

Daily System Generation Summary on Sunday

Sunday, February 05, 2017

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,286 MW
Hydro	2,332 MW
Distillate	0 MW
Total TNB	5,618 MW
Total IPP	13,608 MW
Total Co-Gen	80 MW
Total System	19,588 MW

Generation Mix

Type	MWh	Percentage
Gas	30,276	10.01 %
Hydro	15,576	5.15 %
Total TNB	45,852	15.17 %
ST-Coal	155,535	51.44 %
Gas	100,180	33.13 %
Total IPP	255,715	84.58 %
Co-Gen	1,666	0.55 %
Total Co-Gen	1,666	0.55 %
Total Generation	303,233	100.29 %
PLTG	153	0.05 %
HVDC	730	0.24 %
Interconnection	883	0.29 %
Net Energy	302,350	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	15,974 MW
TNB Generation	2,330 MW
IPP Generation	11,925 MW
Spinning Reserve	1,649 MW
Maximum Demand	14,292 MW
Net Energy	302,350 MWH
Load Factor	88.15 %

Fuel Cost

Total Cost:	48,981,793.30 RM
Cost per Unit	17.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	409
Hydro	143
Syncon	953
Thermal	189
Total	1,694

Time Weather Temperature

Afternoon	Sunny	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	31
GLGR	54
PGPS	28
SRDG	6
TJGS	109
Total TNB	228
CBPS	55
KLPP	97
MPSS	33
NPRI	76
PGLA	111
PLPS	79
PTEK	17
SGB3	43
SGRI	188
SKSP	50
Total IPP	750
Total Gas	978
Total Gas Required	978

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	13425	12983	12640	12125	11887	11612	11571	11348	10697	11325	12018	12420	12639	12611	12808	13004	13026	12677	12360	12774	14066	14237	14042	13825

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

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																										
PCUF	CUFK	39	33	32	33	33	32	33	33	32	34	33	32	30	32	33	33	33	34	31	31	32	32	33	31	32	32	31	31	32	31	32	31	32	29	32	32	32	32	31	34										
Total Co-Gen		77	71	70	71	72	70	71	71	70	71	71	70	68	70	71	71	72	72	67	68	69	68	69	68	68	68	70	66	67	68	69	67	69	68	68	69	69	69	66	70	70	69	70	68	73					
Total Gen		13460	13152	13004	12816	12669	12415	12166	12087	11926	11789	11591	11580	11603	11587	11439	11033	10780	11057	11321	11616	12010	12334	12438	12681	12667	12620	12641	12800	12855	12996	13035	13040	13038	12970	12753	12602	12439	12413	12796	13655	14038	14255	14253	14325	14087	13966	13828	13546		
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	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	31	31	31	31	30	31	30	30	31	31	30	30	31	31	31	31	31	30	30	30	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	29	29	30	30	31	31	30	30	30	30				
TIE-PLTG		4	-85	-10	46	-2	29	11	-15	9	74	-51	0	2	61	60	18	52	1	-35	28	-38	31	-12	-32	-3	17	0	-23	16	18	1	27	-18	69	46	38	48	61	-8	18	-58	9	-14	3	15	-16	-28	-57		
Interconnection		35	-54	21	77	29	59	41	15	39	104	-21	30	32	92	91	49	83	31	-4	58	-8	62	18	-2	28	48	30	7	47	48	31	58	12	99	76	68	79	91	22	47	-28	39	16	33	45	14	3	-27		
System Total		13425	13206	12983	12739	12640	12356	12125	12072	11887	11685	11612	11550	11571	11495	11348	10984	10697	11026	11325	11558	12018	12272	12420	12683	12639	12572	12611	12793	12808	12948	13004	12982	13026	12871	12677	12534	12360	12322	12774	13608	14066	14216	14237	14292	14042	13952	13825	13573		
SRev ST-Coal		60	30	44	44	43	45	139	313	308	319	253	251	222	237	235	173	200	177	163	176	178	182	174	168	187	186	185	180	190	176	180	173	187	185	180	179	180	179	185	160	158	172	154	241	313	113	149	141		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	33	7	33	31	31	4	4	4	1
SRev CCGT-Gas		176	309	285	464	612	671	752	596	749	885	1009	1049	1049	1073	1191	1604	1793	1648	1404	975	876	600	753	556	546	590	563	422	454	346	308	310	254	353	533	685	867	1153	1020	716	383	231	305	237	181	161	126	201		
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	0	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		3	9	10	9	8	10	9	9	10	10	9	9	10	12	10	9	8	8	13	12	11	12	11	13	12	12	12	12	10	14	13	12	11	13	11	12	12	11	11	11	14	10	10	11	10	12	7			
Syncon		975	975	975	975	975	824	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	975	976	976	975	975	935	1061	910	910	910	910	910	1061	1212	910	1061	1061	1061	1061	1061	874	874	874	572	572	759		
Hydro		72	67	71	81	82	80	209	73	81	76	74	74	79	205	88	94	84	85	79	78	62	74	131	63	66	71	78	65	67	201	192	193	194	216	105	106	237	113	154	88	66	108	247	256	303	306	341	377		
S.Reserve Total		1286	1390	1385	1573	1720	1781	1933	1966	2123	2265	2320	2368	2335	2351	2499	2855	3061	2893	2629	2217	2103	1842	2045	1774	1788	1834	1813	1614	1784	1643	1604	1599	1557	1675	1892	2193	2206	2518	2439	2069	1686	1619	1621	1649	1686	1166	1204	1486		