

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,508 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,508 MW</b>
<b>Total IPP</b>	<b>16,836 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>22,895 MW</b>

### Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	30	<b>Total</b>	<b>0</b>
SRDG	6		
TJGS	162		
<b>Total TNB</b>	<b>197</b>		
CBPS	55		
NPRI	158		
PGLA	7		
YPKA	1		
<b>Total IPP</b>	<b>221</b>		
<b>Total Gas</b>	<b>419</b>		
<b>Total Gas Required</b>	<b>419</b>		

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

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,411 MW
TNB Generation	4,381 MW
IPP Generation	11,684 MW
Spinning Reserve	1,260 MW
Maximum Demand	16,178 MW
Net Energy	344,186 MWH
Load Factor	88.65 %

### Generation Mix

Type	MWh	Percentage
Hydro	20,691	6.01 %
Gas	50,516	14.68 %
<b>Total TNB</b>	<b>71,207</b>	<b>20.69 %</b>
ST-Coal	224,271	65.16 %
LSS	3,738	1.09 %
Gas	44,751	13.00 %
<b>Total IPP</b>	<b>272,760</b>	<b>79.25 %</b>
Co-Gen	459	0.13 %
<b>Total Co-Gen</b>	<b>459</b>	<b>0.13 %</b>
<b>Total Generation</b>	<b>344,426</b>	<b>100.07 %</b>
PLTG	937	0.27 %
HVDC	-697	-0.20 %
<b>Interconnection</b>	<b>240</b>	<b>0.07 %</b>
<b>Net Energy</b>	<b>344,186</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	42,026,233.03 RM
Cost per Unit	12.19 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	284
Hydro	201
Syncon	751
Thermal	420
<b>Total</b>	<b>1,656</b>

### Time Weather Temperature

Afternoon	Hot	32
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	15061	14358	13728	13323	12929	12758	12673	12561	12341	13480	13993	14582	14484	14300	14824	15216	15295	15077	14723	14685	16152	16138	15656	15474

### 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																											
JMAH	U001	358	311	311	311	310	311	311	311	312	310	307	308	310	314	311	310	310	310	311	313	311	309	312	309	309	310	312	310	421	411	410	506	499	501	500	503	501	519	602	602	600	601	602	551	499	501					
JMAH	U002	604	606	649	699	698	674	604	504	505	505	508	505	505	505	509	504	611	606	658	657	694	695	698	676	694	603	677	697	696	697	694	690	702	695	698	695	693	696	695	695	694	696	694	700	697	695	695				
JMHE	U001	979	980	977	855	845	854	849	849	850	849	852	850	848	851	850	844	854	850	849	849	903	932	929	931	932	929	930	958	962	959	960	962	968	961	959	958	956	956	982	981	982	980	979	976	980	978	980				
JMHE	U002	978	981	977	853	849	854	851	850	852	847	851	851	850	851	849	847	853	851	850	849	851	905	932	930	931	931	932	930	959	961	961	959	962	969	962	958	958	957	958	981	978	984	980	980	975	980	981	979			
JMIG	U001	671	671	672	677	664	678	670	666	613	597	549	547	518	502	498	497	497	543	593	672	671	672	673	678	672	672	672	670	678	673	669	671	671	671	671	672	671	671	671	677	670	674	670	673	673	671	671	671			
JMIG	U002	669	677	672	673	675	671	677	657	598	598	544	549	502	511	508	508	509	545	612	668	674	670	672	681	671	672	672	673	673	673	672	677	673	672	671	673	673	673	673	673	671	674	669	676	659	672	672	674	678		
JMIG	U003	666	677	671	671	675	670	672	659	620	604	577	558	504	508	508	503	505	544	603	673	666	662	670	672	673	667	672	688	668	664	668	667	667	666	669	670	670	668	671	664	668	662	668	667	670	667	672	668			
JMIG	U004	976	983	982	926	869	857	858	856	857	855	856	851	849	850	853	851	850	849	849	851	852	886	923	932	933	933	933	933	960	960	959	958	958	960	960	960	959	960	961	979	978	979	977	980	981	981	977	980			
PKLG	U004	278	274	280	278	279	201	152	158	158	157	156	155	152	154	155	152	154	203	217	237	210	254	278	278	278	268	212	211	211	264	289	281	278	276	278	277	277	271	275	271	276	276	283	280	278	279	277				
PKLG	U006	447	449	446	446	446	449	448	448	448	449	449	449	450	453	452	447	448	447	448	446	447	446	448	449	449	447	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449			
TBIN	U001	690	690	689	692	688	690	690	690	647	650	603	600	599	600	600	600	551	600	689	689	690	691	691	689	687	689	687	689	689	689	689	690	689	692	690	690	691	692	688	689	689	690	689	689	689	689	689	689	690		
TBIN	U002	693	692	697	692	690	691	691	690	672	653	603	604	603	602	603	604	553	602	691	687	691	689	689	691	690	689	689	692	689	689	692	694	688	691	694	690	692	689	693	688	691	692	691	691	691	691	691	691	691		
TBIN	U003	690	694	693	694	690	689	692	692	659	654	604	604	602	603	602	600	556	599	691	692	688	692	689	687	688	690	688	691	688	692	694	701	694	696	694	693	692	690	687	687	687	688	690	696	693	693	693	694	697		
TBIN	U004	982	982	983	902	853	854	855	853	852	854	853	854	854	853	853	853	853	853	853	852	851	905	933	933	934	933	933	934	964	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963	963			
Total ST-Coal		9681	9667	9699	9369	9231	9143	9020	8883	8642	8583	8317	8287	8143	8151	8146	8129	7998	8407	8861	9133	9108	9382	9536	9556	9525	9526	9380	9477	9596	9645	9780	9776	9754	9882	9856	9853	9846	9831	9845	9939	10014	10025	10022	10021	10033	9979	9931	9939			
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		
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
CBPS	BLK2	376	360	362	352	354	363	366	366	364	362	372	363	368	370	362	360	359	352	360	346	362	361	354	361	347	346	342	357	364	355	360	351	366	359	360	363	357	356	354	357	360	360	357	364	361	363	371	364			
GLGR	GT01	68	69	67	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT02	68	67	68	96	95	96	95	95	96	95	95	98	96	95	95	96	95	96	96	96	96	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95		
GLGR	ST1C	72	72	72	77	40	40	40	40	40	40	40	40	40	40	40	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		
NPRI	BLK1	514	515	510	508	503	517	515	519	514	514	526	523	522	523	515	511	512	508	517	497	515	515	508	514	495	497	469	514	515	512	507	505	512	511	512	508	509	500	503	515	514	516	514	517	509	515	521	514			
NPRI	BLK2	517	517	510	509	506	520	518	518	518	517	532	524	524	524	515	512	511	517	500	518	516	511	517	499	497	479	516	516	514	509	507	519	516	516	511	510	500	505	516	515	517	515	517	515	517	512	516	523	515		
PCGP	PGRG	603	603	597	593	588	607	601	609	602	604	624	613	612	611	604	596	597	592	604	579	601	604	593	602	476	402	315	262	264	260	262	261	265	262	261	260	262	261	262	262	261	266	260	267	182	182	191	182			
PGLA	GT11	174	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	GT12	177	174	171	154	154	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	ST10	213	116	96	90	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPGP	BLK1	689	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688		
SPGP	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT1A	161	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TJGS	GT1B	151	143	144	224	228	167	166	170	169	169	175	167	170	221	232	164	168	165	166	159	223	226	223	224	170	169	184	218	226	223	223	226	225	222	222	223	226	217	221	226	224	226	227	226	227	226	227	228	228		
TJGS	ST1C	191	116	82	108	118	113	90	90	87	87	87																																								

### 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
CEND	HY04	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	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
KNRG	HY03	24	24	23	23	24	23	24	24	24	24	24	24	23	23	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	101	101	101	100	101	101	101	101	101	102	102	102	102	101	101	100	100	101	100	101	100	101	101	101
KNYR	HY02	106	105	106	105	105	106	106	106	106	106	106	106	107	106	105	105	105	105	105	105	105	106	106	106
KNYR	HY03	101	101	101	100	101	101	102	101	101	102	102	102	102	101	101	101	101	100	101	101	101	100	101	101
KNYR	HY04	101	101	101	100	101	101	102	101	101	102	102	102	102	101	101	100	100	99	101	101	101	101	101	101
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	16	12	12	12	12	15	15	18	20	20	20	20
LPIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	20	16	12	12	14	14	14	15	18	18	18
MNOR	HY01	4	4	4	4	4	3	3	3	3	3	3	3	5	5	5	5	1	1	2	2	2	2	2	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	19	19	-1	-1	-1	21	22
PGAU	HY02	21	21	21	21	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	51	51	51	31	31	31	31
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	17	25	25	25	17	17	17	17
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	17	17	17
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	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	33	83	84
TMGR	HY02	45	45	46	45	45	46	45	47	70	90	86	86	59	45	46	46	61	42	51	47	46	45	41	42
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	94	-1	-1	-1	-1	0	0	0	-1	182	0	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	-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
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		680	644	644	640	620	573	573	573	575	599	620	640	712	685	575	573	558	643	582	626	676	670	752	655
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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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																											
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	21	72	153	255	322	382	440	457	479	518	547	461	462	506	419	422	405	352	302	236	164	83	24	1	0	0	0	0	0	0	0	0	0					
PCUF	CUFG	7	8	6	6	5	9	6	8	7	8	8	8	8	7	8	7	7	5	6	7	6	6	3	4	3	7	7	7	5	5	9	6	7	6	6	6	7	7	48	50	49	47	48	48	4	4					
PCUF	CUFK	4	4	2	5	2	5	4	3	2	3	4	4	2	3	5	4	4	4	3	4	3	4	4	2	4	5	4	4	2	4	3	3	3	5	3	3	2	4	4	4	26	36	37	37	36	36	3	4			
Total Co-Gen		11	12	8	11	7	14	10	11	9	11	12	12	10	11	13	11	12	11	10	9	9	11	10	8	7	9	7	11	9	11	8	8	12	11	10	9	8	10	11	11	74	86	86	84	84	84	7	8			
Total Gen		15049	14655	14410	14030	13780	13561	13361	13169	12912	12877	12695	12725	12659	12705	12582	12456	12330	12875	13377	13712	13967	14307	14566	14620	14515	14447	14291	14566	14810	15209	15220	15376	15272	15283	15142	15028	14788	14588	14742	15538	16181	16151	16112	15931	15692	15610	15466	15270			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		27	38	92	35	91	8	78	23	24	45	-23	16	26	61	61	68	29	18	-63	12	14	-29	24	12	72	58	31	-27	25	36	45	61	16	17	106	100	106	111	95	50	68	13	14	4	76	45	31	32			
Interconnection		-2	9	63	6	63	-21	49	-7	-6	16	-52	-14	-3	32	32	39	0	-11	-92	-17	-15	-58	-5	-18	42	29	1	-56	-4	6	15	32	-12	-12	77	71	77	82	67	21	39	-16	-15	-25	47	17	3	4			
System Total		15061	14657	14358	14035	13728	13593	13323	13187	12929	12872	12758	12750	12673	12684	12561	12428	12341	12897	13480	13740	13993	14376	14582	14649	14484	14428	14300	14632	14824	15214	15216	15355	15295	15307	15077	14969	14723	14516	14685	15527	16152	16178	16138	15967	15656	15604	15474	15277			
SRev ST-Coal		348	362	330	613	620	648	694	735	943	967	1032	1032	1035	1028	1028	1040	1030	1036	804	630	629	585	454	432	466	462	538	467	350	344	320	314	335	303	322	327	333	351	335	259	267	256	257	259	248	251	247	241			
SRev CCGT-Gas		728	854	680	729	546	379	221	277	293	295	233	193	185	121	131	236	238	237	208	290	127	117	151	120	455	494	621	191	172	300	302	310	277	292	342	343	346	416	402	306	132	229	244	275	427	414	384	418			
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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
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	0	0	0	0	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		889	976	976	976	1127	1127	1127	1127	1127	1127	1127	976	940	940	1127	1127	1127	889	940	940	940	790	702	976	940	940	940	889	889	889	1040	766	766	953	766	766	953	1040	853	428	277	277	277	428	428	428	428	615			
Hydro		239	187	187	191	60	57	57	57	55	31	10	141	105	132	55	57	58	211	35	91	41	47	203	212	89	84	52	156	142	176	49	163	267	52	66	42	201	153	345	360	314	504	528	415	462	462	361	347			
S.Reserve Total		2204	2379	2173	2509	2353	2211	2099	2196	2418	2420	2402	2342	2265	2221	2341	2460	2460	2373	1987	1951	1737	1539	1510	1740	1950	1980	2151	1703	1553	1709	1711	1553	1645	1600	1496	1478	1833	1960	1935	1353	1099	1265	1305	1485	1602	1632	1420	1621			