

Daily System Generation Summary on Thursday

Thursday, July 16, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,326 MW
Distillate	0 MW
Total TNB	2,326 MW
Total IPP	17,570 MW
Total Co-Gen	0 MW
Total System	22,719 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,913	4.98 %
Gas	36,483	10.14 %
Total TNB	54,396	15.12 %
ST-Coal	210,919	58.64 %
LSS	1,993	0.55 %
Gas	91,799	25.52 %
Total IPP	304,711	84.72 %
Co-Gen	338	0.09 %
Total Co-Gen	338	0.09 %
Total Generation	359,445	99.94 %
PLTG	-214	-0.06 %
Interconnection	-214	-0.06 %
Net Energy	359,659	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,478 MW
TNB Generation	2,915 MW
IPP Generation	13,982 MW
Spinning Reserve	1,559 MW
Maximum Demand	16,944 MW
Net Energy	359,659 MWH
Load Factor	88.44 %

Fuel Cost

Total Cost:	56,259,407.32 RM
Cost per Unit	15.65 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	522
Hydro	725
Syncon	359
Thermal	198
Total	1,804

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	197
Total TNB	245
CBPS	50
KLPP	47
NPRI	147
PGLA	107
PLPS	80
SGB3	67
SKSP	34
YPKA	32
Total IPP	564
Total Gas	809
Total Gas Required	809

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	14690	14114	13545	13193	12856	12662	12909	12953	13417	15227	15975	16534	16495	16290	16788	16934	16653	16234	15108	15016	15976	15915	15400	15060

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 04, 2020 2:18:53 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	691	693	692	692	691	619	500	452	487	552	593	692	692	693	696	691	693	693	692	693	693	693	693	695	692	693	695	692	693	695	693	694																
JMAH	U002	693	694	696	694	693	649	500	453	452	508	502	504	660	701	693	693	697	694	693	698	693	695	693	694	694	696	696	692	693	694	692	694	692	695	696	693	691	695	695	693	694							
JMHE	U001	847	777	779	780	780	783	781	781	781	780	781	782	779	780	781	780	779	793	962	959	960	959	961	960	958	960	958	960	959	960	955	960	963	959	959	959	959	954	959	959	956	850						
JMHE	U002	847	778	780	779	779	784	776	782	779	780	781	781	781	779	783	781	778	789	961	960	960	957	960	958	958	960	960	959	961	961	961	957	959	958	961	957	958	960	954	961	960	956	852					
JMIG	U001	673	671	670	673	668	672	671	674	673	668	674	671	673	672	671	677	672	670	671	672	676	669	666	676	679	673	667	677	672	673	671	674	671	656	671	670	672	673	671	673	671	672	670	671	672	672		
JMIG	U002	672	673	673	673	673	676	667	672	675	670	673	666	685	666	683	666	679	678	678	670	666	634	679	668	669	672	678	668	674	678	668	675	670	668	671	674	669	673	672	669	674	677	674	672	601	583	590	666
JMIG	U003	663	667	662	662	662	664	665	665	667	666	666	666	663	662	662	658	667	658	667	665	664	664	664	623	629	675	667	668	667	666	664	664	649	589	592	592	596	593	594	593	589	589	587	589	591	590	589	631
JMIG	U004	271	304	303	302	332	362	396	488	0	0	0	0	0	0	0	0	0	0	0	0	0	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	U003	282	282	283	282	281	282	281	283	281	281	280	282	283	282	280	281	282	280	282	281	279	279	280	279	279	282	282	279	268	192	145	149	170	256	282	282	282	282	282	285	283	280	282	281	281	281	282	
PKLG	U004	282	282	281	279	279	279	280	278	280	278	281	282	282	280	281	281	280	279	279	280	280	280	280	280	281	278	280	280	278	278	282	280	278	279	278	279	278	281	269	279	279	278	277					
PKLG	U005	466	467	467	468	473	466	467	468	468	466	468	468	469	466	466	466	466	468	467	467	467	466	468	466	468	466	464	468	468	468	468	466	466	466	466	468	466	467	466	468	465	466	466	460	467			
PKLG	U006	449	446	448	446	447	449	445	445	451	451	446	447	449	446	448	448	445	449	447	448	452	451	448	447	451	450	446	448	448	448	448	446	451	449	446	446	445	448	446	444	445	447	449	450	452	451	449	446
TBIN	U001	600	599	649	687	687	689	689	688	690	687	688	689	687	688	689	691	688	687	688	688	687	689	688	688	689	688	688	689	688	689	688	689	688	688	686	685	689	687	687	689	687	689	687	689	688	688	688	
TBIN	U002	691	691	691	693	692	695	694	692	689	693	694	694	692	693	691	694	691	693	693	691	694	693	691	691	690	694	693	691	693	690	699	692	690	693	695	690	692	695	692	692	694	693	687	695	693	693	693	692
TBIN	U003	690	692	693	691	690	692	693	692	693	692	693	693	693	692	694	692	691	694	693	693	691	691	690	694	693	691	693	691	695	693	689	692	694	691	691	691	691	694	692	692	691	691	692	691	697	693	690	693
TBIN	U004	851	779	702	688	608	574	390	206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-Coal		9668	9495	9469	9489	9435	9335	8895	8720	8064	8175	8179	8215	8489	8499	8516	8501	8508	8528	8868	8865	8867	8818	8862	8813	8837	8875	8865	8864	8863	8858	8780	8729	8705	8678	8754	8771	8770	8795	8795	8781	8789	8790	8785	8763	8727	8705	8688	8604
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
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
CBPS	BLK2	344	344	234	219	219	207	221	223	222	223	221	228	224	264	286	345	352	352	355	348	348	355	352	350	348	348	350	353	353	353	353	350	349	362	342	338	346	355	348	348	348	348	353	351	351	355	349	349
GLGR	GT01	68	68	68	68	68	69	69	69	68	68	67	70	68	68	68	69	68	79	102	102	103	103	101	85	68	68	68	89	103	102	103	104	102	103	82	68	68	69	69	70	68	69	69	68	70	87	85	86
GLGR	GT02	68	68	68	68	68	69	68	69	68	68	68	68	68	69	68	68	68	80	102	103	103	102	103	84	68	68	68	91	103	102	103	103	102	103	81	69	68	68	69	69	69	68	68	68	69	86	86	86
GLGR	ST1C	70	71	71	71	71	70	70	71	71	71	71	71	71	71	70	71	71	73	90	91	91	90	83	70	71	70	70	80	90	90	90	91	91	90	83	70	71	71	71	71	70	71	71	71	82	82	82	
KLPP	GT13	115	113	119	114	119	119	120	117	123	123	119	124	119	120	118	118	119	120	119	119	119	121	119	119	116	117	118	118	133	133	134	134	133	133	132	132	114	111	123	124	107	9	0	0	0	0	0	0
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	0	19	45	150	152	154	156	157	158	155	156	155	61	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	85	155	145	145	151	154	145	145	145		
KLPP	ST17	51	52	51	51	51	52	51	51	52	52	51	51	53	49	52	53	64	63	63	61	60	63	63	61	61	60	145	140	140	141	141	138	138	140	140	107	78	53	121	132	83	57	60	59	59	59	59	
NPRI	BLK1	489	500	502	499	311	303	323	319	505	506	503	509	505	506	503	501	505	506	505	499	506	505	506	506	500	505	504	505	505	506	505	504	502	503	500	496	487	506	510	506	502	505	505	498	505	505	499	502
NPRI	BLK2	470	503	505	322	322	313	462	448	505	476	386	525	472	498	376	325	465	525	508	500	509	506	507	508	502	506	507	508	508	508	507	508	504	505	502	498	489	508	511	507	503	508	508	502	507	508	502	505
PCGP	PGRG	182	182	180	182	181	183	181	181	602	602	601	607	602	602	600	600	603	604	603	594	603	600	603	603	594	602	603	603	603	603	603	598	602	597	589	576	604	608	603	597	602	602	595	604	603	595	598	
PGLA	GT11	161	165	167	165	165	159	167	166	167	168	168	168	167	168	167	168	168	213	203	199	214	214	214	214	212	214	213	213	215	214	214	216	216	216	215	209	161	168	190	214	214	216	215	213	201	167	0	0
PGLA	GT12	189	193	194	193	192	187	195	195	195	195	198	196	196	195	194	196	246	233	229	244	243	243	243	241	243	243	244	242	242	244	245	242	243	242	237	188	195	218	244	242	244	244	241	228	195	192	196	
PGLA	ST																																																

Daily MW Generation on Thursday

[illegible]

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	24	22	31	27	38	42	35	47	49	11	49	8	45	41	9	29	14	9	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</