

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,448 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,448 MW</b>
<b>Total IPP</b>	<b>17,550 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>22,821 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	9,822	2.68 %
Gas	34,892	9.53 %
<b>Total TNB</b>	<b>44,714</b>	<b>12.21 %</b>
ST-Coal	243,149	66.41 %
LSS	2,703	0.74 %
Gas	73,904	20.18 %
<b>Total IPP</b>	<b>319,756</b>	<b>87.33 %</b>
Co-Gen	926	0.25 %
<b>Total Co-Gen</b>	<b>926</b>	<b>0.25 %</b>
<b>Total Generation</b>	<b>365,396</b>	<b>99.79 %</b>
PLTG	-60	-0.02 %
HVDC	-698	-0.19 %
<b>Interconnection</b>	<b>-758</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>366,154</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,630 MW
TNB Generation	2,657 MW
IPP Generation	14,350 MW
Spinning Reserve	1,555 MW
Maximum Demand	17,087 MW
Net Energy	366,154 MWH
Load Factor	89.29 %

### Fuel Cost

Total Cost:	57,109,928.18 RM
Cost per Unit	15.63 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	394
Hydro	329
Syncon	1,006
Thermal	162
<b>Total</b>	<b>1,891</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	202
<b>Total TNB</b>	<b>249</b>
CBPS	1
KLPP	89
NPRI	148
PGLA	106
PLPS	49
YPKA	41
<b>Total IPP</b>	<b>434</b>
<b>Total Gas</b>	<b>683</b>
<b>Total Gas Required</b>	<b>683</b>

### Alternate Fuel Usage

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

### 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	15358	14526	14159	13715	13289	13068	13155	13298	13346	14957	15742	16319	16293	15973	16244	16928	17043	16851	15673	15440	16453	16351	16033	15696

### 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																												
JMAH	U002	692	692	695	693	694	695	694	693	695	696	692	692	694	694	694	691	690	689	700	694	692	694	691	694	693	698	694	695	689	696	694	694	691	689	689	697	693	696	694	694	693	694	696	692	692	689	696	693				
JMHE	U001	979	980	975	800	800	801	802	798	800	803	799	802	803	801	801	799	799	801	984	980	979	982	980	981	980	981	983	981	978	980	979	981	983	981	976	981	977	979	977	979	980	981	982	982	979	981	981	984	981			
JMHE	U002	978	976	985	982	800	804	799	799	803	802	798	800	801	799	801	800	796	801	981	981	978	979	980	981	978	975	981	979	980	981	980	980	980	981	976	979	977	978	979	978	979	979	979	981	980	980	981	983	983			
JMJG	U001	677	675	674	679	674	675	677	677	678	680	662	645	646	643	666	677	678	677	678	673	673	678	674	678	677	676	678	672	677	677	672	677	673	677	677	675	677	678	672	672	675	677	672	677	673	677	678	677	678	677		
JMJG	U003	668	667	668	669	668	672	668	667	667	667	667	651	644	643	644	657	672	669	667	669	668	670	667	668	668	667	667	664	669	667	668	668	667	670	671	670	668	671	668	672	668	668	670	670	669	671	668	671	668			
JMJG	U004	903	861	804	805	805	806	808	805	807	803	804	805	807	804	804	804	805	808	897	906	905	904	905	905	904	905	905	904	905	906	904	904	904	904	905	903	904	904	904	903	903	904	903	906	906	906	905	906	906			
JMJG	U005	975	977	913	792	798	799	801	799	797	801	800	796	801	799	801	801	799	803	891	960	963	982	970	967	970	970	970	978	972	978	977	979	977	978	974	981	977	977	975	977	977	978	977	978	977	974	974	978	978	978		
PKLG	U003	280	280	289	279	282	279	278	280	277	285	283	279	283	280	282	287	282	279	284	283	281	287	281	281	280	280	283	276	283	280	277	275	276	278	278	280	281	280	281	280	279	281	281	280	281	280	281	284	278	278		
PKLG	U004	281	279	277	281	280	278	277	280	276	280	282	280	283	280	280	281	285	280	279	278	281	281	280	279	283	286	281	279	281	282	280	280	288	280	281	281	279	280	285	279	280	281	280	281	277	282	282	282	282	282		
PKLG	U005	468	467	467	464	467	467	467	467	467	468	467	468	468	466	473	467	468	468	470	470	471	464	468	467	468	467	466	464	466	467	470	468	467	470	466	466	466	467	468	468	468	468	468	468	468	468	468	468	468	468		
PKLG	U006	449	449	449	447	447	449	448	446	449	448	448	449	450	449	447	449	445	449	448	448	447	448	449	448	447	447	447	447	449	448	448	446	449	450	450	450	447	446	449	449	446	449	449	446	447	450	449	447				
TBIN	U001	687	687	687	689	687	687	685	687	691	689	687	687	687	689	688	687	687	687	690	686	690	687	687	687	688	686	687	685	689	687	690	687	689	689	686	689	687	685	689	688	687	689	687	687	688	688	689	690	690			
TBIN	U002	689	691	691	692	691	690	691	691	691	690	693	696	690	689	691	695	692	690	686	693	695	692	693	690	690	691	694	692	691	690	692	691	690	692	691	690	692	690	692	690	695	692	692	692	686	693	691	693	694	685	690	
TBIN	U003	691	691	692	691	691	691	691	691	691	693	692	691	691	690	691	688	690	691	688	690	691	689	690	687	690	690	689	688	691	691	688	688	690	690	687	688	689	690	689	689	689	689	689	689	689	689	689	689	689	689		
TBIN	U004	983	982	958	871	802	804	801	804	803	803	803	802	803	804	803	802	802	804	896	982	982	983	983	983	982	982	982	983	982	983	983	982	983	984	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982		
Total ST-Coal		10400	10354	10224	9834	9586	9597	9587	9584	9592	9608	9561	9536	9550	9531	9579	9600	9595	9591	10245	10386	10396	10419	10398	10399	10392	10400	10411	10394	10394	10411	10407	10404	10397	10410	10385	10414	10398	10407	10402	10398	10408	10404	10321	10318	10317	10318	10317	10327	10327	10327		
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		
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
CBPS	BLK2	217	43	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		
GLGR	GT01	67	68	68	69	67	68	69	68	68	70	68	67	69	68	69	68	68	69	68	66	80	87	85	86	67	67	68	68	67	67	68	67	68	67	68	67	68	68	68	83	104	103	104	104	104	76	69	68	68	68		
GLGR	GT02	68	68	69	68	68	68	68	68	69	67	68	68	68	68	68	68	68	68	68	81	87	85	86	68	68	68	67	67	68	67	68	67	68	67	68	67	68	67	68	68	83	101	101	101	101	101	76	67	67	68	68	
GLGR	ST1C	72	71	72	71	72	71	69	71	71	71	71	71	71	71	71	71	71	71	71	75	85	81	80	71	71	71	72	71	72	71	72	71	74	95	93	83	72	71	71	76	93	93	93	93	93	79	72	71	71	71		
KLPP	GT13	115	109	102	71	71	71	71	69	72	72	72	72	71	72	71	71	103	103	112	131	127	115	115	115	113	114	116	118	117	138	134	139	118	115	118	109	129	128	120	127	137	117	128	115	132	125	125	125				
KLPP	GT14	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	142	145	137	122	123	124	122	123	127	126	126	149	144	149	132	124	126	121	140	141	134	138	149	125	140	128	142	137	198	198	198	198	198		
KLPP	GT15	130	131	80	81	81	81	81	80	80	81	82	82	82	82	81	81	110	110	111	123	143	136	124	125	125	125	122	123	127	126	148	144	149	131	127	127	118	142	139	129	138	149	129	138	127	143	136	136	136			
KLPP	ST17	190	130	109	92	90	90	90	90	90	90	90	90	91	93	93	98	121	126	117	185	197	201	197	193	193	193	191	191	189	193	205	205	205	197	193	193	189	201	197	193	201	205	193	197	193	197	198	198				
NPRI	BLK1	508	422	461	518	527	494	514	487	403	369	329	435	437	525	471	361	377	517	506	514	512	515	514	514	509	511	506	515	515	515	512	515	515	514	500	498	462	439	491	528	527	526	520	515	524	515	530	496	496			
NPRI	BLK2	508	502	518	518	515	514	519	313	308	319	316	316	319	316	317	317	517	510	515	516	517	515	516	509	514	509	515	516	515	514	516	516	515	503	511	514	500	518	517	515	514	514	512	515	516	519	515	515	515			
PCGP	PGRG	584	577	605	606	601	600	600	594	580	381	377	383	385	374	379	379	533	602	588	599	595	601	603	600	590	596	589	602	602	602	598	603	603	602	577	592	601	571	604	603	603	599	598	594	601	604	613	604	604			
PGLA	GT11	165	164	168	182	197	168	169	166	163	167	170	174	190	174	178	183	168	167	165	168	216	195	202	182	198	164	180	175	216	201	214	214	214	207	170																	

### 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								
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	23	23	23	13	13	14	14	23	24	24	24	11	12	22	22	22	22	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	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	10	9	9	10	10	10	10	10	10	9	9	10	9	10	10	10	10	10	10	10	10	10	10	10	9	9	10	
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	-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	-1	-1	-1	-1	-1	-1	-1	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	24	24	23	23	23	23	23	24	24	23	24	24	24	
KNRG	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	23	23	22	22	23	22	23	23	22	22	23	23	
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	99	99	100	100	100	100	98	99	100	96	0	0	0	
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	99	99	98	98	98	98	99	98	97	-1	-1	-1	-1	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	100	100	100	100	100	98	99	100	96	0	0	0	0	
KNYR	HY04	58	57	58	59	59	58	59	58	57	59	58	58	58	60	60	60	60	59	98	100	100	101	101	101	99	100	101	97	62	61	61	
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	18	18	18	18	18	19	21	20	20	20	20	20	20	20	20	20	18	18	18	18		
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	6	6	6	6	5	5	5	5	5	5	5	3	3	5	
PGAU	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	-1	-1	-1	-1	-1	-1	-1	
PGAU	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	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	51	50	50	50	50	50	30	30	30	30	30	30	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	30	30	30	30	30	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	0	0	0	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	0	0	0	0	
TMGR	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	0	82	82	82	0	0	0	
TMGR	HY02	32	31	34	34	34	33	34	34	31	34	34	34	33	33	34	34	33	34	66	65	34	33	34	34	34	66	66	86	86	85	34	
TMGR	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	-1	-1	-1	-1	-1	-1	-1	
TMGR	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	-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	-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	-1	-1	-1	-1	-1	-1	-1	
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	4	4	4	4	4	4	4	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		170	168	163	186	186	162	164	163	160	165	164	164	187	163	163	163	194	218	268	359	435	522	551	403	674	683	686	686	854	855	965	
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	0	0	0	0	0	0	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	13	16	17	20	21	27	25	25	26	25	21	22	20	12	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	14	22	28	33	36	39	42	42	42	37	46	34	44	39	29	24	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	18	28	29	29	30	40	41	40	40	40	40	40	30	19	26	26	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	23	30	35	41	44	48	50	50	50	49	45	42	38	23	28	
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	15	22	29	36	40	46	47	41	29	33	47	49	49	26	33	34	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	14	20	27	32	38	40	43	43	46	46	44	42	39	31	12	13	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	20	7	36	42	47	49	29	47	50	50	48	46	50	41	32	30	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	16	28	36	43	56	53	48	55	36	39	57	47	9	8	13	8	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	19	26	26	29	44	44	45	45	44	44	32	39	24	19	24	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	19	67	128	169	254	292	344	375	363	390	363	364	404	366	339	271	239	188	
PCUF	CUFK	5	5	5	6	3	5	6	5	4	5	5	6	6	3	5	4	6	28	33	34	34	35	36	33	35	33	9	7	9	24	34	
PCUF	CUFK	6	4	6	6	2	5	5	5	7	5	5	6	7	2	6	5	6	27	37	35	33	33	35	35	35	35	5	4	4	29	35	
Total Co-Gen		11	9	11	12	5	10	11	10	11	10	10	12	13	5	11	9	12	55	70	69	67	68	71	68	70	68	14	11	13	53		
Total Gen		15347	14756	14466	14239	14121	13838	13657	13397	13272	13126	13037	13161	13190	13442	13268	13147	13364	14188	14897	15277	15732	16081	16291	16393	16270	16054	15971	16072	16208	16596		
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	0	0	0	0	0	0	0	

