

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	16,394 MW
Total Co-Gen	0 MW
Total System	21,592 MW

Generation Mix

Type	MWh	Percentage
Hydro	37,466	12.33 %
Gas	17,007	5.60 %
Total TNB	54,473	17.93 %
ST-Coal	192,919	63.49 %
LSS	1,879	0.62 %
Gas	54,307	17.87 %
Total IPP	249,105	81.98 %
Co-Gen	172	0.06 %
Total Co-Gen	172	0.06 %
Total Generation	303,750	99.96 %
PLTG	576	0.19 %
HVDC	-697	-0.23 %
Interconnection	-121	-0.04 %
Net Energy	303,871	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:	20:00:00 Hour
Total Set On Bus	15,469 MW
TNB Generation	2,692 MW
IPP Generation	11,623 MW
Spinning Reserve	1,148 MW
Maximum Demand	14,354 MW
Net Energy	303,871 MWH
Load Factor	88.21 %

Fuel Cost

Total Cost:	46,503,545.69 RM
Cost per Unit	15.29 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	444
Hydro	382
Syncon	347
Thermal	711
Total	1,884

Time Weather Temperature

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	13468	12945	12504	11957	11659	11392	11664	11581	11208	11734	12324	12806	12711	12732	12922	12921	12961	12798	12713	13307	14354	14233	13789	13622

Daily MW Generation on Sunday

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	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	104	105	103	104	104	104	104	103	104	104	104	104	103	103	103	104	104	103	103	103	103	104	103	104
KNYR	HY02	111	111	110	110	111	111	111	110	111	111	111	111	110	110	111	109	110	110	110	110	111	111	110	111
KNYR	HY03	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
KNYR	HY04	105	105	104	105	105	105	105	105	105	105	105	105	105	104	104	104	104	104	104	105	105	105	105	105
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	25	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	22	22	20
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	3	3	4	3	0
PGAU	HY01	111	111	111	111	111	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	21	21	22	22	80
PGAU	HY02	112	112	112	112	112	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	111	111	110	82
PGAU	HY03	112	113	106	112	22	22	0	0	0	0	0	0	0	0	0	0	0	0	20	20	19	23	25	111
PGAU	HY04	110	0	0	0	0	0	0	0	0	0	0	0	18	0	0	19	20	19	21	21	21	21	21	108
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	31	31	31	31	31	31	31	31	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	30	30	31	31	31	31	31
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	30	30	31	31	31	31
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0	0	0	0	0
SYPS	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
SYPS	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	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	86	88	83	90	90	89	89	90	89	90	90	90	90	90	89	89	89	89	89	89	89	89	89	89
TMGR	HY02	87	89	82	94	94	94	94	94	94	94	94	94	94	93	93	89	93	93	92	93	93	93	93	93
TMGR	HY03	80	0	0	0	0	0	0	0	0	0	0	0	0	0	88	89	84	89	82	80	83	83	83	83
TMGR	HY04	86	87	82	91	91	91	91	91	91	91	91	91	89	91	91	90	85	90	90	88	90	90	90	90
UJLI	HY01	91	100	80	92	93	92	87	91	92	88	88	100	92	92	92	82	-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	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		1821	1647	1602	1647	1561	1558	1310	1303	1309	1309	1306	1305	1318	1432	1432	1353	1319	1332	1354	1443	1469	1523	1508	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	8	11	16	11	20	13	17	18
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	10	15	16	24	16	25	26
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	12	20	21	21	22	23	12	12	13
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7	8	11	11	15	13	18	19	17
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	9	12	16	22	23	17	11	17	20
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	5	4	6	11	10	10	11	10
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	19	23	32	31	28	19	19	29
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	7	9	10	13	11	16	9
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	19	27	33	40	39	41	32	20
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	8	20	24	28	27	28	28	21
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	8	3	10	6	11	7	11
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	15	18	22	18	22	22	31	30
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	20	25	29	20	23	31	13	22
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	3	7	3	7	4	5	4	7
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	9	50	95	148	197	249	245	274	248	245	240	
PCUF	CUFG	5	5	4	2	4	3	4	4	4	4	4	4	4	3	3	5	4	5	2	4	4	5	4	3
PCUF	CUFK	5	6	3	2	4	2	4	4	4	3	2	5	3	3	4	4	4	4	3	3	3	4	3	4

Daily MW Generation on Sunday

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 Co-Gen		10	11	7	4	8	5	8	8	8	7	6	8	6	9	7	7	7	9	8	9	7	8	5	7	8	11	7	7	6	7	6	7	7	6	5	7	7	7	6	6	5	6	6	10	5	10	6			
Total Gen		13430	13050	12914	12565	12448	12252	11961	11737	11658	11481	11432	11265	11619	11674	11598	11361	11288	11577	11710	12056	12310	12620	12786	12835	12770	12681	12664	12726	12864	12956	12878	12939	12940	12922	12854	12788	12700	12952	13277	14068	14321	14201	14169	14032	13660	13584	13531	13338		
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	-28	-28	-29	-29	-29	-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	
TIE-PLTG		4	-84	9	45	-15	33	45	40	40	18	82	57	-3	21	58	13	121	102	18	50	26	130	21	82	100	49	-27	8	-18	11	-2	49	20	39	97	66	28	35	11	2	8	4	-22	3	-88	-91	-51	5		
Interconnection		-26	-112	-19	16	-44	3	15	11	11	-11	52	27	-33	-8	29	-15	92	72	-12	22	-2	101	-8	53	71	20	-56	-21	-46	-18	-31	20	-9	11	68	38	-1	6	-18	-26	-21	-26	-52	-26	-117	-120	-79	-24		
System Total		13468	13174	12945	12561	12504	12260	11957	11737	11659	11504	11392	11250	11664	11694	11581	11388	11208	11517	11734	12046	12324	12531	12806	12794	12711	12673	12732	12759	12922	12986	12921	12931	12961	12923	12798	12762	12713	12958	13307	14106	14354	14239	14233	14070	13789	13716	13622	13374		
SRev ST-Coal		724	738	749	976	977	973	974	973	974	969	976	976	1053	1038	1064	1128	1156	990	982	978	1037	963	886	878	892	867	892	944	887	841	743	833	831	832	829	851	817	858	542	369	367	349	351	337	485	509	500	500		
SRev CCGT-Gas		676	702	507	514	462	622	664	622	707	777	450	602	446	527	531	589	767	646	576	386	372	598	540	518	550	584	574	382	448	397	592	672	674	670	688	729	588	506	423	405	267	250	115	292	262	214	250	249		
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	
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
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
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		187	187	187	187	187	187	489	489	489	489	489	489	489	338	338	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	187	187	187	187	187	187	187	187	374	187	187	187	187	187	187	187	187	187	340
Hydro		262	200	245	200	286	290	86	93	86	86	89	90	77	114	114	87	101	88	96	93	97	144	279	287	426	289	282	288	290	290	317	383	510	512	516	499	492	498	395	268	331	400	568	591	596	593	539	336		
S.Reserve Total		1849	1827	1688	1877	1912	2072	2213	2177	2256	2321	2004	2157	2065	2017	2047	2293	2513	2213	2143	1946	1995	2194	2194	2172	2206	2229	2237	2103	2114	2017	2141	2075	2202	2201	2220	2266	2084	2049	1734	1229	1152	1186	1221	1407	1530	1503	1476	1425		