

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,172 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,172 MW</b>
<b>Total IPP</b>	<b>17,406 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>22,401 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	11,402	3.11 %
Gas	34,469	9.42 %
<b>Total TNB</b>	<b>45,871</b>	<b>12.53 %</b>
ST-Coal	223,974	61.18 %
LSS	2,186	0.60 %
Gas	93,145	25.44 %
<b>Total IPP</b>	<b>319,305</b>	<b>87.22 %</b>
Co-Gen	615	0.17 %
<b>Total Co-Gen</b>	<b>615</b>	<b>0.17 %</b>
<b>Total Generation</b>	<b>365,791</b>	<b>99.92 %</b>
PLTG	419	0.11 %
HVDC	-699	-0.19 %
<b>Interconnection</b>	<b>-280</b>	<b>-0.08 %</b>
<b>Net Energy</b>	<b>366,071</b>	<b>100.00 %</b>

### Maximum Demand Record

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

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

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,576 MW
TNB Generation	2,687 MW
IPP Generation	14,426 MW
Spinning Reserve	1,406 MW
Maximum Demand	17,219 MW
Net Energy	366,071 MWH
Load Factor	88.58 %

### Fuel Cost

Total Cost:	58,341,533.64 RM
Cost per Unit	15.96 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	438
Hydro	325
Syncon	955
Thermal	219
<b>Total</b>	<b>1,937</b>

Time	Weather	Temperature
Afternoon	Hot	34
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	15634	14961	14370	13937	13553	13431	13265	13026	13356	14942	15691	16208	16184	16164	16806	17161	17181	16459	15487	15210	15670	15897	15681	15495

### Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	197
<b>Total TNB</b>	<b>245</b>
CBPS	52
KLPP	94
NPRI	149
PGLA	105
PLPS	70
SKSP	48
YPKA	42
<b>Total IPP</b>	<b>561</b>
<b>Total Gas</b>	<b>806</b>
<b>Total Gas Required</b>	<b>806</b>

### Alternate Fuel Usage

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



### Daily MW Generation on Wednesday

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	HY02	12	12	13	12	13	12	12	12	12	12	12	12	12	12	12	12	13	24	24	12	12	12	12	12
CEND	HY01	9	9	10	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7	7	7	7	7
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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	62	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	99	63	-1	-1	-1	-1
KNRG	HY01	37	37	0	0	0	0	0	0	0	0	0	22	23	23	22	22	37	37	37	37	37	37	37	37
KNRG	HY02	38	38	26	25	26	25	25	26	26	26	25	24	25	25	24	25	37	37	37	37	39	21	20	21
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	21	22	22	21	21	36	36	36	36	36	36	36	36
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	64	63	100	100	100	100	100	100	100
KNYR	HY02	71	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	59	99	98	98	98	98	98	98	98
KNYR	HY03	64	61	69	69	68	66	66	64	65	65	65	65	77	65	65	79	74	85	65	71	57	58	76	59
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	60	100	100	100	100	100	100	100
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	20	18	11	10	10	10	10	10
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	15	15	10	10	10	10	11	11	12
MNOR	HY01	7	7	7	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	4	4	5
PGAU	HY01	-1	-1	20	-1	-1	-1	18	-1	-1	18	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	20	20
PGAU	HY02	-1	-1	-1	-1	-1	18	-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	18	-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	21	21	21	0	0
SIHY	HY01	49	31	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	49	49	31	31
SIHY	HY02	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	50	50	35	30
SIHY	HY03	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	0	0	0	0
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	25	25	25
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	25
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	17	25	25	25
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	17	17	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	34	34	34	34
TMGR	HY02	36	31	36	36	35	35	35	32	35	35	33	33	33	33	33	33	33	33	33	33	33	33	34	34
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	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	180	91	-1	-1	-1	-1	92
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	91	111	105	108	104
UPIA	HY01	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	0	0	0	0	0	3	5	5	6
UPIA	HY02	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	0	0	0	0	0	4	4	4	4
<b>Total Hydro</b>		<b>585</b>	<b>510</b>	<b>243</b>	<b>215</b>	<b>215</b>	<b>230</b>	<b>230</b>	<b>225</b>	<b>210</b>	<b>229</b>	<b>208</b>	<b>208</b>	<b>240</b>	<b>225</b>	<b>204</b>	<b>219</b>	<b>236</b>	<b>243</b>	<b>199</b>	<b>204</b>	<b>191</b>	<b>225</b>	<b>421</b>	<b>491</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>
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	8	18	13	6	6	10	19
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	10	16	18	20	12	16	17
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	19	24	29	32	35	36	38	38	31
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	16	19	22	24	23	28	27	16	29
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	7	10	15	24	28	31	38	37	36	37	45	45
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	5	9	16	17	12	14	13	18	21	25	48	31	26
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	4	6	16	26	22	29	33	31	34	37	41	38	34
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	3	6	12	19	26	31	26	18	30	19	47	50	50	47
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	3	13	12	8	13	16	24	28	28	26	34	32	43

### Daily MW Generation on Wednesday

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																										
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	16	16	28	28	34	37	33	37	37	17	23	31	14	23	4	2	2	3	7	4	1	0	0	0	0	0	0	0	0	0	0				
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	12	38	69	130	174	210	222	236	257	256	307	308	345	333	331	307	260	191	146	112	76	38	16	2	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	4	5	3	3	5	4	5	4	5	5	4	4	3	3	3	5	4	29	32	32	30	30	8	4	2	2	3	28	28	28	28	28	28	28	29	4	4	4	4	4	4	3	4	3	4	3	3			
PCUF	CUFK	1	3	4	3	5	4	4	4	4	4	5	3	2	4	4	4	4	20	27	29	29	29	2	4	4	3	19	26	29	28	29	28	29	25	5	4	7	3	18	28	30	29	30	29	2					
Total Co-Gen		5	8	7	6	10	8	9	8	9	9	9	7	5	7	7	9	8	49	59	61	59	59	37	6	6	6	6	47	54	57	56	57	56	57	56	58	29	9	8	11	7	22	31	34	32	34	32	5		
Total Gen		15716	15408	15022	14617	14378	14149	13972	13860	13583	13581	13441	13271	13258	13189	12997	12949	13316	14364	14860	15310	15637	15906	16153	16270	16144	16042	16127	16355	16751	16995	17133	17170	17148	16935	16475	16000	15490	15280	15217	15349	15667	15964	15875	15775	15674	15651	15490	15289		
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	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-28	-30	-30	-30	-28	-28	-28	-28	-31	-29	-28	-29				
TIE-PLTG		110	149	91	59	37	69	63	109	58	42	39	28	22	13	0	-33	-11	23	-53	-85	-25	-22	-25	-4	-11	-5	-8	-4	-26	-25	2	-21	-4	-7	45	13	31	36	37	36	26	44	5	-16	24	-22	23	11		
Interconnection		82	120	61	29	8	40	35	81	30	13	10	-1	-7	-16	-29	-63	-40	-6	-82	-114	-54	-51	-55	-33	-40	-34	-37	-34	-55	-55	-28	-49	-33	-36	16	-16	3	6	7	6	-3	16	-22	-44	-7	-51	-5	-19		
System Total		15634	15288	14961	14588	14370	14109	13937	13779	13553	13568	13431	13272	13265	13205	13026	13012	13356	14370	14942	15424	15691	15957	16208	16303	16184	16076	16164	16389	16806	17050	17161	17219	17181	16971	16459	16016	15487	15274	15210	15343	15670	15948	15897	15819	15681	15702	15495	15308		
SRV ST-Coal		143	142	131	147	155	142	141	159	480	472	479	472	485	476	484	481	484	479	472	440	315	308	330	315	303	321	143	151	141	142	139	127	124	178	134	140	132	126	139	145	131	149	133	153	141	130	118	130		
SRV 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
SRV CCGT-Gas		628	865	632	915	1150	1405	1584	1662	1439	1268	1366	1535	1571	1629	1795	1878	1547	735	548	520	600	384	303	261	312	544	845	835	612	367	362	310	319	342	497	689	878	1053	1071	926	647	503	604	403	443	684	852	491		
SRV 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
SRV 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
SRV Co-Gen		55	52	53	54	50	52	51	52	51	51	51	53	55	53	53	51	52	11	1	9	11	11	33	64	64	64	64	23	16	13	14	13	14	13	14	12	41	61	62	59	63	48	39	36	38	36	38	65		
Syncon		1354	1354	1304	1455	1455	1304	1304	1304	1455	1304	1455	1455	1304	1304	1455	1304	1304	1304	1117	1117	1117	1117	1117	1117	1117	1102	951	951	764	764	728	515	389	389	702	1001	1153	1153	1304	1304	1153	865	1016	1016	1128	1037	886	785		
Hydro		158	233	260	137	137	273	273	278	142	274	144	144	263	278	148	133	267	260	153	149	162	194	335	265	351	369	456	382	401	402	383	441	500	566	297	277	277	276	142	150	272	404	266	333	302	198	352	352		
S.Reserve Total		2338	2646	2380	2708	2947	3176	3353	3455	3567	3369	3495	3659	3678	3740	3935	3998	3654	2789	2629	2422	2392	2201	2118	2022	2147	2400	2459	2342	1934	1688	1626	1406	1346	1488	1644	2119	2481	2669	2718	2584	2266	1969	2058	1941	2052	2085	2246	1823		