

Daily System Generation Summary on Tuesday

Tuesday, May 26, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	16,855 MW
Total Co-Gen	0 MW
Total System	21,995 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,010	3.80 %
Gas	24,392	8.42 %
Total TNB	35,402	12.22 %
ST-Coal	196,001	67.66 %
LSS	1,537	0.53 %
Gas	57,428	19.82 %
Total IPP	254,966	88.01 %
Co-Gen	158	0.05 %
Total Co-Gen	158	0.05 %
Total Generation	290,526	100.28 %
PLTG	167	0.06 %
HVDC	658	0.23 %
Interconnection	825	0.28 %
Net Energy	289,701	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:	20:00:00 Hour
Total Set On Bus	15,854 MW
TNB Generation	2,269 MW
IPP Generation	11,492 MW
Spinning Reserve	2,087 MW
Maximum Demand	13,759 MW
Net Energy	289,701 MWH
Load Factor	87.73 %

Fuel Cost

Total Cost:	44,828,536.78 RM
Cost per Unit	15.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	304
Syncon	1,222
Thermal	464
Total	2,483

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
SRDG	4
TJGS	165
Total TNB	169
CBPS	43
NPRI	151
PGLA	22
PLPS	53
YPKA	55
Total IPP	322
Total Gas	491
Total Gas Required	491

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	13271	12691	12142	11770	11407	11128	10942	10646	10430	10979	11465	11751	11923	11785	11990	12106	12195	12192	12043	12426	13759	13684	13531	13424

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 12:21:01 PM

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

Daily MW Generation on Tuesday

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	693	694	694	694	693	692	691	692	691	692	693	693	691	692	693	693	691	692	691	694	691	694	689	696	690	691	690	692																					
JMAH	U002	689	694	696	690	696	693	694	695	693	695	697	691	695	693	696	610	675	694	693	699	694	695	694	693	692	694	691	694	688																					
JMHE	U002	847	850	849	784	780	780	781	781	779	780	778	777	782	780	777	779	781	780	776	778	780	780	780	799	798	798	900	898	902																					
JMJG	U001	593	595	598	602	600	596	598	593	591	593	594	590	593	595	588	604	587	593	590	586	585	596	589	598	596	593	593	594	594																					
JMJG	U002	670	662	674	676	672	673	671	674	672	679	669	675	671	672	666	671	673	673	676	671	673	668	677	678	667	676	673	673	671																					
JMJG	U003	667	665	668	667	670	662	667	670	666	668	671	665	666	669	671	667	668	669	666	665	667	662	669	667	665	669	667	668	680																					
JMJG	U004	851	851	806	782	783	785	785	783	782	787	785	785	783	783	782	785	785	785	785	785	782	785	804	804	805	803	803	803	900																					
PKLG	U003	283	282	281	282	284	284	285	282	281	282	284	282	284	283	215	204	278	282	281	282	281	282	282	281	283	283	282	281	283																					
PKLG	U004	280	280	280	281	280	286	281	276	277	282	279	282	279	281	281	210	206	275	281	278	280	278	278	280	278	280	281	281	281																					
PKLG	U005	465	466	463	464	466	467	468	466	465	466	469	469	470	469	403	359	417	467	467	467	470	468	468	467	467	468	464	468	470																					
PKLG	U006	445	449	449	449	447	449	448	447	447	448	448	450	451	445	450	449	448	447	447	448	446	447	451	448	445	447	445	449	446																					
TBIN	U001	550	498	500	451	451	427	454	449	450	430	402	400	402	404	404	402	350	351	352	401	451	501	499	550	518	521	521	522	501																					
TBIN	U002	542	501	503	454	451	427	402	404	403	404	405	403	349	353	355	354	353	353	354	390	431	456	454	555	507	503	503	503	502																					
TBIN	U004	852	845	782	782	782	783	782	781	783	783	785	782	783	781	782	782	782	783	782	782	783	779	804	801	802	803	804	803	802	903																				
Total ST-Coal		8427	8331	8243	8058	8056	8005	8009	7995	7981	7988	7955	7942	7899	7905	7898	7549	7562	7787	7844	7923	8015	8092	8094	8320	8219	8223	8231	8221	8261	8254	8266	8285	8209	8196	8213	8195	8202	8216	8206	8438	8556	8554	8561	8546	8567	8497	8501	8513		
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	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	0
CBPS	BLK2	0	0	0	13	13	15	20	47	98	46	102	220	369	366	366	369	352	302	302	362	362	363	363	362	362	362	362	362	362	362	362	362	362	347	362	358	358	362	362	362	363	363	354	354	362	362	354	362	354	
NPRI	BLK1	512	517	508	508	512	512	508	515	515	515	511	495	515	514	445	321	320	520	518	520	521	519	520	516	519	517	508	519	521	520	520	516	518	499	518	519	520	520	529	523	520	521	520	511	510	520	520	516		
NPRI	BLK2	466	520	476	436	502	500	497	505	502	503	499	483	506	478	325	410	499	473	496	520	526	517	518	513	517	514	484	515	517	517	517	514	518	469	514	516	517	516	526	518	518	517	517	506	488	517	517	512		
PCGP	PGRG	397	404	395	395	398	400	397	403	401	401	398	397	401	403	399	404	400	400	403	402	403	402	401	398	400	396	387	399	402	400	399	395	401	389	399	401	402	402	413	407	403	401	401	394	396	400	401	396		
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	84	140	140	152	168	138	136	244	202	163	164	242	239	239	240	239	238	235	239	240	241			
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	104	92	83	83	84	107	108	108	109	109	108	108	109	107				
PLPS	GT11	142	142	142	140	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	142	142	142	138	140	141	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	140	140	142	139	140	137	134	138	124	125	124	119	124	123	122	123	124	124	125	125	125	125	124	124	124	120	125	124	124	125	125	124	119	125	125	124	121	125	130	127	126	126	123	123	127	127	127	127		
PLPS	ST18	212	212	212	211	213	170	129	61	57	58	58	57	59	59	58	59	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	58	59	58	143	144	143	143	143	143	142	141	142	142	141	142	142
TJGS	GT1A	228	228	227	227	191	217	179	226	231	231	198	168	122	125	129	123	120	152	173	230	217	203	190	222	208	189	205	234	215	198	226	229	177	201	193	230	227	232	229	230	205	190	221	193	211	213	189			
TJGS	GT1B	223	223	219	223	187	215	176	217	214	220	188	164	116	120	115	125	115	121	148	169	219	215	201	184	219	205	181	197	212	217	192	216	220	170	196	189	216	217	214	216	220	200	185	216	190	201	208	181		
TJGS	ST1C	250	250	250	250	237	228	220	229	229	226	222	203	167	163	163	163	164	169	173	172	227	229	223	220	234	223	210	223	231	231	235	236	244	205	218	218	231	248	235	228	243	242	227	239	222	244	235	217		
TJGS	GT2A	8	19	19	63	63	63	204	225	225	225	225	153	153	153	154	152	153	153	153	192	222	222	222	222	222	222	222	222	222	222	222	222	124	225	197	203	147	196	219	219	219	218	218	218	218	218	218	218	218	
TJGS	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	41	118	220	194	199	142	191	215	215	215	215	215	215	215	215	215	215	215	
TJGS	ST2C	0	0	0	0	18	18	96	122	122	124	124	124	98	98	98	98	98	98	98	114	123	123	123	123	123	123	123	123	123	123	123	105	261	258	249	214	220	261	261	261	261	261	261	261	261	261	261	261	261	
YPKA	GT11	127	128	126	127	127	127	126	128	127	100	99	67	67	67	67	67	67	67	67	67	68	100	125	123	124	79	64	64	99	99	125	120	66	63	63	64	64	124	125	125	125	125	125	125	125	124	124	124	124	
YPKA	GT12	129	129	128	128	128	128	127	129	101	101	68	68	68	67	68	68	67	68	68	101	126	126	126	126	79	64	64	101	100	100	126	121	67	64	64	64	64	128	128	128	128	127	126	129	128	128	128			
YPKA	ST10	123	123	121	120	121	120	120	121	102	100	80	79	79	78	78	78	79	80	80	81	101	120	120	122	121	93	77	77	101	102	102	114	118	79	76	75	74	74	118	119	119	119	118	118	119	119	118	118	119	118
Total C																																																			

Daily MW Generation on Tuesday

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
KNRG	HY01	36	36	36	36	36	36	36	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	37	37	37	37	37	37	37	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	36	36	36	36	35	36	36	23	24	23	23	24	24	24	24	24	24	24	24	25	25	24	24	37
KNYR	HY01	98	99	99	99	99	99	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	101	100	99
KNYR	HY02	98	98	98	98	98	98	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	99	98	98
KNYR	HY03	99	99	99	99	99	99	99	59	59	59	55	58	60	61	60	60	60	58	58	58	61	62	100	99
KNYR	HY04	99	99	100	100	100	99	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	59
LPIA	HY01	22	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18
LPIA	HY02	22	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	17
MNOR	HY01	8	8	8	8	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	7	7	7
PGAU	HY01	20	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	79	21	20	-1	18	18	-1	-1	19	18	-1	-1	21	-1	-1	21	-1	-1	-1	19	-1	18	-1	-1
PGAU	HY03	-1	-1	21	21	21	21	21	21	15	-1	-1	-1	22	21	-1	18	19	-1	-1	-1	-1	18	-1	-1
PGAU	HY04	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	21	
SIHY	HY01	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	49	49	0
SIHY	HY02	50	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	0
SIHY	HY03	50	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	6
SYPS	HY01	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	0
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	0
SYPS	HY03	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	0
SYPS	HY04	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17
TMGR	HY01	82	62	62	62	58	58	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	62	32	32
TMGR	HY02	33	33	32	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	33	34	33
TMGR	HY03	80	60	59	59	60	31	30	31	31	31	26	31	31	30	31	31	31	29	31	31	31	31	31	31
TMGR	HY04	82	61	60	60	61	61	60	61	31	32	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	8	99	97	-1
UJLI	HY02	96	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	100	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	5
UPIA	HY02	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3
Total Hydro		1583	1130	1161	1141	955	893	766	411	330	260	240	212	206	209	203	218	210	189	207	230	189	188	208	209
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	2	3	2	5	5	4	3	4	3	3	3	4	4	2	2	3	4	3	3	3	4	2	4	4
PCUF	CUFK	2	3	2	3	3	3	4	4	3	2	3	2	4	3	3	6	3	3	5	2	4	3	2	3
Total Co-Gen		4	6	4	8	8	7	7	8	6	5	6	5	8	6	7	11	6	7	9	4	6	5	8	7
Total Gen		13271	12901	12693	12388	12149	11896	11784	11480	11412	11230	11150	11030	10955	10936	10688	10357	10431	10799	11009	11248	11503	11695	11785	11947
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

Daily MW Generation on Tuesday

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		
TIE-HVDC		0	0	0	0	30	31	31	31	31	29	29	30	30	30	30	30	30	30	30	30	29	29	29	29	30	30	31	31	30	30	31	31	30	30	30	30	30	29	29	30	30	30	30	29	29	30			
TIE-PLTG		8	-51	10	5	-14	-4	-9	-37	-17	-5	0	44	-9	-21	20	-51	-21	37	8	28	14	35	12	44	-1	29	8	3	10	37	20	20	-50	61	47	15	33	30	-21	14	-12	12	-4	-9	3	3	32	32	
Interconnection		8	-51	10	5	15	27	22	-6	13	24	30	74	21	8	50	-21	9	67	38	58	45	64	41	73	28	59	38	34	40	67	49	50	-20	92	77	45	63	60	8	43	16	42	26	21	33	32	61	62	
System Total		13271	12960	12691	12391	12142	11877	11770	11494	11407	11214	11128	10964	10942	10936	10646	10386	10430	10740	10979	11197	11465	11638	11751	11882	11923	11847	11785	11930	11990	12080	12106	12134	12195	12275	12192	12115	12043	12142	12426	13368	13759	13753	13684	13664	13531	13488	13424	13261	
SRev ST-Coal		459	458	477	480	478	480	480	492	501	479	483	488	485	479	488	704	612	547	488	498	500	494	487	477	495	490	483	496	491	492	491	494	493	499	480	496	495	477	492	413	391	391	386	397	377	397	397	385	
SRev OCGT-Gas		91	-8	71	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		538	273	343	422	430	426	607	442	329	447	475	553	865	891	1127	1139	1088	956	867	739	512	414	379	427	334	396	655	563	505	414	436	605	636	545	646	714	783	663	545	323	309	358	405	379	474	353	352	446	
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			
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		6	4	6	2	2	3	3	2	4	5	4	5	2	4	3	0	4	3	1	6	4	5	2	3	4	5	3	1	1	2	2	3	0	0	2	0	2	1	2	1	2	2	0	1	2	2	0	0	
Syncon		151	525	525	676	651	651	928	1217	1066	1066	1217	1153	1304	1304	1304	1153	1304	1455	1304	1153	1455	1455	1304	1304	1455	1455	1304	1304	1455	1304	1304	1455	1304	1455	1304	1455	1455	1304	1304	1268	929	792	641	828	979	979	864	1166	1166
Hydro		760	589	558	427	488	463	313	279	511	453	322	414	269	266	272	408	265	135	268	397	136	137	268	266	136	135	270	269	137	265	268	265	135	278	140	139	266	265	310	688	593	675	533	417	463	623	361	418	
S.Reserve Total		2005	1841	1980	2067	2074	2023	2331	2432	2411	2450	2501	2613	2925	2944	3194	3404	3273	3096	2928	2793	2607	2505	2440	2477	2424	2481	2715	2633	2589	2477	2501	2671	2719	2626	2723	2804	2850	2710	2616	2355	2087	2065	2152	2173	2295	2239	2278	2415	