

Daily System Generation Summary on Sunday

Sunday, July 15, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,099 MW
Hydro	2,194 MW
Distillate	0 MW
Total TNB	4,293 MW
Total IPP	16,627 MW
Total Co-Gen	0 MW
Total System	21,492 MW

Generation Mix

Type	MWh	Percentage
Gas	25,833	7.85 %
Hydro	11,180	3.40 %
Total TNB	37,013	11.25 %
ST-Coal	197,049	59.91 %
Gas	93,455	28.41 %
Total IPP	290,504	88.32 %
Co-Gen	706	0.21 %
Total Co-Gen	706	0.21 %
Total Generation	328,223	99.79 %
PLTG	-600	-0.18 %
HVDC	-87	-0.03 %
Interconnection	-687	-0.21 %
Net Energy	328,910	100.00 %

Maximum Demand Record

Date: 6/6/2018	18,010 MW
Date: 6/7/2018	382,778 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	16,721 MW
TNB Generation	2,492 MW
IPP Generation	13,061 MW
Spinning Reserve	1,136 MW
Maximum Demand	15,663 MW
Net Energy	328,910 MWH
Load Factor	87.50 %

Fuel Cost

Total Cost:	57,157,985.54 RM
Cost per Unit	18.02 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	334
Hydro	246
Syncon	829
Thermal	338
Total	1,747

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	29
SRDG	5
TJGS	103
Total TNB	190
CBPS	51
KLPP	73
MPSS	30
NPRI	156
PGLA	86
PLPS	72
PTEK	10
SGRI	54
SKSP	5
YPKA	75
Total IPP	612
Total Gas	802
Total Gas Required	802

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	14816	14188	13637	13267	12911	12484	12449	12229	11687	12282	12905	13396	13586	13553	13835	14135	14179	13933	13625	13749	15324	15663	15390	15314

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, August 03, 2018 12:06:27 PM

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

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				
JMAH	U001	693	692	694	693	691	693	694	693	693	694	694	693	694	693	693	694	695	689	694	692	692	692	692	689	695	693	692	693
JMAH	U002	695	695	691	694	693	692	692	694	687	694	692	693	693	695	692	693	693	695	694	693	693	694	693	695	694	696	693	692
JMJG	U001	664	665	666	639	591	645	674	674	674	677	674	677	678	673	680	677	674	676	671	671	670	672	669	673	671	667	670	672
JMJG	U002	673	672	671	671	674	676	670	671	675	672	672	671	669	672	666	678	668	669	675	672	672	640	641	672	668	673	670	677
JMJG	U003	0	89	269	382	458	508	535	539	662	683	629	631	679	654	607	663	687	666	663	666	671	670	666	667	671	670	666	667
JMJG	U004	887	813	804	801	801	804	801	804	804	803	803	804	804	803	803	804	806	804	803	803	803	801	803	804	803	803	804	805
JMJG	U005	883	798	801	801	801	805	800	800	803	801	805	804	803	798	801	801	801	800	803	801	799	801	804	803	799	801	799	801
PKLG	U003	284	282	282	281	283	282	282	283	278	280	282	282	282	283	284	284	285	284	282	283	285	284	286	288	284	284	277	281
PKLG	U004	283	283	281	281	281	282	280	277	278	281	280	281	280	281	281	278	281	281	279	281	281	283	281	278	276	279	278	280
PKLG	U005	468	467	461	467	467	468	468	471	467	467	464	467	470	468	466	466	467	466	466	467	470	466	460	466	470	466	464	467
TBIN	U001	688	690	692	690	690	686	690	691	693	690	690	691	690	691	686	667	650	691	691	692	686	698	692	691	689	690	690	691
TBIN	U002	691	692	691	687	693	692	691	693	693	690	694	690	691	691	690	680	652	693	692	697	694	691	690	698	693	689	692	694
TBIN	U004	883	819	805	803	802	802	801	799	804	802	804	800	803	803	803	803	804	803	802	802	801	803	800	803	803	802	803	802
Total ST-Coal		7792	7657	7808	7890	7925	8035	8078	8089	8218	8227	8185	8183	8236	8203	8153	8123	8071	8221	8214	8228	8214	8197	8183	8227	8224	8220	8208	8218
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
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
CBPS	BLK2	362	364	362	370	367	362	362	371	359	366	339	231	221	324	253	206	222	213	302	359	360	354	362	360	357	357	361	357
GLGR	GT01	84	106	87	106	102	95	83	69	67	68	69	70	68	68	67	68	68	69	68	67	67	78	104	105	104	104	104	103
GLGR	GT02	83	108	86	107	103	95	83	68	68	68	68	68	68	68	69	68	68	69	68	68	78	104	104	104	104	103	104	104
GLGR	ST1C	84	93	86	90	90	91	84	71	71	71	70	71	70	71	70	70	70	71	70	72	92	93	93	94	93	93	94	94
KLPP	GT13	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
KLPP	GT14	154	153	154	155	155	153	157	148	142	126	126	147	150	123	124	119	75	75	70	77	125	129	131	127	138	144	138	149
KLPP	GT15	146	143	143	146	143	143	143	139	132	117	118	138	138	113	113	112	67	68	64	69	120	123	123	119	129	132	130	143
KLPP	ST17	204	160	136	135	135	134	134	128	132	119	119	131	131	126	124	115	84	84	81	84	121	126	118	120	128	128	124	131
MPSS	GT01	109	109	109	107	107	98	85	89	84	86	85	87	86	85	89	84	88	88	86	88	88	86	90	87	87	87	106	105
MPSS	GT02	107	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MPSS	ST01	117	77	52	53	53	53	38	38	38	37	37	38	37	37	36	39	37	36	39	39	39	39	38	40	39	39	51	52
NPRI	BLK1	520	528	530	530	529	526	529	528	524	529	529	530	529	521	526	292	317	500	487	506	502	496	506	502	504	502	505	504
NPRI	BLK2	520	532	530	532	530	527	530	533	524	531	530	446	445	507	395	289	313	310	488	507	505	496	506	503	504	502	504	506
PCGP	PGRG	314	320	320	321	399	398	399	407	398	266	260	262	263	255	266	244	264	261	250	266	400	395	402	400	386	397	399	402
PGLA	GT11	233	231	217	217	206	147	0	0	0	0	0	0	0	0	0	0	0	0	32	140	139	210	174	184	174	184	171	217
PGLA	GT12	232	231	222	222	211	169	212	223	215	158	158	226	211	159	172	150	188	171	159	204	214	214	187	215	177	188	177	190
PGLA	ST10	252	252	238	240	221	85	104	114	110	96	92	105	102	96	97	91	93	89	90	97	106	99	100	246	204	225	208	222
PGPS	GT3A	93	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	94	84	94	95	95	94	70	69	70	70	70	70	70	70	70	69	70	70	70	70	70	70	70	70	69	69	70	93
PGPS	ST3C	90	76	42	44	44	44	30	31	30	30	30	29	29	29	29	29	29	29	30	30	30	30	31	31	31	31	43	45
PLPS	GT11	129	132	134	133	132	133	133	137	62	65	61	66	65	63	65	58	65	66	60	67	65	128	135	132	133	133	132	134
PLPS	GT12	132	137	86	0	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	GT13	124	129	128	129	128	128	129	132	64	64	62	64	64	61	64	56	64	64	58	64	64	126	130	128	128	129	128	129
PLPS	ST18	212	213	206	142	141	142	142	142	95	92	91	92	92	92	91	83	89	87	88	90	91	138	142	140	142	143	142	141
SGRI	GT11	105	137	134	133	134	133	110	114	110	110	110	111	111	111	110	106	110	109	109	112	109	110	108	108	112	125	130	128
SGRI	GT12	108	137	140	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	109	134	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	196	221	184	129	99	75	66	68	65	68	65	67	66	66	66	64	65	66	65	65	66	66	67	66	68	64	71	73
SKSP	BLK1	344	345	347	182	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT																												

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																									
TJGS	ST2C	264	260	259	259	258	258	258	258	236	211	210	210	217	210	211	211	211	234	258	258	258	258	258	259	258	258	258	258	259	259	259	258	258	259	258	258	258	258	258	258	258	258							
YPKA	GT11	127	131	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	130	130	130	130	129	130	129	131	132	129	132	96	97	132	133	132	132	132	133	133	132	133				
YPKA	GT12	130	131	130	131	131	131	130	66	65	65	65	65	66	66	65	65	65	65	65	65	65	65	59	59	60	57	125	128	128	128	127	128	127	131	132	131	132	101	101	135	136	135	135	135	133	136	135	136	134
YPKA	ST10	125	126	89	58	58	58	58	33	33	32	32	32	32	32	32	33	33	33	33	33	33	58	59	59	60	57	125	128	128	128	127	128	128	128	128	128	103	103	128	128	128	129	129	129	129	128	127		
YPKA	GT21	130	131	129	131	131	131	130	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	58	59	60	57	125	128	128	128	127	128	128	128	128	128	103	103	128	128	128	129	129	129	129	129	129		
YPKA	ST20	66	66	65	66	65	65	66	42	41	41	41	41	41	41	41	41	41	41	41	41	41	62	65	66	65	65	65	66	66	66	66	66	66	65	65	66	66	66	66	66	66	66	66	65	66	65			
Total CCGT-Gas		6683	6539	6002	5455	5230	4891	4691	4507	4244	3907	3794	3756	3721	3803	3603	3110	3153	3302	3637	3883	4198	4654	4754	4979	4884	5002	5087	5233	5201	5378	5347	5369	5428	5464	5416	5343	5113	5080	5186	5539	5545	5682	5732	5678	5657	5684	5767	5721	
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	107	106	106	106	105	106	107	107
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	107	106	106	106	106	106	107
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	0	0	0	0	0	0	0	0	0	0	0	91	122	123	123	123	122	122	89
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	253	335	335	335	334	334	335	303
BSIA	HY02	24	24	24	24	24	23	24	14	14	14	14	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	23	23	23	24	23	23	23	24	12	12	12	12	23	23	23	23	22	22	23			
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	24	24	24	24	23	23	0		
CEND	HY01	7	8	7	8	7	7	7	8	7	8	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	7	7	7	7	8	8	7	7	7	8	8	8	8	7				
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			
CEND	HY03	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				
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				
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	24	24	24	24	24	24	0	
KNRG	HY02	38	39	38	38	38	38	29	28	29	28	29	29	28	29	28	28	28	28	29	28	28	29	28	29	29	29	29	38	38	38	38	38	38	38	38	28	28	28	27	27	27	27	28	27	27	27	28		
KNYR	HY02	59	86	64	101	99	99	100	100	98	98	98	99	99	99	99	92	97	94	95	98	98	97	98	95	98	63	70	84	69	101	100	103	104	71	59	79	61	73	96	105	60	84	87	101	101	69	103	88	
KNYR	HY03	0	0	0	101	101	100	101	101	100	99	100	100	100	100	93	98	95	96	99	99	98	100	97	99	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	97	97	0	0	0	0
KNYR	HY04	100	-1	59	102	101	101	102	102	100	100	101	101	101	94	99	96	97	99	100	99	100	97	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	103	100	102	100	101	103	102	-1	
LPIA	HY01	10	11	10	11	10	10	10	10	10	10	10	10	10	10	10	10	12	15	17	16	13	11	11	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	19	18	16	12			
LPIA	HY02	10	11	11	11	10	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	4	4	5	5	5	5	5	5	5	3	3	3	3	6	6	6	6	6	6	6	6	
PGAU	HY01	23	20	21	21	-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	22	22	22	21	28	22	22	23	23	24	22	23	-1			
PGAU	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			
PGAU	HY03	18	21	20	22	20	20	21	-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				
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	51	51	51	51	51	51	51	0	0	0	49	49	49	48	49	54	51	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			
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			
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	25	25	25	25	25	25	25	0	0	0	0	0	0	25	25	25	25	25	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	25	25	25	25	25	25	25	0	0	0	0	0	0	24	24	24	24	8	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	25	25	25	25	25	25	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	25	25	25	25	25	25	0	0			
TMGR	HY01	32	33	33	33	33	33	33	33	33	33	33	33	36	33	36	36	34	36	36	36	33	33	33	33	33	33	33	64	64	84	84	84	85	34	34	34	34	34	36	62	62	62	62	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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