

Daily System Generation Summary on Tuesday

Tuesday, January 09, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	14,886 MW
Total Co-Gen	0 MW
Total System	20,748 MW

Generation Mix

Type	MWh	Percentage
Gas	41,965	12.07 %
Hydro	16,638	4.79 %
Total TNB	58,603	16.86 %
ST-Coal	184,656	53.11 %
Gas	102,303	29.43 %
Total IPP	286,959	82.54 %
Co-Gen	1,377	0.40 %
Total Co-Gen	1,377	0.40 %
Total Generation	346,939	99.79 %
PLTG	-31	-0.01 %
HVDC	-697	-0.20 %
Interconnection	-728	-0.21 %
Net Energy	347,667	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	17,544 MW
TNB Generation	3,590 MW
IPP Generation	12,661 MW
Spinning Reserve	1,237 MW
Maximum Demand	16,378 MW
Net Energy	347,667 MWH
Load Factor	88.45 %

Fuel Cost

Total Cost:	62,219,945.62 RM
Cost per Unit	18.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	450
Hydro	336
Syncon	658
Thermal	115
Total	1,559

Time Weather Temperature

Afternoon	Rainy	29
Morning	Rainy	25

Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	35
SRDG	3
TJGS	216
Total TNB	304
CBPS	57
KLPP	100
NPRI	157
PGLA	106
PLPS	90
PTEK	3
SGRI	94
YPKA	79
Total IPP	685
Total Gas	989

Total Gas Required 989

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	13776	13194	12687	12422	12187	12074	12473	12617	12958	14563	15356	15833	15857	15471	15903	16171	16305	16067	15143	14870	15820	15612	15094	14413

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 (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																									
UPIA	HY02	7	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5											
Total Hydro		262	242	206	206	206	206	207	203	215	199	205	226	224	196	195	226	392	536	570	624	727	734	1019	956	736	683	765	1074	1487	1422	1509	1479	1509	1422	1102	912	642	644	1072	1175	1135	1118	1123	1049	818	575	310		
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			
PCUF	CUFG	24	24	24	25	24	25	24	26	25	24	26	25	25	25	24	23	21	22	22	21	23	22	22	22	22	22	22	22	21	21	23	23	22	23	23	23	23	23	23	25	24	25	22	23	23	26	24		
PCUF	CUFK	34	35	34	33	34	34	34	32	34	34	34	32	34	34	33	34	35	35	34	33	34	35	35	33	33	34	33	33	34	33	32	32	34	34	36	34	34	34	34	33	35	34	35	33	34	35	34		
Total Co-Gen		58	59	58	58	59	58	58	59	58	60	59	57	59	59	59	59	60	59	57	54	56	57	56	56	55	56	55	55	55	54	55	55	56	57	59	57	57	57	57	58	59	59	57	56	57	61	58		
Total Gen		13745	13451	13176	12965	12626	12472	12386	12337	12167	12136	12040	12258	12470	12729	12616	12572	12899	13926	14532	15048	15315	15673	15780	16030	15841	15540	15424	15503	15868	16226	16112	16225	16255	16307	16088	15507	15121	14726	14809	15776	15767	15754	15590	15414	15073	14742	14381	14119	
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	
TIE-HVDC		-29	-29	-29	-30	-30	-30	-29	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-27	-28	-28	-28	-28	-28	-29	-28	-29	-30	-30	-28	-30	-30	-29	-29	-29	-29	
TIE-PLTG		-2	12	11	16	-31	-29	-6	51	9	31	-5	-23	27	39	27	28	-30	-15	-2	22	-12	-18	-25	-5	14	-10	-18	13	-6	-6	-30	-11	-22	-43	49	-29	6	18	-33	-56	-23	-4	6	12	9	14	-3	17	
Interconnection		-31	-17	-18	-14	-61	-58	-36	22	-20	2	-34	-53	-3	11	-1	-1	-59	-43	-31	-7	-41	-46	-53	-34	-16	-39	-47	-16	-35	-36	-59	-40	-50	-71	21	-57	-22	-11	-61	-84	-53	-34	-22	-18	-21	-15	-32	-13	
System Total		13776	13468	13194	12979	12687	12530	12422	12315	12187	12134	12074	12311	12473	12718	12617	12573	12958	13969	14563	15055	15356	15719	15833	16064	15857	15579	15471	15579	15903	16262	16171	16265	16305	16378	16067	15564	15143	14737	14870	15860	15820	15788	15612	15432	15094	14757	14413	14132	
SRev ST-Coal		246	267	283	278	283	274	284	275	279	282	276	285	290	279	285	280	285	277	270	221	226	157	107	125	142	115	111	150	-23	117	17	90	86	89	94	58	91	93	88	74	24	110	107	139	90	85	79	103	
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	0	63	-2	-2	92	-2	-2	-2	-2	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1012	1106	695	904	1239	1269	1347	1406	1563	1605	1830	1612	1417	1163	1241	1290	1010	578	446	407	307	292	319	335	444	551	619	522	429	344	392	354	363	339	481	751	1012	1135	1059	424	587	565	595	574	837	943	1071	951	
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		-1	-2	-1	-1	-1	-2	-1	-1	-2	-1	-3	-2	0	-2	-2	-2	-3	-2	0	3	1	0	1	1	2	1	2	2	2	3	2	2	1	0	-2	0	0	0	0	-1	-2	-2	0	1	0	-4	-1		
Syncon		1133	1133	1284	1284	1284	1284	1284	1284	1284	1284	1349	1198	1198	1349	1349	1248	1248	1097	669	669	669	669	669	921	734	547	547	499	373	373	524	524	524	711	837	963	963	686	686	686	686	686	686	711	711	862	1097		
Hydro		236	249	134	134	134	134	133	137	125	141	135	265	267	144	145	114	49	90	207	581	528	521	311	399	367	321	340	387	333	524	437	316	286	373	542	506	415	413	262	309	199	216	211	160	191	408	137		
S Reserve Total		2626	2753	2395	2599	2939	2959	3048	3097	3261	3295	3528	3379	3170	2905	3017	3062	2756	2149	2052	1932	1786	1647	1616	1441	1655	1956	1786	1561	1342	1295	1309	1319	1289	1237	1564	2058	3444	2604	2521	1446	1605	1558	1602	1610	1799	2130	2416	2287	