

Daily System Generation Summary on Thursday

Thursday, July 26, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,461 MW
Hydro	2,380 MW
Distillate	0 MW
Total TNB	4,841 MW
Total IPP	16,093 MW
Total Co-Gen	45 MW
Total System	21,551 MW

Generation Mix

Type	MWh	Percentage
Gas	34,575	9.20 %
Hydro	13,312	3.54 %
Total TNB	47,887	12.74 %
ST-Coal	203,912	54.25 %
Gas	123,691	32.91 %
Total IPP	327,603	87.16 %
Co-Gen	358	0.10 %
Total Co-Gen	358	0.10 %
Total Generation	375,848	100.00 %
PLTG	-340	-0.09 %
HVDC	341	0.09 %
Interconnection	1	0.00 %
Net Energy	375,847	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:	16:00:00 Hour
Total Set On Bus	19,305 MW
TNB Generation	2,802 MW
IPP Generation	15,007 MW
Spinning Reserve	1,488 MW
Maximum Demand	17,905 MW
Net Energy	375,847 MWH
Load Factor	87.46 %

Fuel Cost

Total Cost:	67,270,221.36 RM
Cost per Unit	18.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	389
Hydro	393
Syncon	749
Thermal	151
Total	1,682

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	34
SRDG	9
TJGS	159
Total TNB	252
CBPS	52
KLPP	95
MPSS	41
NPRI	157
PGLA	111
PLPS	96
PTEK	8
SGB3	56
SGRI	88
SKSP	51
YPKA	79
Total IPP	832
Total Gas	1,084
Total Gas Required	1,084

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	15225	14396	13899	13513	13155	12911	13152	13136	13544	15354	16330	16905	16993	16752	17327	17772	17905	17525	16264	15995	17110	17106	16660	16327

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, August 03, 2018 12:14:55 PM

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

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	692	694	689	693	692	691	692	693	692	689	693	693	692	693	692	693	693	694	692	693	692	693	692	693	692	691	692	691																						
JMAH	U002	695	694	694	696	693	692	693	694	694	692	696	693	693	694	695	694	695	694	694	694	693	697	693	692	693	694	692	694	694	693	694	695	692	693	695															
JMJG	U001	676	675	671	671	672	669	671	673	671	668	670	672	671	684	669	665	668	678	698	676	669	676	673	671	668	671	668	672	671	672	672	671	671	671	670	671	670	664												
JMJG	U002	669	673	669	670	677	667	677	671	663	672	675	669	665	671	672	670	676	673	668	672	669	673	669	672	671	669	673	668	678	672	670	671	672	671	671	671	671													
JMJG	U003	446	446	446	444	443	443	452	444	446	447	442	449	447	444	447	445	447	446	559	677	677	685	670	672	675	666	666	667	668	666	671	664	671	663	665	668	667	669	668	669	670	662	673	666	669	665	669	667		
JMJG	U004	977	925	838	829	826	828	826	828	825	826	828	827	828	826	827	826	828	856	942	977	973	977	976	975	977	976	976	975	975	977	977	976	976	976	977	974	976	976	975	976	976	973	976	975	975	975	975			
JMJG	U005	798	800	800	801	803	742	701	701	755	825	825	823	819	819	819	820	822	816	819	878	990	985	983	981	979	981	981	982	983	980	983	980	983	980	979	978	978	976	979	982	983	982	977	981	981	980	978	978	981	
PKLG	U003	283	282	283	281	283	283	282	282	276	278	282	282	283	282	281	282	282	281	281	282	280	280	282	280	280	279	292	282	285	283	279	284	283	274	283	278	277	275	281	281	282	281	282	281	284	276	279	280	281	279
PKLG	U004	279	285	281	280	279	276	277	275	276	279	278	278	280	280	278	282	282	280	280	279	280	282	281	281	280	276	278	276	277	280	279	280	278	280	280	280	275	278	279	278	278	279	280	281	279	279	280	281	279	
PKLG	U005	466	469	468	469	468	469	468	468	467	466	463	462	466	470	470	468	465	464	467	468	467	468	467	467	468	468	466	467	468	466	467	466	466	466	466	466	466	469	466	469	468	467	468	467	468	467	470	469		
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	0	0	0	0	0	0	0	
TBIN	U001	689	687	687	688	688	689	689	686	689	691	689	690	687	689	689	690	690	689	690	690	687	689	685	690	688	687	687	687	688	689	690	687	688	687	690	687	688	687	689	686	688	687	687	689	684	683	684	690	686	
TBIN	U002	690	689	691	694	690	691	689	690	693	692	691	687	690	692	693	693	690	689	693	692	692	690	687	692	690	690	691	686	689	692	693	687	689	693	689	690	691	690	690	690	688	692	691	685	690	691	688	686	686	
TBIN	U004	982	934	842	822	824	824	823	822	823	822	823	823	822	823	820	822	823	822	873	981	981	981	985	980	983	983	981	982	981	983	982	981	981	982	982	981	983	982	982	981	983	982	983	982	982	982	982	982	981	981
Total ST-Coal		8342	8253	8059	8038	8038	7964	7940	7925	7971	8050	8052	8051	8043	8051	8052	8043	8063	8076	8268	8552	8760	8769	8739	8764	8743	8736	8736	8739	8766	8745	8758	8739	8747	8741	8736	8743	8730	8731	8788	8792	8819	8825	8860	8888	8908	8894	8913	8891		
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	354	356	359	362	362	360	362	362	361	219	216	220	222	311	333	236	254	365	365	364	359	366	363	365	360	362	365	363	362	362	366	359	358	358	361	363	357	360	362	365	362	364	364	362	362	362	362	367	367	357
GLGR	GT01	67	68	68	68	68	68	69	67	67	68	68	69	69	68	68	69	67	69	69	66	67	68	95	100	99	100	98	99	100	100	101	100	99	100	101	99	84	67	68	106	105	104	104	103	101	66	68	68	68	
GLGR	GT02	68	68	68	67	67	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	97	100	101	100	101	100	100	100	100	100	100	100	100	100	83	68	68	105	104	104	104	104	99	67	68	68	70	
GLGR	ST1C	71	71	71	71	71	71	71	71	71	70	71	71	71	71	70	71	70	71	70	71	70	84	90	90	90	90	90	90	90	90	90	90	90	90	85	71	71	91	93	93	93	93	93	72	71	70	68			
KLPP	GT13	120	121	120	107	70	69	69	69	69	69	69	68	72	68	69	68	108	107	141	139	142	145	148	147	149	147	148	148	148	148	148	148	148	147	147	148	148	148	149	147	147	145	147	145	148	147	147	147		
KLPP	GT14	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	151	149	149	152	154	158	159	160	158	159	158	158	158	158	159	159	159	159	159	159	159	158	158	158	159	157	156	156	157	157	158	157	157	
KLPP	GT15	124	124	125	117	72	73	74	74	74	74	74	74	78	81	74	73	75	113	114	144	142	144	143	147	147	151	146	146	150	149	146	146	146	147	147	146	148	148	149	149	148	147	146	146	145	145	147	147	147	
KLPP	ST17	191	151	127	127	93	90	89	89	90	90	89	89	90	90	93	90	98	173	190	202	206	206	208	210	209	209	208	208	208	208	208	208	211	211	209	209	208	207	209	209	209	209	210	211	209	209	206	206	209	211
MPSS	GT01	89	89	86	89	87	87	89	87	88	87	86	87	90	91	86	86	89	87	88	86	87	90	87	91	86	105	104	104	103	103	104	103	103	104	104	103	89	66	69	106	106	107	107	107	108	107	103	88		
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	38	38	37	36	37	37	37	37	36	36	38	38	38	36	35	38	38	37	38	41	39	43	42	105	114	114	114	114	114	114	114	114	114	114	101	69	68	103	115	116	116	116	49	53	52	40	40	40	40	
NPRI	BLK1	526	529	527	536	533	533	536	529	534	529	528	447	446	507	496	499	506	506	506	498	504	509	500	517	502	499	503	505	515	518	505	508	505	505	505	497	488	498	505	505	506	504	505	500	505	495	503	493	493	
NPRI	BLK2	528	532	528	536	533	537	537	530	535	472	392	398	397	507	498	500	506	507	505	498	518	524	500	517	502	496	503	505	517	521	505	510	506	506	505	498	489	497	505	505	505	505	507	500	505	497	505	494	494	
PCGP	PGRG	398	398	396	402	400	402	268	264	266	265	262	265	267	268	280	344	452	639	640	643	646	715	716	719	710	701	401	403	400	412	402	402	402	402	399	398	392	398	400	400	403	401	402	398	403	395	401	393	393	
PGLA	GT11	195	204	203	184	207	175	190	212	175	167	183	199	217	217	177	168	210	209	213	170	208	218	225	225</																										

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																								
TMGR	HY04	33	32	32	33	32	32	32	32	32	31	32	32	32	31	32	32	63	31	32	63	65	65	82	33	63	63	63	32	29	31	33	33	33	61	41	33	33	31	33	31								
UJLI	HY01	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	-1	-1	-1	-1	-1	101	92	92	90	93	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	-1	-1							
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	-1	-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	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	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					
Total Hydro		534	473	445	442	433	432	458	434	433	439	419	422	421	424	459	408	424	421	421	414	305	405	679	594	562	413	373	676	888	995	980	870	936	872	792	338	475	477	490	490	707	820	721	637	527	526	525	491
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			
PCUF	CUFG	12	10	11	12	11	12	12	12	11	11	12	13	13	13	12	12	12	8	-6	-6	-7	-7	-8	-9	-9	-9	-9	-8	-9	-9	-8	-9	-7	-8	-7	-7	-6	-7	-6	-6	-5	-6	-6	-6	-6	-6		
PCUF	CUFK	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	15	15	15	15			
Total Co-Gen		27	25	26	27	26	27	27	27	26	26	27	28	28	28	27	27	27	23	9	9	8	8	7	6	6	6	6	7	6	6	7	6	8	7	8	8	9	8	9	9	9	10	9	9	9	9	9	9
Total Gen		15235	14679	14387	14105	13870	13669	13471	13315	13157	12997	12953	12946	13157	13487	13168	13026	13537	14664	15341	15938	16340	16717	16919	17172	17031	16811	16785	17087	17366	17661	17645	17752	17817	17737	17438	16923	16344	15910	16053	16752	17110	17315	17118	17006	16626	16559	16345	15977
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			
TIE-HVDC		30	30	30	30	31	31	30	30	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	31	-99	-98	-98	-98	-98	-98	30	31	31	30	30	29	29	31	31	29	29	31	31		
TIE-PLTG		-20	-86	-39	-63	-59	-61	-72	-10	-29	-10	11	-30	-25	0	2	7	-38	-26	-42	13	-20	-60	-16	-5	8	-27	3	-11	8	-16	-30	0	10	58	11	81	49	-7	28	-16	-29	31	-19	18	-64	-41	-13	-35
Interconnection		10	-56	-9	-33	-29	-30	-42	20	2	21	42	1	5	30	32	38	-7	5	-13	43	10	-31	14	25	38	3	33	19	39	-115	-127	-97	-88	-40	-87	111	80	24	58	14	0	61	12	49	-34	-11	18	-4
System Total		15225	14735	14396	14138	13899	13699	13513	13295	13155	12976	12911	12945	13152	13457	13136	12988	13544	14659	15354	15895	16330	16748	16905	17147	16993	16808	16752	17068	17327	17776	17772	17849	17905	17777	17525	16812	16264	15886	15995	16738	17110	17254	17106	16957	16660	16570	16327	15981
SRev ST-Coal		129	218	283	273	273	348	271	286	239	385	382	384	387	379	69	78	58	45	63	-21	151	142	172	147	168	175	175	172	145	166	153	172	164	170	175	168	181	180	153	169	172	186	171	173	203	187	168	190
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	53	59	13	10	11	12	141	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		752	656	655	914	1139	1266	1466	1583	1785	2030	2057	2067	1847	1528	1882	1964	1489	771	956	636	571	393	434	228	316	541	207	212	171	141	385	194	208	216	430	369	747	1183	1111	416	302	217	349	405	695	504	468	780
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	
SRev Co-Gen		18	20	19	18	19	18	18	18	19	19	18	17	17	17	18	18	18	22	36	36	37	38	39	39	39	39	38	39	39	38	39	37	38	37	37	36	37	36	36	36	35	36	36	36	36	36	36	
Syncon		1164	1164	1063	1063	1063	1250	1099	1250	1099	1250	1250	1250	1250	948	1250	1250	1250	1250	964	964	403	777	777	862	963	878	626	439	439	741	741	741	651	802	953	953	953	766	615	615	615	700	937	937	1188	1188		
Hydro		119	118	61	64	68	68	198	71	72	217	86	83	84	81	348	97	81	84	84	91	436	386	673	384	416	480	419	351	491	571	586	394	328	392	437	390	202	200	187	188	456	343	442	391	180	157	156	165
S.Reserve Total		2182	2176	2081	2332	2562	2950	3052	3208	3365	3750	3793	3801	3585	3255	3265	3407	2896	2172	2389	1992	2159	1922	1720	1575	1716	2097	1803	1651	1472	1409	1660	1553	1488	1568	1742	1907	2119	2553	2440	1575	1581	1396	1613	1705	2051	1821	2016	2359