

Daily System Generation Summary on Thursday

Thursday, July 07, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,745 MW
Hydro	1,987 MW
Distillate	0 MW
Total TNB	<u>5,732 MW</u>
Total IPP	<u>14,282 MW</u>
Total Co-Gen	<u>44 MW</u>
Total System	<u>20,622 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	33,316	13.29 %
Hydro	9,137	3.64 %
Total TNB	42,453	16.93 %
ST-Coal	159,936	63.79 %
Gas	48,598	19.38 %
Total IPP	208,534	83.17 %
Co-Gen	398	0.16 %
Total Co-Gen	398	0.16 %
Total Generation	251,385	100.26 %
PLTG	-81	-0.03 %
HVDC	724	0.29 %
Interconnection	643	0.26 %
Net Energy	250,742	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:	21:30:00 Hour
Total Set On Bus	13,275 MW
TNB Generation	2,332 MW
IPP Generation	9,905 MW
Spinning Reserve	1,022 MW
Maximum Demand	12,209 MW
Net Energy	250,742 MWH
Load Factor	85.57 %

Fuel Cost

Total Cost:	29,597,606.50 RM
Cost per Unit	12.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	249
Hydro	167
Syncon	805
Thermal	71
Total	1,292

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	6
TJGS	199
Total TNB	235
CBPS	54
NPRI	73
PGLA	92
PLPS	51
PTEK	3
SGRI	70
Total IPP	342
Total Gas	577

Total Gas Required	577
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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	11256	10808	10368	10061	9791	9571	9501	9282	8816	9136	9611	9982	10099	10173	10386	10504	10593	10685	10572	10806	12070	12155	12033	12039

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Thursday

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
HTRG	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
HTRG	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
KNRC	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
KNRC	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
KNRC	HY03	23	22	22	22	21	22	22	22	22	22	22	21	22	23	23	23	23	22	22	22	22	22	29	29
KNYR	HY01	-1	-1	-1	-1	-1	-1	97	97	81	79	80	79	63	62	91	94	96	82	79	79	79	79	-1	-1
KNYR	HY02	0	0	0	0	0	0	99	98	91	80	77	73	58	93	99	98	98	99	99	90	98	88	81	80
KNYR	HY03	-1	-1	-1	-1	-1	-1	101	98	98	81	81	80	80	59	94	98	98	98	98	98	-1	-1	-1	-1
KNYR	HY04	64	61	60	60	59	59	58	100	98	98	93	80	76	74	59	95	98	98	98	98	63	98	98	0
LPIA	HY02	15	15	15	15	15	14	15	15	15	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15
PNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
PCAU	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
PCAU	HY02	-1	-1	-1	22	-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	25	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	25	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	38	35	34	33	30	31	31	32	31	36	32	30	30	30	31	37	38	37	36	39	34	36	34	33
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
UJLI	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
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		230	173	171	193	186	166	166	311	502	506	457	429	422	414	346	454	503	506	507	493	459	602	552	
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	12	12	12	12	12	12	13	13	13	13	13	13	13	13	12	10	11	12	11	13	11	11	10	11
PCUF	CUFK	4	4	4	4	4	5	4	3	3	4	4	4	5	4	4	4	4	5	4	4	5	4	3	3
Total Co-Gen		16	16	16	16	16	17	16	15	16	17	17	17	18	16	19	18	17	17	16	14	16	16	15	
Total Gen		11271	11026	10810	10637	10409	10211	10100	9837	9835	9652	9581	9548	9535	9512	9368	8934	8850	9012	8139	9382	9580	9858	9984	
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	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	30	30	30	30	30	30
TIE-PLTG		-16	-42	-28	8	11	-18	9	8	13	-55	-20	2	4	0	56	33	4	-2	-28	8	-62	-37	-29	
Interconnection		15	-12	2	38	41	12	39	39	44	-25	10	32	34	30	86	63	34	28	3	39	-31	-6		
System Total		11256	11038	10808	10599	10368	10199	10061	9898	9791	9677	9571	9516	9501	9482	9282	8871	8816	8984	9136	9343	9611	9864	9982	
SRev ST-Coal		78	88	86	70	61	20	22	11	30	16	16	7	18	23	16	324	359	269	367	-4	-51	-11	-122	
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		81	105	178	309	207	124	232	550	470	311	333	347	343	353	434	671	769	629	501	471	286	260	427	
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		28	28	28	28	28	27	28	29	28	27	27	27	26	26	28	25	25	26	27	27	27	28	30	
Syncon		925	925	925	774	774	925	925	824	723	723	723	723	723	723	723	723	723	723	723	723	723	597	597	
Hydro		130	137	139	268	275	144	144	100	110	106	155	183	190	198	266	158	109	106	105	119	153	136	186	
S.Reserve Total		1242	1283	1356	1449	1345	1240	1251	1514	1361	1183	1254	1287	1300	1323	1467	1901	1985	1753	1723	1336	1138	1010	1118	