

Daily System Generation Summary on Friday

Friday, October 21, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,125 MW
Hydro	2,255 MW
Distillate	0 MW
Total TNB	5,380 MW
Total IPP	13,195 MW
Total Co-Gen	54 MW
Total System	19,193 MW

Generation Mix

Type	MWh	Percentage
Gas	66,797	19.00 %
Hydro	11,029	3.14 %
Total TNB	77,826	22.14 %
ST-Coal	177,542	50.51 %
Gas	94,375	26.85 %
Total IPP	271,917	77.36 %
Co-Gen	1,185	0.34 %
Total Co-Gen	1,185	0.34 %
Total Generation	350,928	99.84 %
PLTG	130	0.04 %
EGAT	-5	0.00 %
HVDC	-695	-0.20 %
Interconnection	-570	-0.16 %
Net Energy	351,498	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:	15:30:00 Hour
Total Set On Bus	17,998 MW
TNB Generation	4,145 MW
IPP Generation	12,436 MW
Spinning Reserve	1,369 MW
Maximum Demand	16,655 MW
Net Energy	351,498 MWH
Load Factor	87.94 %

Fuel Cost

Total Cost:	50,006,330.90 RM
Cost per Unit	14.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	339
Hydro	263
Syncon	804
Thermal	217
Total	1,623

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	19
PAKA	163
PGPS	26
SRDG	42
TJGS	218
Total TNB	527
KLPP	102
MPSS	32
NPRI	155
PDPS	57
PKLG	25
PLPS	100
PTEK	61
SGB3	38
SGRI	188
Total IPP	759
Total Gas	1,286
Total Gas Required	1,286

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	14342	13664	13167	12782	12412	12218	12352	12147	12560	14389	15351	15987	16025	15555	15854	16577	16642	16271	15086	15243	15955	15763	15494	15028

Prepared By: Siti Nurhamizatul Aini

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Friday

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
PGAU	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
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	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
TMGR	HY02	-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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJLI	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
UJLI	HY02	-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	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
Total Hydro		387	281	155	178	155	156	156	158	162	160	178	156	157	160	179	156	157	260	254	490	501	601	620	784
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	31	32	32	32	32	33	32	31	32	33	33	33	34	34	33	34	34	33	32	31	31	30	33	32
PCUF	CUFK	17	18	18	17	19	16	19	17	18	19	19	19	17	18	19	18	19	19	18	18	16	18	19	17
Total Co-Gen		48	50	50	49	51	49	51	48	50	52	52	52	51	52	53	51	50	53	51	49	50	48	51	51
Total Gen		14365	14039	13642	13405	13144	12890	12744	12507	12401	12283	12208	12266	12328	12390	12101	12127	12579	13545	14341	14880	15296	15676	15917	16097
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		-30	-30	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-27	-30	-29	-29	-29	-28	-28	-28	-29	-28	-29
TIE-PLTG		53	36	7	-5	6	35	-10	16	19	14	20	7	5	-24	-18	-28	46	9	-19	13	-26	-18	-40	-50
Interconnection		23	6	-22	-34	-23	6	-38	-12	-11	-15	-10	-23	-24	-54	-46	-57	19	-21	-48	-16	-55	-47	-70	-78
System Total		14342	14033	13664	13439	13167	12884	12782	12519	12412	12298	12218	12289	12352	12444	12147	12184	12560	13566	14389	14896	15351	15723	15987	16175
SRev ST-Coal		220	228	250	283	375	309	404	303	304	297	286	280	303	283	303	308	307	263	192	177	170	173	173	186
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
SRev CCCT-Gas		730	645	689	697	705	824	796	814	925	1050	1154	1080	995	957	1246	1190	982	817	364	275	278	216	225	204
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		6	4	4	5	3	5	3	6	4	2	2	2	3	2	1	3	4	1	3	5	4	6	3	3
Syncon		1100	1100	1100	949	1100	1100	1100	1100	1100	949	1100	1100	1100	999	848	999	848	676	762	762	848	999	913	827
Hydro		255	111	137	265	137	136	136	134	130	132	265	136	135	132	264	136	135	132	138	103	243	75	207	215
S.Reserve Total		2311	2088	2180	2199	2320	2374	2439	2357	2463	2581	2656	2598	2536	2474	2763	2737	2528	2385	1820	1720	1627	1647	1515	1335