

Daily System Generation Summary on Wednesday

Wednesday, June 22, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	5,882 MW
Total IPP	12,870 MW
Total Co-Gen	32 MW
Total System	19,066 MW

Generation Mix

Type	MWh	Percentage
Gas	66,390	20.42 %
Hydro	10,790	3.32 %
Total TNB	77,180	23.74 %
ST-Coal	150,515	46.29 %
Gas	95,284	29.30 %
Total IPP	245,799	75.59 %
Co-Gen	558	0.17 %
Total Co-Gen	558	0.17 %
Total Generation	323,537	99.50 %
PLTC	-933	-0.29 %
HVDC	-694	-0.21 %
Interconnection	-1,627	-0.50 %
Net Energy	325,164	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:	20:30:00 Hour
Total Set On Bus	15,985 MW
TNB Generation	4,076 MW
IPP Generation	10,856 MW
Spinning Reserve	1,030 MW
Maximum Demand	15,040 MW
Net Energy	325,164 MWH
Load Factor	90.08 %

Fuel Cost

Total Cost:	43,497,684.90 RM
Cost per Unit	13.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	297
Hydro	138
Syncon	848
Thermal	114
Total	1,397

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	37
GLGR	53
PAKA	150
PGPS	43
SRDG	3
TJGS	216
Total TNB	503
CBPS	54
KLPP	97
MPSS	51
NPRI	149
PGLA	111
PLPS	91
PTEK	4
SGRI	144
Total IPP	700
Total Gas	1,203
Total Gas Required	1,203

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	13995	13377	12963	12415	12180	12197	11989	11640	11591	12788	13472	14179	14069	13813	14234	14384	14466	14301	14027	13942	14684	14994	14808	14380

Prepared By: Ibrahim bin Said

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Wednesday

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																											
TMGR	HY04	0	0	0	0	0	0	0	0	32	33	33	33	34	35	35	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	86	86	86	86	86	86	86	85	63	62	62	62	62											
UPIA	HY02	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		239	241	183	208	291	427	427	426	427	429	428	482	484	461	405	406	412	432	432	478	478	308	396	482	343	345	259	238	237	318	341	345	572	652	391	187	200	222	369	819	852	879	924	879	784	764	567	378			
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	CUPG	7	8	8	7	7	8	7	7	7	9	8	8	9	8	8	7	7	8	9	8	7	8	7	8	7	7	7	7	7	6	7	6	6	7	6	7	5	6	7	6	5	7	6	6	5						
PCUF	CUPK	14	17	17	16	16	16	16	16	17	16	16	16	16	17	17	16	16	16	16	16	16	16	16	16	16	15	16	16	16	15	15	16	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
Total Co-Gen		21	25	25	23	23	24	23	23	24	25	25	24	25	25	26	25	25	23	23	25	27	24	23	24	23	22	24	23	22	22	22	23	21	22	22	22	22	23	22	24	22	22	23	22	21	23	22	23	21		
Total Gen		13951	13663	13338	13016	12834	12570	12355	12206	12129	12141	12134	11902	11944	11815	11549	11269	11507	12255	12703	13173	13433	13839	14114	14293	14030	13814	13724	13669	14116	14277	14286	14260	14298	14339	14216	13985	13940	13840	13918	14211	14606	14955	14946	14955	14769	14683	14331	14167			
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	0
TIE-HVDC		-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-28	-28	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-14	13	-10	-36	-1	-31	-32	-17	-22	-18	-34	-42	-16	-42	-62	-60	-55	-48	-57	-41	-11	-51	-35	-21	-9	-53	-61	-61	-88	-86	-69	-140	-139	-24	-55	-79	-58	-5	5	44	-49	-56	-19	-30	-10	-13	-21	-53			
Interconnection		-44	-17	-39	-64	-29	-59	-60	-45	-51	-47	-63	-70	-45	-71	-91	-89	-84	-77	-85	-70	-39	-81	-65	-50	-39	-82	-89	-89	-118	-115	-98	-170	-168	-53	-85	-108	-87	-33	-24	15	-78	-85	-48	-59	-39	-41	-49	-82			
System Total		13995	13680	13377	13080	12963	12629	12415	12251	12180	12188	12197	11972	11989	11886	11640	11358	11591	12332	12788	13243	13472	13920	14170	14343	14069	13896	13813	13958	14234	14392	14384	14430	14466	14392	14301	14093	14027	13873	13942	14196	14684	15040	14994	15014	14808	14724	14380	14249			
SRev ST-Coal		105	124	121	127	115	123	116	106	129	85	94	107	78	75	114	123	126	112	112	116	127	140	132	129	46	74	111	126	115	112	108	122	109	127	115	113	105	112	114	111	106	118	114	114	117	113	105	82			
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	3	4	35	37	37	2	14	0	0	0	0	0	0	0	0	0	0	0	1	-1	-2	-1	71	0	0	
SRev CCGT-Gas		143	417	479	721	737	1133	1354	1513	1566	1550	1822	1809	1918	2134	2362	2126	1408	868	686	601	191	246	121	401	589	578	464	258	215	221	194	195	315	186	269	331	447	518	675	319	109	165	113	200	198	310	307				
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	0	
SRev Co-Gen		11	7	7	9	9	8	9	9	8	7	7	8	7	7	6	7	7	9	9	7	5	8	9	8	9	10	8	9	9	10	10	9	11	10	10	10	9	10	8	10	10	9	10	11	9	10	9	11			
Syncon		828	828	929	929	1080	979	979	979	979	979	828	828	979	979	979	979	979	979	978	978	978	978	890	840	840	840	928	1079	1081	1081	1081	1081	653	804	955	955	955	955	627	627	627	627	541	475	626	626	727				
Hydro		168	166	123	248	114	79	79	80	79	77	78	258	256	128	99	98	92	67	67	22	22	92	93	57	196	194	192	62	61	35	62	58	259	152	138	112	99	116	168	226	193	166	205	251	362	231	228	248			
S.Reserve Total		1345	1632	1749	2124	2145	2329	2544	2694	2768	2765	2715	3030	2985	3114	3339	3576	3337	2587	2647	1821	1745	1421	1382	1167	1507	1723	1864	1789	1573	1462	1563	1471	1234	1415	1404	1464	1504	1645	1788	1649	1255	1030	1120	1028	1162	1245	1278	1380			