

Daily System Generation Summary on Tuesday

Tuesday, February 26, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,416 MW
Distillate	0 MW
Total TNB	2,416 MW
Total IPP	16,759 MW
Total Co-Gen	85 MW
Total System	22,339 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,778	1.79 %
Gas	35,728	9.45 %
Total TNB	42,506	11.25 %
ST-Coal	222,167	58.79 %
LSS	1,860	0.49 %
Gas	110,034	29.12 %
Total IPP	334,061	88.39 %
Co-Gen	1,853	0.49 %
Total Co-Gen	1,853	0.49 %
Total Generation	378,420	100.13 %
PLTG	-229	-0.06 %
HVDC	722	0.19 %
Interconnection	493	0.13 %
Net Energy	377,927	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,779 MW
TNB Generation	2,308 MW
IPP Generation	15,496 MW
Spinning Reserve	1,896 MW
Maximum Demand	17,851 MW
Net Energy	377,927 MWH
Load Factor	88.21 %

Fuel Cost

Total Cost:	77,617,332.60 RM
Cost per Unit	20.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	610
Hydro	540
Syncon	791
Thermal	223
Total	2,164

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	2
SRDG	4
TJGS	200
Total TNB	257
CBPS	52
KLPP	91
MPSS	30
NPRI	153
PGLA	90
PLPS	89
PTEK	3
SGRI	80
SKSP	48
YPKA	70
Total IPP	707
Total Gas	964
Total Gas Required	964

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	15653	14772	14251	13716	13530	13205	13462	13454	13586	15093	16446	16917	16854	16589	17323	17674	17821	17468	16273	15871	17159	17240	16718	16416

Prepared By: -Select Name-

Checked By: -Select Name-

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

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		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	49	92	131	170	201	223	244	252	269	273	272	268	183	230	196	137	138	130	121	80	36	12	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	-4	37	40	39	41	40	42	49	50	49	49	49	50	49	51	49	50	51	49	48	50	49	50	47	50	50	49	50	48	49	49	49	49	49	50	49	49	48	49	49	50	51	50	51	50	51	50	49	
PCUF	CUFK	32	32	30	33	31	30	33	31	32	33	32	31	34	32	34	31	32	31	32	31	30	29	30	31	31	31	31	31	30	30	30	31	32	30	30	30	30	32	32	29	31	32	32	32	31	7	-1	33	
Total Co-Gen		28	69	70	72	72	70	75	80	82	82	81	80	84	81	85	80	82	82	81	79	80	78	80	78	81	81	80	81	78	79	79	80	81	79	80	79	79	80	81	78	81	83	82	83	81	58	49	82	
Total Gen		15667	15076	14818	14565	14289	14126	13716	13660	13551	13279	13168	13161	13411	13579	13443	13263	13591	14630	15109	15920	16433	16883	16938	17119	16876	16653	16598	16951	17299	17694	17670	17826	17841	17883	17551	16876	16351	15826	15923	16653	17195	17240	17207	16998	16740	16697	16436	16215	
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		
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	31	30	31	30	30	29	29	30	30	30	30	31	31	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	31	29	31	29	31	31	30	30		
TIE-PLTG		-9	-41	23	-67	16	-25	-21	-20	-1	-37	-59	-21	-74	17	-34	40	-17	11	-6	-6	-35	25	-2	-6	-1	-38	-13	-38	-46	-27	-26	-5	-3	9	60	62	56	9	30	7	12	-16	-57	15	-1	-60	-2	-38	
Interconnection		21	-11	53	-37	46	5	8	10	29	-6	-29	8	-43	48	-3	70	13	40	24	24	-5	55	29	25	30	-8	17	-8	-16	3	4	25	27	39	90	92	86	39	60	38	43	12	-26	44	30	-28	28	-8	
System Total		15653	15094	14772	14610	14251	14129	13716	13658	13530	13293	13205	13161	13462	13539	13454	13201	13586	14598	15093	15904	16446	16836	16917	17102	16854	16669	16589	16967	17323	17699	17674	17809	17821	17851	17468	16791	16273	15795	15871	16623	17159	17235	17240	16961	16718	16733	16416	16231	
SRev ST-Coal		198	194	202	247	379	406	401	412	400	402	396	400	397	405	404	169	156	160	386	316	187	331	203	195	206	207	210	205	231	187	199	177	201	201	215	207	208	214	202	213	195	206	213	202	202	200	206	206	
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	0	7	5	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		882	1153	1208	1419	1437	1363	1635	1687	1811	2084	2192	2201	1953	1778	1918	2335	2271	1415	1319	1455	1094	590	596	442	689	927	984	873	730	344	401	439	391	352	379	609	1098	1546	1412	658	474	423	402	496	567	589	694	471	
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	
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	0	0	
SRev Co-Gen		27	16	15	13	13	15	10	5	3	3	4	5	1	4	0	5	3	3	4	6	5	7	5	7	4	4	5	4	7	6	6	5	4	6	5	6	6	5	4	7	4	2	3	2	4	27	36	3	
Syncon		838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	859	687	989	989	989	989	989	989	989	989	989	838	227	687	687	687	687	687	687	838	989	989	687	687	989	989	989	989	989			
Hydro		265	265	266	264	264	262	264	263	263	262	265	262	263	263	262	265	262	262	272	522	389	388	389	389	385	386	384	387	567	889	656	643	649	647	697	661	662	539	414	412	708	705	671	421	280	280	281	270	
S.Reserve Total		2210	2466	2529	2781	2931	2884	3148	3205	3315	3589	3695	3706	3452	3288	3422	3612	3530	2678	2840	2986	2664	2305	2182	2022	2273	2513	2572	2458	2373	1653	1956	1956	1938	1897	1986	2170	2661	3142	3021	2279	2068	2023	1976	2110	2042	2085	2206	1939	