

Daily System Generation Summary on Tuesday

Tuesday, November 05, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,367 MW
Distillate	0 MW
Total TNB	2,367 MW
Total IPP	14,614 MW
Total Co-Gen	0 MW
Total System	18,800 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,842	5.67 %
Gas	35,385	9.63 %
Total TNB	56,227	15.30 %
ST-Coal	202,540	55.13 %
ST-Gas	6,936	1.89 %
LSS	2,303	0.63 %
Gas	98,128	26.71 %
Total IPP	309,907	84.35 %
Co-Gen	1,141	0.31 %
Total Co-Gen	1,141	0.31 %
Total Generation	367,275	99.96 %
PLTG	-136	-0.04 %
Interconnection	-136	-0.04 %
Net Energy	367,411	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:	16:00:00 Hour
Total Set On Bus	18,471 MW
TNB Generation	3,238 MW
IPP Generation	13,958 MW
Spinning Reserve	1,227 MW
Maximum Demand	17,279 MW
Net Energy	367,411 MWH
Load Factor	88.60 %

Fuel Cost

Total Cost:	71,007,970.01 RM
Cost per Unit	19.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	325
Hydro	744
Syncon	268
Thermal	206
Total	1,543

Gas Usage

Station	(mmscfd)
GLGR	17
PAKA	29
PGPS	49
SRDG	7
TJGS	167
Total TNB	269
CBPS	55
KLPP	99
MPSS	58
NPRI	0
PGLA	114
PKLG	27
PLPS	99
PTEK	30
SGB3	96
SKSP	52
YPKA	30
PKLG	72
Total IPP	731
Total Gas	1,001
Total Gas Required	1,001

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

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	14589	13862	13443	13006	12827	12727	12982	12865	13550	15353	16217	16816	16701	16412	16912	17247	17279	16776	15933	16363	16723	16541	16040	15588

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 05, 2019 8:20:39 AM

(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	690	691	694	692	690	690	693	692	692	691	692	691	693	689	692	695	693	694	691	692	692	693	693	690	693	690																						
JMAH	U002	686	694	694	694	694	692	692	695	694	695	696	696	694	688	694	694	693	693	696	701	693	692	695	695	693	694																						
JMHE	U001	871	871	794	794	790	790	790	790	790	790	790	790	780	780	780	853	851	904	898	897	923	958	965	958	958	961																						
JMJG	U003	665	671	669	669	664	671	672	666	667	668	666	662	662	670	668	662	667	670	669	666	665	668	668	667	667	668																						
JMJG	U004	865	863	782	783	785	782	783	785	785	785	785	783	783	785	785	857	856	900	900	898	957	962	963	961	959	962																						
JMJG	U005	859	858	780	778	782	782	777	780	778	780	782	780	781	782	779	778	782	855	853	891	900	900	955	958	960	961																						
PKLG	U004	282	280	279	279	279	278	278	285	280	279	283	281	283	281	281	280	279	275	280	281	278	279	281	280	279	278																						
PKLG	U005	466	466	468	464	467	471	467	464	466	465	467	474	468	468	466	467	468	467	464	469	466	466	466	465	467	473																						
TBIN	U001	689	686	687	689	687	687	686	687	687	686	686	687	686	687	688	685	686	686	687	690	686	688	687	686	688	689																						
TBIN	U002	695	692	694	691	693	693	694	692	691	691	693	692	693	692	691	691	693	691	690	694	697	695	691	692	698	693																						
TBIN	U003	692	689	692	692	695	689	689	692	695	693	691	693	691	692	693	692	681	687	692	691	690	689	691	692	691	693																						
TBIN	U004	863	862	783	783	782	781	783	782	781	782	784	783	782	782	783	782	853	852	891	903	902	948	964	963	962	962																						
Total ST-Coal		8323	8323	8016	8008	8008	8006	8004	8010	8006	8005	8013	8015	8006	8006	8014	7993	7986	7990	8285	8293	8454	8472	8470	8657	8721	8714	8716	8721	8722	8718	8748	8742	8739	8754	8734	8731	8738	8748	8762	8749	8746	8751	8732	8748	8749	8753	8742	8742
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
PKLG	U001	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	143	143	143	143	143	143	143	143	143	144	144	144	144	144	144	144	144	144	144	144	144	144			
PKLG	U002	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	147	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146			
Total ST-Gas		288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	291	290	289	290	290	290	290	290	289	289	289	289	289	289	290	290	290	290	290	290	290	290	290	290	290	290	290		
CBPS	BLK2	354	355	360	355	360	367	361	359	364	361	361	357	364	362	362	361	361	365	359	363	355	360	357	357	362	357	358	359	358	361	358	362	362	363	361	358	358	359	363	363	363	359	360	358	359	362	357	350
KLPP	GT13	113	126	127	126	125	117	72	72	74	74	74	73	76	73	102	107	106	108	132	130	133	132	132	133	135	135	136	133	134	124	133	132	123	133	117	119	117	133	122	133	127	114	120	112	113	110		
KLPP	GT14	127	116	22	0	0	0	0	0	0	0	0	0	0	0	7	61	153	153	154	153	154	154	156	145	155	154	154	136	154	154	143	140	153	131	130	134	155	134	155	140	124	129	122	122	122			
KLPP	GT15	127	147	147	143	143	127	105	83	83	85	85	89	90	86	114	118	120	120	154	152	153	149	149	153	153	145	156	151	152	136	153	154	146	139	154	130	129	132	152	132	153	141	124	133	125	124	124	
KLPP	ST17	189	197	168	128	128	124	103	88	87	88	88	89	92	90	108	120	116	187	211	208	203	204	204	204	202	203	203	203	203	203	201	195	203	195	191	191	205	195	203	191	191	195	191	191	189			
MPSS	GT01	101	101	66	71	69	70	70	70	69	70	71	71	70	72	70	70	82	104	103	104	104	104	104	102	104	103	103	104	103	104	103	102	103	103	103	105	102	104	103	104	103	104	104	74				
MPSS	GT02	101	100	69	70	71	70	71	70	71	72	70	72	70	73	82	103	104	104	104	102	102	102	102	103	101	103	103	101	101	101	104	103	102	101	103	104	104	103	102	104	103	103	103	104	75			
MPSS	ST01	104	105	75	65	66	66	66	66	64	64	64	64	64	64	64	70	107	108	108	109	110	110	109	110	111	111	112	112	112	112	112	111	110	110	110	110	110	110	111	110	110	110	110	84				
NPRI	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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				
PAKA	GT4A	94	94	85	85	85	85	85	85	85	85	84	85	85	85	84	85	93	92	91	92	90	91	92	90	91	91	91	91	92	92	92	93	94	93	93	93	93	94	94	94	93	93	94	93	94	85		
PAKA	ST4C	42	42	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38			
PCGP	PGRG	589	588	603	596	586	621	592	603	603	603	595	605	609	602	587	605	612	607	597	603	592	605	583	587	592	603	595	601	609	605	602	605	603	599	606	586	588	599	611	612	605	604	603	601	598	598	581	
PGLA	GT11	216	217	219	218	216	214	197	193	216	213	207	208	214	203	174	184	216	213	176	212	178	209	189	187	204	210	202	210	210	210	217	216	226	222	220	219	222	225	226	223	223	222	222	224	224	211		
PGLA	GT12	231	232	234	233	232	230	210	207	230	228	221	225	227	217	186	200	230	228	192	227	193	224	203	202	218	225	216	224	224	223	225	232	237	237	234	234	236	240	238	238	238	238	236	237	234	223		
PGLA	ST10	238	241	242	240	240	235	231	226	226	229	226	230	232	227	211	223	229	229	205	231	219	238	233	221	232	237	232	236	238	238	234	243	243	250	248	250	251	251	246	249	248	248	248	249	246	246	242	
PGPS	GT3A	88	87	66	66	65	66	66	66	65	66	66	65	65	66	66	66	88	87	88	88	87	87	88	88	87	88	88	87	87	87	87	88	88	87	88	88	87	88	88	87	88	87	88	65				
PGPS	GT3B	90	89	68	67	67	68	67	67	67	67	67	68	68	67	67	67	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	89	89	89	88	88	88	88	88	88	88	88	66			
PGPS	ST3C	84	85	63	61	61	61	61	61	61	61	61	61	61	61	61	61	70	84	84	85	85	86	86	83	83	83	85	85	85	86																		

Daily MW Generation on Tuesday

[illegible]

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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	-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	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	5	5	5	5	5	5	5	
Total Hydro		590	517	497	497	457	215	213	213	213	212	212	215	351	212	212	338	826	817	1080	1184	1402	1530	1589	1238
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	13	16	19	21	24	25	26	27
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	20	26	36	39	33	36	12	12	5
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	12	23	29	32	32	45	35	30	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	14	18	14	35	24	43	42	50	34	50
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	15	23	29	35	30	42	49	32	42
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	15	20	26	32	36	16	39	24	21
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	19	24	22	35	40	38	35	41	50
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	7	11	32	41	47	50	18	15	17
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	18	24	32	35	39	42	44	43
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	1	22	59	119	176	228	300	298	333	297	274
PCUF	CUFG	32	32	32	32	31	32	33	31	31	33	31	32	33	32	31	32	30	32	31	31	31	32	32	32
PCUF	CUFK	18	16	15	17	16	18	18	17	16	18	18	17	16	17	16	17	15	14	16	15	15	16	17	16
Total Co-Gen		50	48	47	49	47	50	51	48	47	51	49	49	49	48	50	49	46	46	46	47	46	47	48	49
Total Gen		14605	14165	13856	13627	13442	13334	13017	12902	12806	12784	12741	12775	12974	13197	12908	12961	13542	14682	15328	15903	16177	16608	16833	17007
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
TIE-HVDC		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		20	17	-2	-14	3	-38	15	-22	-17	13	18	-27	-4	6	47	8	-4	2	-21	-34	-36	-7	21	-74
Interconnection		20	17	-2	-14	3	-38	15	-22	-17	13	18	-27	-4	6	47	8	-4	2	-21	-34	-36	-7	21	-74
System Total		14589	14152	13862	13645	13443	13376	13006	12928	12827	12775	12727	12806	12982	13195	12865	12957	13550	14684	15353	15941	16217	16619	16816	17085
SRev ST-Coal		469	471	458	465	466	465	464	462	463	465	461	456	465	465	463	468	476	474	254	246	236	425	425	242
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	42	3	78	7	54	167	166
SRev CCGT-Gas		598	631	538	608	751	618	860	978	1069	1094	1142	1110	905	818	976	1078	682	327	434	269	375	210	324	313
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1
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
SRev Co-Gen		15	17	18	16	18	15	14	17	18	14	16	16	16	17	15	16	19	19	19	18	17	16	17	18
Syncon		951	951	1102	1102	1102	1203	1203	1203	1203	1203	1203	1203	1102	1203	1203	1203	1016	676	676	374	374	187	187	0
Hydro		477	417	286	286	326	288	290	290	290	291	291	288	253	291	291	328	383	525	664	635	629	501	779	943
S.Reserve Total		2510	2487	2402	2477	2663	2589	2831	2950	3043	3066	3113	3076	2877	2654	2950	3055	2542	1879	1942	1614	1641	1549	1463	1407