

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,472 MW</b>
<b>Total IPP</b>	<b>16,138 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,160 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	36,329	11.09 %
Gas	26,367	8.05 %
<b>Total TNB</b>	<b>62,696</b>	<b>19.14 %</b>
ST-Coal	202,015	61.66 %
LSS	3,012	0.92 %
Gas	61,102	18.65 %
<b>Total IPP</b>	<b>266,129</b>	<b>81.23 %</b>
Co-Gen	151	0.05 %
<b>Total Co-Gen</b>	<b>151</b>	<b>0.05 %</b>
<b>Total Generation</b>	<b>328,976</b>	<b>100.41 %</b>
PLTG	736	0.22 %
HVDC	608	0.19 %
<b>Interconnection</b>	<b>1,344</b>	<b>0.41 %</b>
<b>Net Energy</b>	<b>327,632</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:	20:00:00 Hour
Total Set On Bus	15,757 MW
TNB Generation	3,685 MW
IPP Generation	11,693 MW
Spinning Reserve	373 MW
Maximum Demand	15,368 MW
Net Energy	327,632 MWH
Load Factor	88.83 %

### Fuel Cost

Total Cost:	48,569,124.19 RM
Cost per Unit	14.75 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	408
Hydro	283
Syncon	312
Thermal	503
<b>Total</b>	<b>1,506</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	28
SRDG	6
TJGS	156
<b>Total TNB</b>	<b>190</b>
CBPS	53
NPRI	152
PGLA	2
YPKA	1
<b>Total IPP</b>	<b>208</b>
<b>Total Gas</b>	<b>398</b>
<b>Total Gas Required</b>	<b>398</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	14012	13298	12836	12609	12383	12055	12070	12012	11926	12994	13563	14020	14013	13716	14248	14568	14573	14313	13919	14242	15368	15125	14938	14782



### 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
KNRG	HY03	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	99	98	99	99	100	100	100	100	100	100	100	100	99	100	100	99	99	99	100	100	100	100	100	100
KNYR	HY02	106	105	106	106	107	107	108	107	107	107	108	107	107	106	106	106	106	107	107	108	107	108	108	107
KNYR	HY03	111	110	111	110	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
KNYR	HY04	104	103	104	103	105	104	105	105	104	104	104	104	105	104	104	105	103	103	104	105	105	104	105	104
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	HY02	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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
PGAU	HY02	-1	-1	-1	-1	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
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	17	17	17	25	25	17	17	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25
TMGR	HY01	87	85	89	87	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
TMGR	HY02	91	88	92	91	93	93	92	93	93	93	93	93	92	92	93	93	93	91	93	93	93	93	93	93
TMGR	HY03	75	73	76	75	80	80	82	80	80	80	80	80	80	78	80	80	76	77	78	76	80	79	79	79
TMGR	HY04	87	84	87	86	90	90	90	90	90	90	90	90	90	89	89	89	90	87	88	88	87	90	90	90
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	85	85	91	90	93	91	94
UJLI	HY02	81	77	83	82	95	89	102	89	94	96	88	96	91	89	96	90	99	93	85	94	93	0	0	0
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		1353	1336	1359	1351	1466	1375	1392	1377	1381	1381	1373	1384	1377	1375	1381	1400	1385	1420	1412	1428	1427	1294	1388	1385
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	1	5	6	12	16	15	11	23	23	22	24
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	7	15	22	18	13	15
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	8	12	16	23	29	21	23	26	19
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	15	21	28	34	38	40	41	43	44
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	18	26	31	35	37	28	40	21	18
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	14	17	16	26	28	29	27	26
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	11	19	17	22	41	47	50	41	37
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	26	32	35	42	45	41	44
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	7	14	31	23	40	42	31	39	36
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	14	19	15	26	28	23	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10	28	19	29	34	34	15	45	18
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	16	31	33	36	46	54	46	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	14	18	21	29	32	35	35	39	41
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	13	17	19	10	9	6	10	10
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	23	77	127	208	289	315	372	440	451	424	450
PCUF	CUFK	4	3	2	4	2	2	3	2	3	3	3	4	3	3	3	3	4	3	3	4	3	3	3	3
PCUF	CUFK	4	3	3	3	4	3	2	2	4	2	4	3	3	4	2	3	4	4	3	3	3	4	2	3
Total Co-Gen		8	6	5	7	6	5	5	4	7	5	7	7	6	7	7	7	7	7	5	6	7	8	7	6

### 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																											
Total Gen		14098	13619	13392	13059	12857	12740	12601	12471	12388	12166	12119	12044	12098	12250	12043	12025	11916	12563	13035	13332	13589	13806	14048	14103	14091	13991	13849	14077	14293	14601	14595	14612	14680	14636	14457	14199	14059	14049	14236	15184	15384	15188	15051	15043	14915	14914	14843	14572			
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	0	0
TIE-HVDC		30	30	30	30	30	30	31	31	31	31	29	29	31	31	31	31	29	29	30	30	30	30	31	31	30	30	30	30	29	29	30	30	32	32	31	31	30	30	31	31	30	30	-31	-30	-28	-28	29	30	30		
TIE-PLTG		68	65	77	17	3	31	-26	89	-15	39	46	2	9	43	12	62	-27	-3	23	39	8	3	9	10	60	53	115	25	27	24	9	27	87	83	125	30	122	50	-25	-37	-2	-1	-32	-22	17	67	43	50			
Interconnection		98	95	106	46	33	61	4	119	17	71	76	31	40	74	43	93	2	26	53	69	38	33	40	40	90	83	145	55	57	53	39	57	119	115	156	61	152	80	6	-6	28	-32	-62	-50	-11	96	73	79			
System Total		14012	13536	13298	13025	12836	12691	12609	12364	12383	12107	12055	12025	12070	12188	12012	11944	11926	12549	12994	13275	13563	13785	14020	14075	14013	13920	13716	14034	14248	14560	14568	14567	14573	14533	14313	14150	13919	13981	14242	15202	15368	15232	15125	15105	14938	14830	14782	14504			
SRev ST-Coal		668	840	887	935	911	907	1030	1029	1026	1076	1081	1076	1071	1070	1104	1120	1119	1008	953	955	805	688	617	621	627	652	643	621	551	411	401	426	431	454	404	422	456	379	289	89	84	133	132	122	191	192	184	183			
SRev CCGT-Gas		417	476	368	389	217	204	181	276	240	252	279	309	258	257	319	356	483	336	392	332	482	576	564	567	585	525	644	572	514	447	518	416	400	352	402	540	646	357	218	128	115	79	123	211	62	99	86	129			
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	39	6	4	3	2	1	37	37	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	
Syncon		489	489	489	489	338	489	489	489	489	489	489	489	489	489	338	489	187	187	187	187	187	489	302	302	489	489	489	489	489	489	489	489	489	489	489	615	615	187	187	0	0	0	0	0	187	187	374	525			
Hydro		177	194	171	179	215	155	138	153	149	149	157	146	153	155	149	281	145	412	420	404	405	75	168	171	169	278	293	173	174	184	182	147	145	150	253	222	285	621	716	287	174	359	469	583	687	582	484	476			
S.Reserve Total		1751	1999	1915	1992	1681	1755	1838	1947	1904	1966	2006	2020	1971	1971	2061	2095	2236	1943	1952	1878	1879	1828	1651	1661	1870	1944	2069	1855	1728	1531	1590	1478	1465	1495	1598	1849	2052	1594	1449	510	377	574	726	917	1164	1097	1165	1313			