

Daily System Generation Summary on Tuesday

Tuesday, May 31, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,621 MW
Hydro	1,858 MW
Distillate	0 MW
Total TNB	5,479 MW
Total IPP	13,203 MW
Total Co-Gen	0 MW
Total System	18,682 MW

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:	15:30:00 Hour
Total Set On Bus	18,074 MW
TNB Generation	4,114 MW
IPP Generation	12,679 MW
Spinning Reserve	1,236 MW
Maximum Demand	16,863 MW
Net Energy	350,232 MWH
Load Factor	86.54 %

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	55
PAKA	173
PGGS	5
PGPS	50
SRDG	38
TJGS	202
Total TNB	582

Alternate Fuel Usage

Station	(mmscfd)
PKLG	29
Total	29

Generation Mix

Type	MWh	Percentage
Gas	73,184	20.90 %
Hydro	7,913	2.26 %
Total TNB	81,097	23.16 %
ST-Coal	182,594	52.14 %
ST-Gas	8,345	2.38 %
ST-Oil	2,871	0.82 %
Gas	74,015	21.13 %
Total IPP	267,825	76.47 %
Co-Gen	1,067	0.30 %
Total Co-Gen	1,067	0.30 %
Total Generation	349,989	99.93 %
PLTG	-243	-0.07 %
Interconnection	-243	-0.07 %
Net Energy	350,232	100.00 %

Fuel Cost

Total Cost:	50,202,810.45 RM
Cost per Unit	14.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	316
Hydro	343
Syncon	541
Thermal	150
Total	1,350

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

CBPS	16
KLPP	73
MPSS	33
PDPS	13
PGLA	106
PKLG	16
PLPS	96
PTEK	39
SGB3	93
SGRI	70
SKSP	51
PKLG	81
Total IPP	688
Total Gas	1,271
Total Gas Required	1,300

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	14334	13576	12982	12532	12176	12080	11991	12041	12527	14339	15307	15945	15950	15776	16479	16823	16821	16452	15116	14744	15803	15743	15279	14941

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Printed on: Wednesday, June 01, 2016 8:03:17 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
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MNOR	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
PGAU	HY02	-1	-1	19	-1	24	24	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	24	24	11	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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
SIHY	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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	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
SYPS	HY04	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	HY01	29	30	22	29	29	28	20	35	40	39	41	39	36	39	36	39	35	39	41	40	42	35	40	42
TMGR	HY03	-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	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
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
Total Hydro		205	219	181	216	239	266	226	188	172	186	178	192	183	208	208	183	230	243	271	225	265	471	526	511
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
PCUF	CUFG	32	32	33	33	32	33	33	32	35	33	33	33	33	32	32	32	31	32	31	31	32	32	32	28
PCUF	CUFK	12	13	13	14	13	15	13	12	14	13	14	14	13	13	15	15	13	13	12	14	14	14	13	13
Total Co-Gen		44	45	46	47	45	48	46	44	47	46	47	47	46	46	45	45	48	48	45	46	44	46	46	45
Total Gen		14328	14094	13546	13270	12977	12809	12530	12390	12156	12112	12098	11994	12028	12143	12123	12141	12484	13572	14295	14785	15272	15624	15920	16090
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		-6	-53	-30	-23	-5	-36	-2	60	-20	41	18	-50	37	9	82	59	-43	-42	-44	36	-35	-85	-25	-37
Interconnection		-6	-53	-30	-23	-5	-36	-2	60	-20	41	18	-50	37	9	82	59	-43	-42	-44	36	-35	-85	-25	-37
System Total		14334	14087	13576	13293	12982	12845	12532	12330	12176	12071	12080	12044	11991	12134	12041	12082	12527	13614	14339	14749	15307	15709	15945	16127
SRev ST-Coal		106	110	124	93	119	123	105	129	311	319	284	498	468	407	411	406	424	215	207	219	210	204	230	105
SRev ST-Oil		1	1	80	77	74	76	76	74	74	75	75	75	75	75	37	37	37	38	0	0	0	0	0	0
SRev OCGT-Gas		48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		278	327	661	817	1262	1545	1890	1966	2063	2063	2110	2037	2061	2063	2079	2039	1734	897	556	443	172	151	149	161
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
SRev Co-Gen		-17	-18	-19	-20	-18	-21	-19	-17	-20	-19	-20	-20	-19	-19	-18	-18	-21	-21	-18	-19	-17	-19	-18	-18
Syncon		800	800	649	800	498	498	498	800	800	800	800	800	649	649	800	800	649	649	649	649	649	649	649	649
Hydro		99	85	274	88	367	340	380	418	132	118	126	112	121	247	247	121	74	212	334	380	340	384	329	344
S.Reserve Total		1316	1305	1769	1855	2302	2561	2930	3068	3360	3356	3375	3502	3506	3422	3443	3422	3085	2028	1808	1743	1365	1389	1475	1300