	32	31	30	33	32	34	34				
PCUF	CUFK	17	17	17	17	17	18	17	17	18	18	17	18	17	18	17	16	18	17	18	17	18	16	18	16	18	20	17	19	18	18	17	15	20	15	17	17	18	17	18	18	16	16	17	18	18	20				
Total Co-Gen		56	62	61	60	60	61	61	61	60	61	61	62	64	65	63	64	64	65	62	63	66	64	65	64	63	65	62	65	70	64	67	66	59	50	54	62	49	50	50	48	50	50	47	46	50	50	52	54		
Total Gen		13783	13427	13109	12890	12593	12537	12259	12126	12050	11993	11833	11945	11934	12020	11619	11269	11270	11664	11906	12247	12674	12986	13098	13249	13228	13214	13207	13409	13502	13621	13685	13649	13753	13927	13540	13429	13362	13476	14313	14945	14963	15032	15014	15007	14845	14726	14499	14121		
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	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	0	0	0	0	0	0	0	0	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-PLTG		-35	-15	-51	-61	-10	-25	-66	-20	-43	-17	-12	-13	14	-28	9	-8	-34	-53	-21	-19	-44	-12	-5	-26	-6	-40	28	-3	-96	30	8	-16	-31	18	10	27	-11	12	12	42	-43	24	64	28	-14	33	9	-1		
Interconnection		-64	-45	-80	-89	-39	-54	-94	-48	-73	-47	-41	-42	-15	-57	-20	-37	-63	-53	-21	-19	-44	-12	-5	-26	-6	-40	28	-3	-96	30	8	-16	-31	18	10	27	-11	12	12	42	-43	24	64	28	-14	33	9	-1		
System Total		13851	13476	13193	12983	12636	12595	12357	12178	12127	12044	11878	11991	11953	12081	11643	11310	11337	11721	11931	12270	12722	13002	13107	13279	13238	13258	13183	13416	13602	13595	13681	13669	13788	13913	13534	13406	13377	13468	14305	14907	15010	15012	14954	14983	14863	14697	14494	14126		
SRev ST-Coal		181	336	495	463	464	470	461	471	463	467	461	454	470	456	495	572	571	534	481	460	462	459	462	459	470	455	464	453	474	460	172	173	165	491	471	468	465	462	437	442	444	436	449	438	439	453	462	475		
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	-2	67	77	24	60	79	134	74	0		
SRev CCGT-Gas		516	553	478	351	423	407	653	739	849	886	1048	931	951	860	1193	1229	1196	974	945	612	634	507	477	576	596	817	854	747	585	554	683	676	469	481	802	886	902	1014	611	464	367	344	225	245	401	359	417	503		
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	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	0	0
SRev Co-Gen		19	13	14	15	15	14	14	14	15	14	14	13	11	10	12	11	11	10	13	12	9	11	10	11	12	10	13	10	5	11	8	9	16	25	21	13	26	25	25	27	25	25	28	29	25	25	23	21		
Syncon		1052	1052	1052	1052	1052	1002	1153	1002	1153	1153	1153	1153	1153	1153	1153	1153	1153	1079	928	752	651	840	689	689	689	689	689	689	689	689	689	689	214	710	689	689	588	401	88	0	88	401	552	739	865	865	865			
Hydro		247	246	246	246	319	318	413	294	430	295	297	297	280	294	298	319	323	303	359	432	445	539	496	497	495	502	496	493	495	495	479	467	470	609	476	468	469	426	602	729	779	890	601	568	507	431	433	433		
S.Reserve Total		2015	2200	2285	2127	2273	2261	2543	2671	2759	2815	2973	2848	2865	2773	3151	3284	3254	2974	2877	2444	2302	2167	2285	2232	2262	2473	2516	2392	2248	2209	2031	2014	1809	1820	2480	2524	2551	2515	2076	1748	1682	1860	1728	1892	2190	2267	2274	2297		