

Daily System Generation Summary on Friday

Friday, January 12, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	14,566 MW
Total Co-Gen	0 MW
Total System	20,428 MW

Generation Mix

Type	MWh	Percentage
Gas	36,439	11.60 %
Hydro	18,861	6.01 %
Total TNB	55,300	17.61 %
ST-Coal	167,943	53.48 %
Gas	88,358	28.14 %
Total IPP	256,301	81.62 %
Co-Gen	1,491	0.47 %
Total Co-Gen	1,491	0.47 %
Total Generation	313,092	99.70 %
PLTG	-231	-0.07 %
HVDC	-696	-0.22 %
Interconnection	-927	-0.30 %
Net Energy	314,019	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	11:30:00 Hour
Total Set On Bus	16,210 MW
TNB Generation	2,774 MW
IPP Generation	11,781 MW
Spinning Reserve	1,593 MW
Maximum Demand	14,662 MW
Net Energy	314,019 MWH
Load Factor	89.24 %

Fuel Cost

Total Cost:	55,173,503.88 RM
Cost per Unit	18.75 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	510
Hydro	394
Syncon	584
Thermal	154
Total	1,642

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	31
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	12
TJGS	202
Total TNB	264
CBPS	51
KLPP	96
NPRI	140
PGLA	102
PLPS	80
SGRI	40
YPKA	71
Total IPP	580
Total Gas	844
Total Gas Required	844

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	12378	11736	11445	11213	11147	11051	11379	11811	12082	13477	14070	14559	14413	13818	13843	14284	14433	14240	13690	13885	14495	14098	13388	12871

Prepared By: Kannathason a/l Karupiah

Checked By: -Select Name-

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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
TIE-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-44	-14	1	-36	-23	-46	4	19	2	-55	-25	-3	-10	48	9	53	-56	-54	-54	-86	-14	13	-48	-16
Interconnection		-72	-42	-28	-65	-52	-75	-25	-10	-27	-84	-54	-32	-39	19	-20	23	-85	-83	-83	-115	-43	-16	-78	-45
System Total		12378	11992	11736	11560	11445	11344	11213	11143	11147	10914	11051	11165	11379	11826	11811	11806	12082	13004	13477	13888	14070	14406	14559	14662
SRev ST-Coal		206	262	247	233	256	259	264	256	299	589	296	291	248	253	234	244	251	253	251	254	251	220	56	60
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		1305	1552	1660	1841	1931	2042	2032	2027	1960	1912	1693	1661	1529	1011	1063	1016	1054	732	564	408	560	376	506	507
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		-2	-5	-3	-8	-3	-7	-6	-7	-7	-8	-6	-9	-8	-7	-8	-7	-7	-6	-6	-10	-7	-6	-6	-5
Syncon		1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1047	1198	1198	1349	1349	1198	1198	896	540	540	540	540	540	540
Hydro		149	150	144	144	144	144	144	145	141	121	131	121	265	119	142	142	133	267	274	287	513	454	490	491
S.Reserve Total		2856	3157	3246	3408	3526	3636	3632	3619	3591	3812	3312	3262	3081	2574	2629	2744	2780	2444	2281	1835	1857	1584	1586	1593