

Daily System Generation Summary on Wednesday

Wednesday, December 30, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	1,660 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,628 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	8,423 MW
Total IPP	9,945 MW
Total Co-Gen	40 MW
Total System	18,408 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	35,476	10.90 %
Gas	81,738	25.11 %
Hydro	14,344	4.41 %
Total TNB	131,558	40.42 %
ST-Coal	99,604	30.60 %
ST-Gas	11,259	3.46 %
Gas	81,773	25.12 %
Total IPP	192,636	59.18 %
Co-Gen	749	0.23 %
Total Co-Gen	749	0.23 %
Total Generation	324,943	99.83 %
PLTG	-212	-0.07 %
HVDC	-357	-0.11 %
Interconnection	-569	-0.17 %
Net Energy	325,512	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:	16:00:00 Hour
Total Set On Bus	16,893 MW
TNB Generation	6,350 MW
IPP Generation	9,190 MW
Spinning Reserve	1,320 MW
Maximum Demand	15,585 MW
Net Energy	325,512 MWH
Load Factor	87.03 %

Fuel Cost

Total Cost:	47,988,873.75 RM
Cost per Unit	16.45 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	512
Hydro	447
Syncon	408
Thermal	76
Total	1,443

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	100
GLGR	53
NPRI	63
PAKA	183
PGPS	53
SRDG	22
TJGS	163
Total TNB	638

KLPP	113
MPSS	4
PDPS	14
PGLA	113
PKLG	10
PLPS	95
PTEK	13
SGB3	71
SGRI	157
SKSP	51
PKLG	112
Total IPP	752
Total Gas	1,390

Total Gas Required 1,390

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	13028	12415	11921	11523	11197	11049	11099	11310	11731	13521	14446	15084	15047	14823	15216	15516	15585	15344	14149	13719	14827	14636	14029	13700

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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
LPJA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LPJA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	20	20	20	113	113	113	22	21	21	21	21
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	113	112	21	23	21	21	22	
PGAU	HY03	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	81	82	72	19	23	24	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	112	112	57	22	22	22	
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	16	16	16	16	16	16	16	16
TMGR	HY02	23	36	38	41	37	34	32	33	36	40	28	33	33	40	36	37	39	33	35	40	74	89	85	75
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	38	76	83	83	75	50	29	35
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		219	209	224	246	213	204	200	201	245	227	195	202	203	260	245	241	248	307	354	521	944	1170	1305	1445
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	CURF	6	7	6	8	8	8	7	7	8	7	6	8	8	8	8	7	7	7	7	6	6	6	6	6
PCUF	CURF	26	25	29	27	27	28	29	30	30	28	6	5	8	9	12	11	13	11	12	12	19	26	26	25
Total Co-Gen		32	32	35	35	35	36	36	37	38	35	13	11	16	17	20	19	21	18	19	19	26	32	32	33
Total Gen		13043	12589	12352	12098	11872	11590	11506	11284	11140	11102	11018	11040	11045	11202	11240	11280	11637	12754	13468	13899	14449	14715	15061	15289
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		-31	-35	-33	-33	-32	-33	-31	-34	-34	-28	-31	-33	-31	-32	-34	-34	-32	-33	-33	-31	0	0	0	0
TIE-PLTG		47	-7	-30	-40	-17	6	14	-23	-23	-15	0	3	-24	-48	-36	-34	-60	5	-20	-54	36	-3	-23	
Interconnection		15	-42	-63	-74	-49	-28	-17	-57	-57	-43	-31	-30	-54	-80	-70	-68	-94	-27	-53	-87	3	-34	-23	
System Total		13028	12631	12415	12172	11921	11618	11523	11341	11197	11145	11049	11070	11099	11282	11310	11348	11731	12781	13521	13986	14446	14749	15084	15297
SRcv ST-Coal		69	84	91	126	143	132	124	118	131	136	125	116	126	124	129	131	121	120	127	111	103	101	85	91
SRcv CCGT-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
SRcv CCGT-Gas		248	450	674	687	885	1047	1059	1275	1447	1459	1500	1492	1482	1386	1331	1280	1085	543	388	179	406	386	351	304
SRcv ST-Gas		-1	-1	-1	0	0	78	73	72	72	71	71	71	71	71	71	72	72	51	18	12	8	2	2	4
SRcv Co-Gen		8	8	5	5	5	4	4	3	2	5	27	29	24	23	20	21	19	22	21	21	14	8	8	8
Syncon		687	838	964	964	964	964	964	964	964	813	964	964	964	813	928	756	605	454	353	227	227	328	328	328
Hydro		294	114	98	76	109	118	122	121	228	95	127	120	120	213	77	81	74	244	221	335	213	338	454	615
S.Reserve Total		1430	1618	1831	1858	2186	2343	2346	2553	2693	2730	2814	2792	2787	2630	2582	2549	2335	1793	1783	1414	1383	1399	1409	1412