

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,286 MW
Hydro	2,146 MW
Distillate	0 MW
Total TNB	5,432 MW
Total IPP	14,037 MW
Total Co-Gen	82 MW
Total System	19,833 MW

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:	21:00:00 Hour
Total Set On Bus	15,489 MW
TNB Generation	2,078 MW
IPP Generation	11,948 MW
Spinning Reserve	1,396 MW
Maximum Demand	14,069 MW
Net Energy	297,557 MWH
Load Factor	88.12 %

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	24
TJGS	111
Total TNB	189
KLPP	96
MPSS	2
NPRI	148
PGLA	117
PLPS	70
SGB3	1
SGRI	203
SKSP	48
Total IPP	685
Total Gas	874
Total Gas Required	874

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	25,873	8.70 %
Hydro	14,795	4.97 %
Total TNB	40,668	13.67 %
ST-Coal	163,240	54.86 %
Gas	92,784	31.18 %
Total IPP	256,024	86.04 %
Co-Gen	1,641	0.55 %
Total Co-Gen	1,641	0.55 %
Total Generation	298,333	100.26 %
PLTG	48	0.02 %
HVDC	728	0.24 %
Interconnection	776	0.26 %
Net Energy	297,557	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	380
Hydro	118
Syncon	659
Thermal	374
Total	1,531

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	28

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	13382	12844	12417	11966	11595	11375	11340	11214	10604	11144	11845	12347	12365	12382	12588	12697	12624	12532	12210	12556	13893	14069	13913	13595

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 13, 2017 8:55:22 AM

(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
TJGS	GT2B	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215
TJGS	ST2C	258	258	258	258	256	256	256	256	256	256	256	256	258	258	258	258	258	258	258	258	258	258	258	256
Total CCGT-Gas		5540	5157	4947	4618	4643	4544	4495	4522	4460	4494	4478	4469	4437	4522	4419	3966	3813	4109	4031	3965	4274	4719	4928	4980
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
BSIA	HY03	11	11	11	11	12	11	11	11	11	11	12	12	12	12	12	12	13	12	11	11	11	11	11	10
CEND	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
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY01	20	20	20	20	21	20	20	20	21	20	21	21	21	21	21	21	21	21	21	20	20	20	20	20
KNYR	HY01	105	105	104	104	105	105	104	104	104	104	105	105	106	106	105	106	105	104	104	104	104	103	104	104
KNYR	HY02	105	105	104	104	105	105	104	105	104	105	105	106	106	106	106	105	106	106	104	104	104	104	103	104
KNYR	HY03	106	106	106	105	106	106	106	106	105	106	106	107	107	106	107	107	106	107	107	105	105	105	105	106
KNYR	HY04	106	106	106	105	106	106	106	106	106	106	107	108	108	107	107	107	108	107	106	106	106	106	105	106
LPIA	HY01	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	14	20	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
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	30
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	30
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	30
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	16
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	16
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	16
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	16
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	34	35	32	36	36	35	35	35	35	36	38	43	42	39	37	41	41	40	39	44	40	34	33
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		542	540	539	534	543	542	540	540	539	540	539	563	547	580	555	548	546	553	553	567	635	559	552	538
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	CUFG	41	41	42	40	36	36	44	42	38	36	36	37	38	38	37	39	38	38	37	37	35	37	37	36
PCUF	CUFK	8	11	17	33	32	32	32	31	32	32	30	33	31	32	32	31	32	33	32	31	33	32	33	31
Total Co-Gen		49	52	59	73	68	68	76	73	70	68	66	70	69	70	71	69	71	71	70	68	70	67	70	68
Total Gen		13443	13059	12857	12550	12451	12199	12020	11859	11664	11543	11415	11422	11377	11360	11228	10773	10613	10917	11120	11470	11818	12190	12373	12426
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	30	30	30	30	30	30	30	30	31	31	30	30	31	31	29	29	30	30	31	31	31	31	30
TIE-PLTG		30	29	-17	12	4	-25	24	3	40	52	10	-2	6	-6	-16	30	-22	-34	-54	-34	-58	0	-5	
Interconnection		61	59	13	41	34	5	54	33	69	82	40	29	37	24	14	61	9	-4	-24	-3	-27	31	26	
System Total		13382	13000	12844	12509	12417	12194	11966	11826	11595	11461	11375	11393	11340	11336	11214	10712	10604	10921	11144	11473	11845	12159	12347	
SRer ST-Coal		260	265	262	250	359	355	370	367	424	433	545	556	550	605	608	602	601	603	439	404	426	422	433	

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																									
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	0	0	0	0	0				
SRev CCGT-Gas		509	739	660	843	441	540	589	562	624	590	606	615	647	562	665	1118	1271	975	1053	1119	810	690	481	429	374	378	248	158	522	386	617	638	694	656	783	810	938	927	705	325	287	191	159	205	323	244	275	267	
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		33	30	23	9	14	14	6	9	12	14	16	12	13	12	11	13	11	11	12	14	11	12	12	14	12	15	12	14	15	12	12	11	13	13	11	12	11	11	15	13	14	14	15	15	15	15	14	13	13
Syncon		788	788	788	788	788	788	788	788	788	788	637	788	637	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	788	637	637	763	763	763	763	763	763
Hydro		70	72	73	78	69	70	72	72	73	72	73	200	65	183	57	64	66	59	59	196	254	54	61	75	76	70	62	55	69	77	78	203	76	76	84	76	91	77	68	279	198	200	198	199	204	303	303	199	
S.Reserve Total		1660	1894	1806	1968	1671	1767	1825	1798	1921	1897	2028	2020	2063	1999	2129	2585	2737	2436	2351	2370	1987	1815	1624	1574	1522	1513	1382	1287	1664	1524	1768	1768	1835	1955	2068	2115	2259	2217	2008	1634	1437	1428	1396	1452	1561	1725	1654	1563	