

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,509 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,552 MW</b>
<b>Total IPP</b>	<b>15,338 MW</b>
<b>Total Co-Gen</b>	<b>40 MW</b>
<b>Total System</b>	<b>21,494 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	36,700	12.47 %
Hydro	18,344	6.23 %
<b>Total TNB</b>	<b>55,044</b>	<b>18.71 %</b>
ST-Coal	187,080	63.58 %
Gas	52,079	17.70 %
<b>Total IPP</b>	<b>239,159</b>	<b>81.28 %</b>
Co-Gen	398	0.14 %
<b>Total Co-Gen</b>	<b>398</b>	<b>0.14 %</b>
<b>Total Generation</b>	<b>294,601</b>	<b>100.12 %</b>
PLTG	-314	-0.11 %
HVDC	670	0.23 %
<b>Interconnection</b>	<b>356</b>	<b>0.12 %</b>
<b>Net Energy</b>	<b>294,245</b>	<b>100.00 %</b>

### 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:	20:30:00 Hour
Total Set On Bus	15,196 MW
TNB Generation	2,914 MW
IPP Generation	10,900 MW
Spinning Reserve	1,376 MW
Maximum Demand	13,798 MW
Net Energy	294,245 MWH
Load Factor	88.85 %

### Fuel Cost

Total Cost:	44,285,282.60 RM
Cost per Unit	16.14 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	381
Hydro	367
Syncon	872
Thermal	258
<b>Total</b>	<b>1,878</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	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	13577	13247	12744	12316	12009	11769	11538	11024	10366	10647	11302	11811	11951	12074	12147	12312	12383	12317	12193	12561	13682	13640	13406	13259

### Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	212
<b>Total TNB</b>	<b>260</b>
CBPS	55
KLPP	6
NPRI	153
PGLA	78
PLPS	50
SGB3	1
<b>Total IPP</b>	<b>342</b>
<b>Total Gas</b>	<b>602</b>
<b>Total Gas Required</b>	<b>602</b>

### Alternate Fuel Usage

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

## 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	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23					
JMAH	U002	694	690	692	695	695	673	380	354	353	209	211	215	213	215	213	104	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	
JMJG	U001	674	673	671	673	673	675	676	677	669	675	673	673	677	674	671	676	673	678	679	676	672	674	670	671	677	670	671	683	674	684	674	664	669	671	677	682	674	679	676	672	673	679	673	672	671	681	678	668	671				
JMJG	U002	669	668	676	675	672	670	673	671	674	669	671	671	671	671	673	671	672	666	671	672	671	682	668	672	672	671	672	678	668	681	660	677	671	675	672	677	672	686	665	673	670	671	676	673	671	678	668	671	678	668	671		
JMJG	U003	667	668	674	667	669	669	672	667	672	667	671	673	666	664	666	672	677	665	669	667	667	680	666	666	668	671	667	668	664	671	661	667	668	667	672	670	667	685	667	673	660	666	661	664	668	672	659	659	659	659	659		
JMJG	U004	853	854	853	851	850	851	852	850	792	753	753	754	754	755	754	755	714	704	702	704	701	700	702	701	703	701	758	751	752	752	751	752	753	752	749	751	750	750	758	785	843	903	906	906	906	883	854	851	851	851			
JMJG	U005	495	497	496	499	494	495	497	498	496	494	496	497	497	500	496	511	513	510	511	511	510	508	509	511	508	509	508	510	513	305	299	299	300	489	812	783	794	744	791	791	791	843	835	850	849	848	849	852	852	852			
PKLG	U003	282	282	282	284	281	282	282	285	279	282	280	282	283	284	285	285	286	280	283	284	282	276	280	285	277	280	281	284	283	283	282	284	283	280	279	169	149	151	256	283	279	282	285	284	284	283	280	283	283	282	282		
PKLG	U004	281	281	281	281	281	280	279	281	282	283	282	280	282	281	280	280	280	279	279	279	277	278	280	279	279	280	281	282	281	282	277	196	146	146	210	276	281	281	281	280	281	281	280	281	282	281	282	281	282				
PKLG	U005	467	470	470	469	469	469	470	470	413	338	274	268	269	269	267	268	271	326	416	465	468	470	468	469	467	469	470	470	470	468	470	444	363	288	268	269	349	435	475	470	466	467	462	470	473	470	473	470	469				
PKLG	U006	471	470	469	471	470	468	469	470	469	472	472	471	472	470	469	471	470	469	470	472	470	469	469	470	469	470	470	472	468	472	472	470	470	473	470	470	471	468	470	471	470	470	470	467	470	470	470	470	469				
TBIN	U001	687	689	689	689	689	691	690	689	689	690	689	691	690	688	686	689	688	687	688	688	687	688	687	688	687	689	687	688	689	687	690	687	687	689	686	688	688	690	686	687	689	688	687	687	688	689	687	688	689	687	689		
TBIN	U002	687	691	696	689	690	692	690	692	691	691	691	691	696	693	691	693	694	696	690	695	696	686	689	692	689	685	692	691	691	692	690	690	687	690	691	689	689	691	688	691	692	687	693	689	689	691	692	687	690	690	691		
TBIN	U003	691	692	688	691	692	690	689	690	689	686	692	691	689	692	690	691	692	689	692	687	691	689	688	691	690	692	688	691	690	691	689	690	692	690	691	693	688	688	690	692	692	688	691	692	689	691	692	689	691	692	689		
TBIN	U004	852	850	851	855	853	853	851	852	834	753	750	753	750	752	751	702	702	702	701	701	703	701	702	700	707	750	751	754	753	753	750	754	752	752	753	753	751	752	863	902	902	902	903	902	903	902	903	902	900	902	900		
Total ST-Coal		8470	8475	8488	8489	8478	8458	8172	8145	8021	7746	7602	7613	7611	7601	7599	7516	7330	7293	7364	7458	7486	7496	7483	7490	7485	7496	7595	7613	7597	7417	7370	7383	7385	7550	7796	7504	7413	7403	7657	7988	8111	8240	8223	8230	8234	8243	8169	8179	8179	8179	8179		
Total ST-Oil		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	0	0	0	
Total 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	0	0	0	0
CBPS	BLK2	355	361	365	364	362	362	360	361	358	366	367	358	358	362	362	361	358	352	361	357	365	356	362	360	361	359	359	360	361	363	357	350	358	362	358	362	369	360	363	363	365	364	361	361	365	364	362	364	362				
GLGR	GT01	67	68	68	69	68	70	69	69	68	68	69	69	69	70	67	67	68	69	73	104	103	102	102	103	102	101	101	101	101	101	88	68	67	68	68	68	68	68	68	68	68	68	68	69	69	67	67	68	67	68	67		
GLGR	GT02	69	68	68	67	68	69	68	68	67	68	68	68	68	68	68	68	68	68	76	109	108	108	109	108	108	108	108	108	108	107	107	87	68	68	68	67	68	68	68	67	67	68	68	68	68	68	68	68	68	68	68	68	68
GLGR	ST1C	71	71	72	71	71	72	72	72	72	72	72	72	72	71	71	72	72	72	72	71	73	97	99	98	98	98	97	98	97	97	89	75	75	72	72	72	72	71	71	72	72	71	71	71	72	71	72	71	72	71	72		
KLPP	GT13	123	121	50	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		
KLPP	GT15	126	127	151	111	91	8	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		
KLPP	ST17	119	119	111	50	54	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		
NPRI	BLK1	478	503	517	516	478	511	520	478	511	514	517	517	503	484	412	458	392	495	390	393	503	514	503	508	513	513	508	508	509	509	508	501	496	503	511	508	505	524	506	509	508	507	514	506	508	512	508	511	514	514			
NPRI	BLK2	482	505	519	521	482	517	524	487	515	518	517	521	502	488	422	461	489	500	392	395	505	514	506	511	513	515	512	512	512	513	512	506	500	505	518	512	511	527	510	512	512	511	519	511	513	516	510	514	514	514			
PCGP	PGRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	260	260	260	0	10	355	355	355	355	355	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	GT11	216	189	176	157	150	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	121	204	204	153	218	210	218	186	216	217	215	219	214	218	217	214	218	217	214	216	216				
PGLA	GT12	215	189	176	155	150	163	154	155	155	156	158	156	156	158	156	162	157	153	156	152	202	219	218	220	219	219	218	219	217	205	185	223	205	154	218	210	215	187	216	217	216	220	214	218	217	213	218	218					
PGLA	ST10	239																																																				



### 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
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10
CEND	HY02	9	8	9	8	8	8	8	8	8	6	7	7	7	7	7	9	9	8	8	8	8	8	8	8
CEND	HY03	10	10	10	10	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10
CEND	HY04	8	7	8	8	7	7	8	8	8	8	8	8	8	8	8	7	8	8	7	8	7	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	0	0	0	0	0	0	63	-1	-1
KNRG	HY01	25	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	23	23	23
KNRG	HY02	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	23	23	23
KNRG	HY03	23	23	24	24	24	24	24	24	24	24	25	24	25	24	25	25	25	24	24	24	25	25	23	23
KNYR	HY01	67	86	100	99	59	71	101	94	96	74	100	82	69	94	83	59	64	71	57	60	65	100	73	97
KNYR	HY02	100	0	0	0	0	62	100	102	102	102	79	64	100	63	60	68	78	87	60	69	102	79	93	101
KNYR	HY03	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	99	100	99	99	100	100	99	99
KNYR	HY04	98	98	100	101	91	96	101	95	73	75	101	96	97	101	97	59	62	85	58	59	89	100	99	98
LPJA	HY01	18	18	18	18	18	17	17	17	17	17	8	8	8	8	8	8	8	8	8	8	16	16	16	16
LPJA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	7	7	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	18	-1	-1	-1	19	-1	21	21	21	21	-1	-1	-1	20	-1	-1	-1	24	25	-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	0
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	0
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	0
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	0
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	0
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	0
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	51	52	34	34	34	34	34	34	34	35	34	34	34	35	35	34	33	35	34	35	34	33	0	0
TMGR	HY02	52	53	36	36	36	36	36	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	49	50	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	50	51	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
UPIA	HY01	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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
<b>Total Hydro</b>		<b>799</b>	<b>700</b>	<b>651</b>	<b>582</b>	<b>549</b>	<b>548</b>	<b>666</b>	<b>691</b>	<b>635</b>	<b>614</b>	<b>727</b>	<b>578</b>	<b>562</b>	<b>513</b>	<b>484</b>	<b>297</b>	<b>314</b>	<b>353</b>	<b>452</b>	<b>431</b>	<b>446</b>	<b>619</b>	<b>631</b>	
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PCUF	CUFG	30	28	27	29	28	29	29	30	30	31	31	30	33	31	30	21	0	0	0	0	0	0	0	0
PCUF	CUFK	37	4	4	5	6	6	5	6	3	5	6	5	6	5	6	4	4	6	4	3	5	6	4	4
<b>Total Co-Gen</b>		<b>67</b>	<b>32</b>	<b>31</b>	<b>34</b>	<b>34</b>	<b>35</b>	<b>33</b>	<b>35</b>	<b>32</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>35</b>	<b>39</b>	<b>37</b>	<b>36</b>	<b>25</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>6</b>	
<b>Total Gen</b>		<b>13602</b>	<b>13330</b>	<b>13232</b>	<b>12970</b>	<b>12744</b>	<b>12458</b>	<b>12328</b>	<b>12154</b>	<b>12055</b>	<b>11748</b>	<b>11783</b>	<b>11610</b>	<b>11525</b>	<b>11431</b>	<b>11023</b>	<b>10567</b>	<b>10389</b>	<b>10476</b>	<b>10701</b>	<b>10988</b>	<b>11354</b>	<b>11739</b>	<b>11846</b>	
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	31	31	30	30	30	30	30	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		-6	5	-46	-26	-50	-86	-18	-10	16	-24	-17	-2	-44	-20	-31	-35	-7	1	24	5	21	15	4	
Interconnection		25	36	-15	4	-20	-56	12	20	46	7	14	29	-13	10	-1	-4	23	31	54	36	52	46	35	
<b>System Total</b>		<b>13577</b>	<b>13294</b>	<b>13247</b>	<b>12966</b>	<b>12744</b>	<b>12514</b>	<b>12316</b>	<b>12134</b>	<b>12009</b>	<b>11741</b>	<b>11769</b>	<b>11581</b>	<b>11538</b>	<b>11421</b>	<b>11024</b>	<b>10571</b>	<b>10366</b>	<b>10445</b>	<b>10647</b>	<b>10952</b>	<b>11302</b>	<b>11693</b>	<b>11811</b>	
SRcv ST-Coal		187	182	169	168	179	199	235	236	183	244	223	206	209	219	222	217	179	219	204	199	171	265	279	

