

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	17,956 MW
Total Co-Gen	0 MW
Total System	23,301 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,481	2.42 %
Gas	39,004	12.62 %
Total TNB	46,485	15.04 %
ST-Coal	216,590	70.06 %
LSS	2,478	0.80 %
Gas	44,601	14.43 %
Total IPP	263,669	85.29 %
Co-Gen	241	0.08 %
Total Co-Gen	241	0.08 %
Total Generation	310,395	100.40 %
PLTG	524	0.17 %
HVDC	726	0.23 %
Interconnection	1,250	0.40 %
Net Energy	309,145	100.00 %

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	15,702 MW
TNB Generation	2,506 MW
IPP Generation	11,499 MW
Spinning Reserve	1,687 MW
Maximum Demand	14,072 MW
Net Energy	309,145 MWH
Load Factor	91.54 %

Fuel Cost

Total Cost:	45,793,450.54 RM
Cost per Unit	14.76 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	167
Hydro	221
Syncon	1,123
Thermal	525
Total	2,036

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

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	13581	13027	12517	12010	11649	11364	11267	11043	11060	12043	12628	12992	13140	13337	13822	14062	13952	13513	12824	12876	14011	14039	14019	13942

Gas Usage

Station	(mmscfd)
GLGR	55
TJGS	216
Total TNB	271
CBPS	7
NPRI	156
PLPS	32
SGRI	0
Total IPP	195
Total Gas	467
Total Gas Required	467

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Tuesday

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
KNYR	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
KNYR	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
KNYR	HY04	64	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	100	100	100	100	100	99	54	-1
LPIA	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
LPIA	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	HY01	-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	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	20	-1	-1	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	30	30	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0	
TMGR	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
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
TMGR	HY04	41	41	40	41	41	42	38	40	66	40	41	41	41	40	37	41	84	84	61	31	31	31	31	31
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	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Hydro		242	241	173	175	177	178	172	194	228	177	174	174	175	176	173	179	263	381	299	192	220	162	159	160
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
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	10	14	17	20	21	24	18	16
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	18	21	30	34	15	34	14	33
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	10	21	18	21	30	15	19	46
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	10	18	5	21	3	25	23	27	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	20	26	30	35	38	42	46	46
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	20	26	22	38	43	34	30	41
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	17	22	27	33	36	39	42	45
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	12	18	43	44	46	48	50
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	15	22	30	38	44	49	53	40	54
SLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	9	18	19	25	29	37	21	18	24
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	11	43	91	139	215	227	290	306	346	292	339
PCUF	CUFG	5	6	7	5	4	5	5	5	4	5	6	6	6	5	5	6	7	5	5	5	6	5	4	7
PCUF	CUFK	5	5	5	4	5	5	4	5	5	4	6	3	4	6	4	3	4	5	3	4	6	4	6	7
Total Co-Gen		10	11	12	9	9	10	9	10	10	12	9	9	11	10	10	9	10	8	9	12	9	10	11	11
Total Gen		13639	13371	13096	12825	12615	12365	12098	11928	11703	11621	11404	11313	11301	11279	11099	10798	11035	11640	12065	12483	12670	12895	13061	13150
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		30	30	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	30	31	31	30
TIE-PLTG		28	34	38	63	68	56	56	67	24	66	10	9	4	32	26	-9	-55	-59	-8	23	12	21	38	43
Interconnection		58	64	69	94	98	87	88	98	54	96	40	39	34	62	56	21	-25	-29	22	53	42	52	69	73
System Total		13581	13307	13027	12731	12517	12278	12010	11830	11649	11525	11364	11274	11267	11217	11043	10777	11060	11669	12043	12430	12628	12843	12992	13077
SRev ST-Coal		476	562	611	699	701	842	739	873	886	888	889	880	895	891	894	1042	940	889	887	701	719	627	596	579
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

Daily MW Generation on Tuesday

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																										
SRev CCGT-Gas		108	88	332	143	150	134	127	105	113	148	126	134	125	145	207	119	84	95	178	109	81	235	79	63	154	251	248	215	212	374	279	85	140	101	231	387	264	152	226	87	212	231	193	128	106	105	130	235		
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	
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 Co-Gen		10	9	8	11	11	10	11	10	10	12	10	10	8	11	11	9	10	10	11	10	12	11	8	11	10	6	8	11	9	9	11	10	10	12	10	9	9	10	10	10	11	10	11	11	11	11	9	7	10	
Syncon		1355	1355	1456	1456	1456	1456	1456	1305	1456	1456	1456	1456	1456	1305	1305	1305	1305	1118	967	1305	1305	1305	1305	1305	1305	1103	1103	851	851	700	851	851	851	977	1103	1053	1305	1154	1154	1305	1305	1305	1305	1154	1154	1154	1305			
Hydro		172	173	140	138	136	135	141	270	85	136	139	139	138	138	141	135	51	140	373	142	114	160	163	162	74	171	191	247	321	356	226	204	224	272	191	334	152	282	339	174	241	227	227	227	310	315	283	150		
S.Reserve Total		2121	2187	2547	2447	2454	2577	2474	2563	2550	2640	2620	2619	2622	2490	2558	2610	2390	2252	2416	2267	2231	2338	2151	2120	2127	2109	2099	1865	1928	1977	1908	1687	1750	1867	2035	2373	2477	2388	2474	2288	2221	2185	2170	1830	1737	2091	2080	2269		