

Daily System Generation Summary on Thursday

Thursday, November 24, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,173 MW
Hydro	2,325 MW
Distillate	0 MW
Total TNB	4,498 MW
Total IPP	14,706 MW
Total Co-Gen	20 MW
Total System	19,788 MW

Generation Mix

Type	MWh	Percentage
Gas	43,303	12.56 %
Hydro	8,794	2.55 %
Total TNB	52,097	15.11 %
ST-Coal	198,675	57.63 %
Gas	93,263	27.05 %
Total IPP	291,938	84.68 %
Co-Gen	428	0.12 %
Total Co-Gen	428	0.12 %
Total Generation	344,463	99.92 %
PLTG	412	0.12 %
HVDC	-695	-0.20 %
Interconnection	-283	-0.08 %
Net Energy	344,746	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:	14:30:00 Hour
Total Set On Bus	17,972 MW
TNB Generation	2,863 MW
IPP Generation	13,506 MW
Spinning Reserve	1,584 MW
Maximum Demand	16,408 MW
Net Energy	344,746 MWH
Load Factor	87.55 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	460
Hydro	436
Syncon	788
Thermal	190
Total	1,874

Time Weather Temperature

Afternoon	Hot	32
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	31
PAKA	120
PGPS	26
SRDG	4
TJGS	105
Total TNB	344
CBPS	53
KLPP	93
MPSS	54
NPRI	76
PGLA	95
PKLG	3
PLPS	86
PTEK	14
SGB3	50
SGRI	160
SKSP	32
Total IPP	717
Total Gas	1,061

Total Gas Required 1,061

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	13812	13168	12663	12350	12146	11959	12128	12239	12712	14344	15283	15958	15887	15624	16213	16265	16031	15578	14743	15139	15458	15246	14763	14367

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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
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	-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	36	35	36	36	36	36	33	33	28	33	36	36	39	36	36	32	36	35	37	36	36	36	35	36
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
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		200	186	195	193	192	192	190	208	184	170	179	185	193	220	194	211	180	188	188	242	235	379	379	441
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	17	17	17	18	18	18	18	19	18	18	18	17	17	17	16	17	17	16	17	19	17	18	17	18
Total Co-Gen		17	17	17	18	18	18	18	19	18	18	18	17	17	17	16	17	17	16	17	19	17	18	17	18
Total Gen		13776	13408	13137	12915	12623	12486	12329	12214	12182	12061	11989	11987	12086	12254	12229	12184	12725	13677	14340	14856	15252	15749	15930	
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		-29	-30	-30	-28	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-31	-28	-28	
TIE-PLTG		-6	54	-1	-6	-10	12	7	48	64	79	59	30	-13	-37	19	34	42	-16	25	7	-3	11	2	
Interconnection		-36	23	-31	-33	-40	-17	-21	20	36	50	30	1	-42	-66	-10	5	13	-45	-4	-21	-31	-18	-28	
System Total		13812	13385	13168	12946	12663	12503	12350	12194	12146	12011	11959	11986	12128	12320	12239	12179	12712	13722	14344	14877	15283	15767	15958	
SRev ST-Coal		282	301	303	296	303	306	284	304	304	325	300	288	340	331	323	300	329	313	297	324	170	130	131	
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 CCGT-Gas		253	466	739	898	1182	1317	1495	1609	1613	1700	1804	1823	1669	1546	1560	1645	1757	1265	1152	762	513	450	303	
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		3	3	3	2	1	2	2	2	1	2	2	2	2	3	3	1	1	2	3	3	3	4	3	1
Syncron		1166	1166	1166	1166	1166	1166	1015	1166	1166	1166	1166	1166	1166	1015	1015	713	713	713	713	713	713	713	713	713
Hydro		133	147	138	140	141	141	143	276	149	163	154	148	140	264	139	273	153	154	154	401	408	666	639	
S.Reserve Total		1837	2083	2349	2502	2793	2932	3090	3206	3233	3356	3426	3427	3317	3159	3191	3234	3406	2900	2772	2505	2109	1963	1805	