

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,589 MW
Hydro	2,357 MW
Distillate	0 MW
Total TNB	<u>4,946 MW</u>
Total IPP	<u>14,594 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>20,104 MW</u>

### 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:	15:30:00 Hour
Total Set On Bus	17,338 MW
TNB Generation	2,990 MW
IPP Generation	12,757 MW
Spinning Reserve	1,536 MW
Maximum Demand	15,744 MW
Net Energy	342,553 MWH
Load Factor	90.66 %

### Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	55
PAKA	92
PGPS	38
SRDG	9
TJGS	112
<b>Total TNB</b>	<b>363</b>
CBPS	54
KLPP	74
MPSS	49
NPRI	155
PGLA	105
PLPS	71
PTEK	17
SGRI	185
SKSP	29
<b>Total IPP</b>	<b>738</b>
<b>Total Gas</b>	<b>1,100</b>
<b>Total Gas Required</b>	<b>1,100</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
Gas	46,160	13.48 %
Hydro	13,293	3.88 %
<b>Total TNB</b>	<b>59,453</b>	<b>17.36 %</b>
ST-Coal	184,236	53.78 %
Gas	98,758	28.83 %
<b>Total IPP</b>	<b>282,994</b>	<b>82.61 %</b>
Co-Gen	1,455	0.42 %
<b>Total Co-Gen</b>	<b>1,455</b>	<b>0.42 %</b>
<b>Total Generation</b>	<b>343,902</b>	<b>100.39 %</b>
PLTG	630	0.18 %
HVDC	719	0.21 %
<b>Interconnection</b>	<b>1,349</b>	<b>0.39 %</b>
<b>Net Energy</b>	<b>342,553</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	439
Hydro	538
Syncon	538
Thermal	105
<b>Total</b>	<b>1,620</b>

#### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

### 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	14439	13690	13289	12915	12635	12343	12329	12555	12710	14165	15058	15552	15494	14966	15124	15714	15696	15387	14502	14250	15348	15128	14599	14301

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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
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Total Hydro		550	609	389	346	252	259	222	214	212	213	207	212	206	226	219	211	211	422	589	772	936	923	805	780
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	29	28	29	28	29	30	31	30	29	29	28	30	28	28	29	29	27	29	28	28	27	28	26	27
PCUF	CUFK	35	35	37	37	37	38	37	38	38	38	38	37	39	39	40	38	39	36	36	29	29	29	28	27
Total Co-Gen		64	63	66	65	66	67	67	69	68	67	67	67	69	67	68	63	65	57	57	56	56	53	57	55
Total Gen		14524	14217	13747	13571	13282	13134	12852	12756	12686	12513	12390	12484	12370	12507	12593	12488	12773	13659	14203	14799	15090	15393	15601	15614
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	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	31	31	31	31	30	30	30
TIE-PLIG		55	19	27	9	-27	111	7	82	21	24	17	20	11	22	8	56	33	49	8	-9	2	-46	18	-33
Interconnection		85	49	57	39	3	141	37	112	51	54	47	50	41	52	38	86	63	79	38	21	32	-15	49	-2
System Total		14439	14168	13690	13532	13289	12883	12815	12644	12635	12459	12343	12434	12329	12455	12555	12402	12710	13580	14165	14778	15058	15408	15552	15616
S.Rev ST-Coal		67	110	168	216	203	232	216	227	225	230	227	217	216	214	210	225	209	238	126	182	133	80	69	75
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	-1	-1	-1	90	91
S.Rev CCGT-Gas		713	482	608	508	707	844	1005	1184	1253	1421	1541	1460	1571	1456	1367	1383	1205	777	407	101	455	288	305	313
S.Rev 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
S.Rev Co-Gen		-16	-15	-18	-17	-18	-19	-19	-21	-20	-19	-19	-17	-19	-19	-21	-19	-20	-15	-17	-9	-9	-8	-8	-5
Syncon		971	971	971	1223	1324	1324	1324	1324	1324	1324	1324	1324	1324	1173	1324	1324	1324	1122	971	482	356	356	459	459
Hydro		178	119	264	105	98	91	78	86	88	87	93	88	94	225	81	89	89	80	213	519	481	494	609	634
S.Reserve Total		1913	1667	1993	2835	2314	2472	2604	2800	2870	3043	3166	3072	3186	3049	2953	3000	2808	2197	1702	1267	1416	1209	1485	1472