

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,515 MW
Distillate	0 MW
Total TNB	2,515 MW
Total IPP	16,428 MW
Total Co-Gen	0 MW
Total System	22,494 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,483	5.88 %
Gas	55,649	15.23 %
Total TNB	77,132	21.11 %
ST-Coal	214,391	58.67 %
LSS	3,491	0.96 %
Gas	70,989	19.43 %
Total IPP	288,871	79.05 %
Co-Gen	412	0.11 %
Total Co-Gen	412	0.11 %
Total Generation	366,415	100.27 %
PLTG	283	0.08 %
HVDC	718	0.20 %
Interconnection	1,001	0.27 %
Net Energy	365,414	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:	16:00:00 Hour
Total Set On Bus	18,524 MW
TNB Generation	4,036 MW
IPP Generation	13,207 MW
Spinning Reserve	1,250 MW
Maximum Demand	17,224 MW
Net Energy	365,414 MWH
Load Factor	88.40 %

Fuel Cost

Total Cost:	45,918,564.96 RM
Cost per Unit	12.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	326
Hydro	396
Syncon	572
Thermal	349
Total	1,643

Time	Weather	Temperature
Afternoon	Hot	33
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	14920	14187	13699	13407	12972	12742	12845	12983	13356	14932	15680	16059	16235	16154	16757	17125	17224	16833	15804	15449	16702	16711	16245	15943

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
CEND	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
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	36	25	0	0	0	0	0	0	0	0	0	0	20	20	20	20	21	36	36	36	36	36	36	36
KNRG	HY02	37	25	26	27	26	26	26	27	26	26	27	27	26	26	25	25	25	37	37	37	37	37	37	37
KNRG	HY03	35	20	0	0	0	0	0	0	0	0	0	0	20	20	21	20	21	36	36	35	36	35	35	35
KNYR	HY01	100	100	100	100	100	100	100	101	100	100	101	101	100	100	100	100	101	101	101	101	101	101	101	101
KNYR	HY02	101	102	101	101	101	101	101	102	102	101	101	101	101	101	101	101	101	102	102	102	102	102	102	102
KNYR	HY03	100	101	101	101	101	101	101	101	101	101	101	101	100	100	101	101	101	101	101	101	100	101	101	101
KNYR	HY04	100	101	101	101	100	101	101	101	101	101	101	101	100	100	101	101	101	101	101	101	100	101	101	101
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	16	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	16	15	15	15	15	15	15	15	15	15	15	15	15	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	7	8	8	8	8	8	8
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	21	-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	21	-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	0	31	31	49	49	49	49	49
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25
TMGR	HY01	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	87	87	87	87	87	87
TMGR	HY02	42	47	47	49	43	47	47	45	44	45	45	44	61	46	46	45	43	43	42	45	45	46	47	46
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	85	85	85	85	85	85
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	38	37	40	40	41	43	46
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	90	90	91	89	95	107
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	98	108	108	105	106	106
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		716	621	554	558	571	554	555	552	553	556	552	552	594	577	557	554	548	650	648	661	661	688	736	1020
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	2	4	9	14	17	13	24	17	17	16	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	13	18	22	22	30	30	30	30	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	18	19	24	28	30	30	30	28	19
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	14	21	29	33	39	38	44	29	46
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	12	17	23	35	41	34	39	49	47
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	18	21	19	25	26	24	24	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	21	29	35	36	44	48	50	44	26
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	16	24	31	37	41	46	49	45	44
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	13	22	31	36	39	42	43	41
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	4	14	16	21	29	20	22	23	27
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	17	30	46	44	47	50	51	47
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	20	28	37	43	47	52	47	52	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	20	27	24	28	31	37	37	31

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																											
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	14	19	8	11	12	20	15	24	24	15	23	29	9	10	6	7	5	3	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	0	24	83	165	252	338	391	451	466	499	494	519	418	437	459	397	344	324	271	242	197	124	64	26	2	1	0	0	0	0	0	0	0	0					
PCUF	CUFG	4	4	4	4	4	6	6	7	6	5	4	4	6	4	6	6	3	5	4	5	3	4	3	3	4	3	3	4	3	2	4	4	3	4	3	5	48	49	50	50	51	6	7	6	6						
PCUF	CUFK	4	5	4	3	5	5	5	5	5	5	4	4	5	5	4	5	5	3	5	5	3	4	4	4	3	4	5	5	4	4	21	29	29	4	3	4	5	5	21	31	29	30	29	4	3	2	5				
Total Co-Gen		8	9	8	7	9	11	11	12	11	10	9	9	10	9	11	10	8	10	7	10	8	7	7	7	8	6	8	8	8	7	8	24	31	33	8	6	8	8	10	69	80	79	80	80	10	10	8	11			
Total Gen		14955	14664	14172	14016	13744	13591	13408	13181	12974	12880	12758	12731	12844	12926	12966	13159	13417	14377	14977	15395	15701	15991	16102	16300	16269	16150	16193	16431	16788	17096	17187	17173	17274	17208	16903	16298	15859	15520	15517	16426	16703	16814	16698	16540	16292	16176	16008	15843			
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		31	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	29	29	30	29	29	30	30	30	29	29	30	30	30	29	29	30	30	29	29	30	30	29	29	30	30	29		
TIE-PLTG		15	-10	-34	36	27	-2	-19	6	-17	-10	-3	17	-20	5	-36	6	42	18	26	-18	2	-3	23	-7	15	41	21	15	13	14	43	8	32	46	51	66	36	40	49	-9	-18	-5	-31	-2	29	-12	47	35			
Interconnection		46	20	-4	66	56	29	12	36	13	20	27	48	10	35	-6	36	72	48	56	12	32	29	54	23	45	71	50	44	42	44	73	37	61	75	81	96	66	69	79	21	12	25	-2	27	58	18	76	64			
System Total		14920	14655	14187	13961	13699	13573	13407	13156	12972	12871	12742	12694	12845	12902	12983	13134	13356	14340	14932	15394	15680	15973	16059	16288	16235	16090	16154	16398	16757	17063	17125	17147	17224	17144	16833	16213	15804	15462	15449	16416	16702	16800	16711	16524	16245	16169	15943	15790			
SRev ST-Coal		406	449	779	795	876	914	915	914	909	918	917	914	912	914	917	919	910	861	706	489	415	423	415	437	441	430	427	299	312	291	265	285	281	282	283	290	285	334	326	282	265	267	266	243	267	258	277	299			
SRev CCGT-Gas		593	467	463	430	511	425	417	446	472	424	560	588	519	417	354	450	511	591	440	443	519	381	383	465	507	489	477	516	342	186	174	197	238	215	365	205	396	592	573	279	279	172	201	356	339	337	259	290			
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	
Syncon		1040	1127	1127	1127	976	1127	1127	1127	1127	1127	976	976	1127	1127	1127	1040	1040	1040	1040	889	953	766	766	853	853	666	579	428	428	126	126	126	126	789	1040	1040	1040	766	428	428	428	579	579	428	515	702					
Hydro		153	161	100	96	234	100	99	102	101	98	102	102	211	228	97	100	106	219	221	208	208	332	306	209	225	279	278	464	374	442	355	741	610	627	727	327	172	182	181	222	410	402	491	366	287	394	413	338			
S.Reserve Total		2192	2204	2469	2448	2597	2566	2558	2589	2609	2567	2706	2731	2618	2535	2495	2596	2654	2711	2407	2180	2182	2025	2057	1877	1939	2051	2035	1945	1607	1347	1222	1349	1255	1250	1501	1611	1893	2148	2120	1549	1382	1269	1386	1544	1472	1417	1464	1629			