

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	1,811 MW
Distillate	0 MW
Total TNB	4,602 MW
Total IPP	15,297 MW
Total Co-Gen	30 MW
Total System	20,493 MW

Generation Mix

Type	MWh	Percentage
Gas	40,439	12.58 %
Hydro	20,121	6.26 %
Total TNB	60,560	18.84 %
ST-Coal	189,855	59.08 %
Gas	69,390	21.59 %
Total IPP	259,245	80.67 %
Co-Gen	129	0.04 %
Total Co-Gen	129	0.04 %
Total Generation	319,934	99.55 %
PLTG	-794	-0.25 %
HVDC	-637	-0.20 %
Interconnection	-1,431	-0.45 %
Net Energy	321,365	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:	19:30:00 Hour
Total Set On Bus	15,909 MW
TNB Generation	3,218 MW
IPP Generation	11,634 MW
Spinning Reserve	1,052 MW
Maximum Demand	14,922 MW
Net Energy	321,365 MWH
Load Factor	89.73 %

Fuel Cost

Total Cost:	49,093,167.10 RM
Cost per Unit	16.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	357
Hydro	304
Syncon	568
Thermal	318
Total	1,547

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	5
SRDG	3
TJGS	224
Total TNB	286
CBPS	56
KLPP	57
NPRI	152
PGLA	92
PLPS	72
PTEK	5
YPKA	8
Total IPP	441
Total Gas	727
Total Gas Required	727

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	13602	13163	12567	12337	12087	11782	11891	11678	11639	12767	13577	14144	14013	13767	13994	14098	14143	13854	13603	13931	14859	14768	14477	14101

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, October 17, 2017 11:25:01 AM

(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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
PTEK	CT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
BSIA	HY01	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	22	22	22	22	22	13	13	13	13	13	13	13	13	13	13	12	12	11	11	23	23	22	22	22
BSIA	HY03	24	24	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
KNRG	HY01	36	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	37	38	38	38	38	39	39	39	39	38	38	38	38	38	37	37	37	37	37	24	24	23	23	23
KNRG	HY03	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	93	99	98	100	98	98	97	100	100	98	98	98	99	100	99	98	100	100	99	100	100	99	99	99
KNYR	HY02	93	99	98	99	98	98	97	100	101	98	98	98	99	101	99	98	100	103	103	99	100	102	100	99
KNYR	HY03	95	99	99	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY04	95	100	99	100	100	99	100	100	100	100	99	100	99	100	99	100	100	99	99	100	100	99	99	99
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	6	6	6	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	7	7	7	7	7	7
PGAU	HY01	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
PGAU	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
SIHY	HY01	30	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	45	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	50	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	20	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	16	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	16	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	65	64	65	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	67	65	66	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
TMGR	HY03	63	62	63	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	64	63	64	34	34	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
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
UJLI	HY03	-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	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
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		1052	856	857	736	604	574	535	542	543	564	564	563	566	589	565	564	567	664	795	813	657	969	1084	1346
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	5	5	6	5	5	5	5	4	5	5	5	5	6	6	7	8	4	6	9	5	5	5	6	8
Total Co-Gen		5	5	6	5	5	5	5	4	5	5	5	5	6	6	7	8	4	6	9	5	5	5	6	8
Total Gen		13501	13346	13111	12869	12481	12389	12275	12045	12006	11750	11732	11751	11817	11795	11611	11462	11538	12230	12665	13108	13515	13866	14036	14223
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	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-71	-30	-24	-59	-27	-34	-71	-52	-38	-21	-19	-44	-31	-38	-60	-72	-19	-73	-52	-33	-77	-108	-56	
Interconnection		-101	-60	-52	-88	-86	-56	-62	-99	-81	-67	-50	-48	-74	-61	-67	-89	-101	-49	-102	-82	-62	-106	-108	
System Total		13602	13406	13163	12957	12567	12444	12337	12144	12087	11817	11782	11799	11891	11856	11678	11551	11639	12279	12767	13190	13577	13972	14144	

Daily MW Generation on Saturday

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																								
SRev ST-Coal		189	299	295	292	289	297	373	410	404	406	407	396	398	406	403	400	385	302	282	297	289	296	285	313	347	344	344	340	342	351	333	340	302	329	300	302	308	312	312	334	325	315	308	318	299	306	299	335
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	99	0	7	130	140	137	79	0	0
SRev CCGT-Gas		637	427	406	527	426	476	346	276	276	503	382	369	308	336	508	656	861	702	485	401	138	123	184	327	197	311	274	302	203	174	441	472	532	674	387	379	464	490	420	228	446	464	323	461	472	435	591	547
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
SRev Co-Gen		25	25	24	25	25	25	25	26	25	25	27	25	24	24	23	22	26	24	21	25	25	25	24	22	24	26	24	24	25	24	27	25	24	25	23	24	26	25	25	26	25	24	24	25	26	23	25	
Syncon		626	626	626	626	712	712	947	1098	1098	1098	1098	1098	947	1098	1098	1098	821	821	777	1012	861	674	403	554	638	911	760	760	760	573	363	277	277	403	825	724	724	403	172	172	172	298	277	298	298	485	313	
Hydro		165	99	98	219	119	125	79	71	70	86	86	87	84	212	85	86	83	263	170	220	141	205	277	208	428	333	256	329	300	333	399	389	364	366	506	145	93	95	405	194	336	332	340	364	358	348	370	508
S.Reserve Total		1642	1476	1449	1689	1571	1635	1770	1880	1874	2118	1998	1977	1913	1925	2118	2263	2449	2114	1782	1716	1605	1510	1445	1275	1548	1650	1811	1755	1629	1643	1770	1591	1500	1670	1621	1674	1613	1647	1565	1052	1305	1315	1423	1584	1589	1492	1768	1728