

Daily System Generation Summary on Friday

Friday, January 08, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	2,330 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,309 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	7,774 MW
Total IPP	9,951 MW
Total Co-Gen	28 MW
Total System	17,753 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	50,519	14.81 %
Gas	71,423	20.94 %
Hydro	18,213	5.34 %
Total TNB	140,155	41.09 %
ST-Coal	105,589	30.96 %
ST-Gas	11,299	3.31 %
Gas	83,176	24.39 %
Distillate	39	0.01 %
Total IPP	200,103	58.67 %
Co-Gen	697	0.20 %
Total Co-Gen	697	0.20 %
Total Generation	340,955	99.96 %
PLTG	-123	-0.04 %
Interconnection	-123	-0.04 %
Net Energy	341,078	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	17,648 MW
TNB Generation	6,668 MW
IPP Generation	9,557 MW
Spinning Reserve	1,395 MW
Maximum Demand	16,264 MW
Net Energy	341,078 MWH
Load Factor	87.38 %

Fuel Cost

Total Cost:	47,813,777.10 RM
Cost per Unit	14.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	712
Hydro	381
Syncon	342
Thermal	64
Total	1,499

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	99
GLGR	55
PAKA	182
PGPS	52
SRDG	4
TJGS	161
Total TNB	553

KLPP	105
MPSS	23
PDPS	4
PGLA	113
PKLG	4
PLPS	101
PTEK	4
SGB3	70
SGRI	179
SKSP	51
PKLG	112
Total IPP	767

Total Gas 1,320

Total Gas Required 1,321

Alternate Fuel Usage

Station	(mmscfd)
SGB3	0
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	13751	13183	12646	12249	11934	11957	12195	12007	12270	14020	14789	15462	15585	15220	15496	16180	16241	15971	14763	14488	15495	15384	14934	14578

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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
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	21	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
PGAU	HY04	110	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	-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	HY02	26	28	27	31	29	33	32	27	32	33	33	38	39	30	31	29	28	46	36	49	49	54	47	0
TMGR	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
TMGR	HY04	29	-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
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		359	184	184	188	196	194	186	193	195	194	223	207	194	189	188	213	206	600	603	959	1197	1239	1374	1072
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	CUFK	29	31	31	30	29	31	29	29	30	29	32	31	32	29	30	31	30	30	29	29	30	23	22	23
Total Co-Gen		29	31	31	30	29	31	29	29	30	29	32	31	32	29	30	31	30	30	29	29	30	23	22	23
Total Gen		13817	13293	13063	12856	12665	12446	12284	12121	11922	11874	11915	11852	12252	12242	12079	11862	12279	13182	13956	14492	14819	15174	15486	
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		66	-112	-120	3	19	-34	35	20	-12	11	-42	29	57	76	72	25	9	-74	-64	-12	30	-44	24	-38
Interconnection		66	-112	-120	3	19	-34	35	20	-12	11	-42	29	57	76	72	25	9	-74	-64	-12	30	-44	24	-38
System Total		13751	13405	13183	12852	12646	12480	12249	12101	11934	11863	11957	11823	12195	12166	12007	11837	12270	13256	14020	14504	14789	15218	15462	
SRev ST-Coal		133	123	110	147	154	121	154	141	94	74	70	47	37	58	101	111	116	100	86	92	94	60	-14	
SRev OCGT-Gas		41	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		662	539	420	464	504	721	895	1072	1362	1449	1416	1527	1274	1249	1269	1451	1519	1110	740	631	545	598	638	
SRev ST-Gas		-1	-2	-2	8	81	76	75	74	74	74	74	74	74	74	75	70	18	9	4	1	-1	-2	63	
SRev 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
SRev Co-Gen		-1	-3	-3	-2	-1	-3	-1	-1	-2	-1	-4	-3	-4	-1	-2	-3	-2	-2	-1	-1	-2	5	6	
Syncon		716	953	953	953	953	953	953	953	953	953	953	802	953	953	953	953	953	630	781	328	126	0	0	
Hydro		349	137	130	133	125	127	135	128	126	127	249	114	127	127	132	133	108	115	405	351	823	787	786	
S.Reserve Total		1899	1747	1615	1780	1824	1993	2283	2374	2609	2675	2636	2696	2398	2410	2522	2719	2789	2287	1982	1761	1770	1813	1541	