

Daily System Generation Summary on Tuesday

Tuesday, July 26, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,596 MW
Hydro	2,039 MW
Distillate	0 MW
Total TNB	<u>5,635 MW</u>
Total IPP	<u>13,575 MW</u>
Total Co-Gen	0 MW
Total System	<u>19,774 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	58,083	17.08 %
Hydro	10,766	3.17 %
Total TNB	68,849	20.25 %
ST-Coal	152,037	44.71 %
Gas	118,679	34.90 %
Total IPP	270,716	79.62 %
Co-Gen	325	0.10 %
Total Co-Gen	325	0.10 %
Total Generation	339,890	99.96 %
PLTG	-846	-0.25 %
HVDC	722	0.21 %
Interconnection	-124	-0.04 %
Net Energy	340,014	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,493 MW
TNB Generation	3,592 MW
IPP Generation	12,365 MW
Spinning Reserve	1,522 MW
Maximum Demand	16,011 MW
Net Energy	340,014 MWH
Load Factor	88.48 %

Fuel Cost

Total Cost:	47,280,754.85 RM
Cost per Unit	14.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	362
Hydro	441
Syncon	581
Thermal	232
Total	1,616

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	59	Total	0
GLGR	32		
PAKA	58		
PGPS	44		
SRDG	30		
TJGS	221		
Total TNB	443		
KLPP	104		
MPSS	46		
NPRI	159		
PDPS	20		
PGLA	113		
PKLG	19		
PLPS	100		
PTEK	38		
SGB3	67		
SGRI	202		
SKSP	52		
Total IPP	921		
Total Gas	1,365		
Total Gas Required	1,365		

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	13797	12994	12615	12288	11998	11822	11973	12032	12442	14288	15214	15677	15495	15149	15648	15915	16011	15596	14654	14387	15335	15148	14762	14221

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Printed on: Wednesday, July 27, 2016 7:57:00 AM
 (Gurcharan Singh)
 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																										
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	16	16	16	25	25	25	25	25	16	0	0	0	0	16	16	16	16	0	0	0	0	0	0											
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	25	25	25	25	25	16	0	0	0	0	16	16	16	16	0	0	0	0	0	0											
TMGR	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											
TMGR	HY02	30	29	30	31	28	26	33	27	31	33	33	37	35	32	35	37	34	33	37	83	83	83	81	79	79	31	36	36	35	85	84	84	85	84	83	82	31	33	34	41	84	83	34	35	32	36	32	31		
TMGR	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	0			
TMGR	HY04	-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	-1			
UJLI	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	0	0		
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	5	5	5	5	5	5		
Total Hydro		183	176	181	160	154	147	158	170	156	155	183	188	185	185	190	191	186	253	428	714	711	790	1050	1111	1035	640	485	487	767	869	969	947	947	847	809	360	199	202	202	360	588	558	418	383	294	301	295	270		
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	0	0	0	0	0
PCUF	CUFK	17	14	14	15	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
Total Co-Gen		17	14	14	15	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
Total Gen		13790	13259	12984	12726	12596	12405	12295	12141	12011	11952	11838	11940	11990	12255	12120	11978	12446	13694	14332	14867	15190	15482	15614	15872	15503	15277	15134	15314	15585	15825	15906	15908	15971	15897	15600	15185	14666	14418	14384	15127	15378	15308	15152	15104	14721	14557	14228	13784		
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	0	0	0	0	0
TIE-HVDC		30	30	31	31	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	30	30	31	31	30	30	29	29	30	29	29	30	29	29	30	29	29	31	31			
TIE-PLTC		-37	-29	-40	-73	-50	2	-23	23	-17	30	-14	-9	-14	29	58	-33	-26	16	14	-7	-54	-70	-93	-117	-22	-57	-45	-55	-84	-98	-39	-81	-69	-43	-26	-4	-18	-2	-33	-7	14	-80	-26	-55	-71	-157	-24	-78		
Interconnection		-7	1	-10	-42	-19	32	7	53	13	60	16	21	17	60	88	-3	4	46	44	23	-24	-40	-63	-87	8	-26	-15	-25	-53	-68	-9	-51	-40	-14	4	26	12	28	-3	24	43	-51	4	-25	-41	-128	7	-47		
System Total		13797	13258	12994	12768	12615	12373	12288	12098	11998	11892	11822	11919	11973	12195	12032	11981	12442	13648	14288	14844	15214	15522	15677	15759	15495	15303	15149	15339	15648	15893	15915	15959	16011	15911	15596	15159	14654	14390	14387	15103	15335	15359	15148	15129	14762	14685	14221	13831		
SRev ST-Coal		241	242	220	267	269	257	271	278	271	267	270	268	261	274	276	278	227	237	242	232	222	238	272	185	251	234	234	232	230	236	226	235	230	238	239	234	227	228	237	237	239	234	229	227	221	233	230	268		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	49	11	104	170	207	179	185	247	211	94	208	181	140	117	211	217	198	452	450	104	11	75	88	93	93	5	51	0	0	
SRev CCGT-Gas		509	678	417	552	673	869	975	1134	1257	1319	1458	1363	1319	1040	1177	1320	1236	715	291	319	248	157	247	259	422	328	411	173	211	193	217	212	195	183	347	226	390	386	414	174	242	224	232	241	318	133	411	424		
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	0	0	
SRev Co-Gen		7	10	10	9	10	10	11	11	11	11	11	9	10	11	9	11	12	12	10	11	11	10	11	11	9	11	11	10	11	11	10	10	11	11	12	11	11	10	11	11	10	10	11	10	11	9	14	12		
Syncon		499	499	499	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801		
Hydro		277	284	279	148	154	161	150	138	152	153	275	270	273	273	268	267	272	305	456	595	598	519	610	494	474	920	611	609	493	442	443	465	465	464	502	274	248	245	245	262	132	247	325	411	249	243	249	123		
S.Reserve Total		1633	1713	1425	1777	1907	2098	2208	2362	2492	2551	2815	2713	2663	2398	2533	2675	2547	2070	1611	1702	1610	1418	1574	1590	1847	2001	2247	2067	1824	1559	1587	1585	1522	1596	1893	1773	1884	2132	2166	1598	1434	1589	1683	1631	1691	1337	1519	1542		