

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,533 MW
Distillate	0 MW
Total TNB	2,533 MW
Total IPP	15,802 MW
Total Co-Gen	0 MW
Total System	21,178 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,801	4.15 %
Gas	34,537	9.68 %
Total TNB	49,338	13.82 %
ST-Coal	203,110	56.91 %
LSS	2,352	0.66 %
Gas	101,932	28.56 %
Total IPP	307,394	86.13 %
Co-Gen	1,144	0.32 %
Total Co-Gen	1,144	0.32 %
Total Generation	357,876	100.27 %
PLTG	238	0.07 %
EGAT	5	0.00 %
HVDC	724	0.20 %
Interconnection	967	0.27 %
Net Energy	356,909	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:	16:30:00 Hour
Total Set On Bus	18,443 MW
TNB Generation	2,335 MW
IPP Generation	14,293 MW
Spinning Reserve	1,776 MW
Maximum Demand	16,638 MW
Net Energy	356,909 MWH
Load Factor	89.38 %

Fuel Cost

Total Cost:	74,962,804.66 RM
Cost per Unit	20.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	481
Hydro	595
Syncon	653
Thermal	157
Total	1,886

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	81

Total TNB 128

CBPS	49
NPRI	142
PGLA	54
PLPS	63
SKSP	3

Total IPP 311

Total Gas 439

Total Gas Required 439

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14828	14117	13536	13111	12761	12498	12553	12734	13198	14630	15485	15838	15832	15562	16011	16336	16479	16459	15561	15591	16471	16128	15516	15206

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		
HTRG	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		
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	63	63	0		
HTRG	HY03	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	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		
KNRG	HY01	34	21	21	22	21	21	21	20	20	21	21	21	22	22	22	22	21	21	21	21	21	21	22	35	35	
KNRG	HY02	35	20	11	0	0	0	0	0	0	0	0	0	0	23	22	23	23	23	22	22	0	0	0	0	0	
KNRG	HY03	34	21	21	21	21	22	21	21	21	21	21	22	22	21	21	20	21	21	21	21	0	0	0	0	0	
KNYR	HY01	97	98	98	98	98	98	98	57	57	56	57	57	59	60	59	59	56	56	56	57	98	98	98	98	0	
KNYR	HY02	99	100	100	101	101	58	57	57	57	56	57	57	59	60	60	58	60	60	58	100	101	100	101	57	55	
KNYR	HY03	98	99	99	99	99	98	98	50	50	48	50	49	50	52	52	52	51	53	53	51	50	52	52	49	49	
KNYR	HY04	65	59	58	88	69	74	59	58	59	60	59	60	60	71	76	100	100	60	61	100	60	59	59	57	56	
LPIA	HY01	24	22	22	22	22	22	22	20	18	18	18	17	17	17	20	20	21	22	23	23	23	23	23	26	26	
LPIA	HY02	24	22	22	20	20	20	20	18	18	18	18	18	18	19	19	21	22	22	23	23	23	23	24	25	26	
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	3	
PGAU	HY01	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
PGAU	HY04	21	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	30	30	30	30	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	26	26	26	26	26	0	0	
TMGR	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	0	
TMGR	HY02	35	35	-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	-1	
TMGR	HY04	48	40	42	77	54	61	40	41	42	41	41	40	40	60	58	83	83	42	41	75	41	42	84	69	42	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	92	93	85	88	94	92	-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	-1	
UPIA	HY01	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	6	5	5	5	5	5	5	5	5	
UPIA	HY02	5	5	5	4	4	4	4	3	3	3	3	3	3	2	2	2	2	4	5	5	5	5	5	5	5	
Total Hydro		721	666	602	675	612	583	544	542	449	448	444	447	467	479	488	539	538	560	566	693	605	654	735	719	589	
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	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	9	9	11	17	19	17	11	16	18	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	8	18	14	19	25	29	21	31	31	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	14	20	21	18	32	23	17	31	20	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	8	12	13	11	23	29	22	28	26	38	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	2	5	7	10	13	15	9	5	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	15	26	26	35	39	34	24	37	33	29	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	17	22	25	23	27	22	13	28	28	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	5	8	13	16	9	10	17	21	35	27	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	17	18	24	19	27	29	24	28	31	32	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	10	13	15	15	18	21	15	12	18	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	10	10	8	13	22	25	22	25	17	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	10	12	25	24	32	23	23	22	26	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	3	8	6	6	6	6	16	25	26	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	14	7	6	24	21	4	7	11	26	7	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	4	31	86	115	152	217	227	240	298	278	310	306	
PCUF	CUFG	28	27	28	28	27	29	28	28	27	28	29	27	29	29	29	28	28	28	29	29	4	7	8	5	7	7

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	
PCUF	CUFK	28	25	27	25	24	25	26	27	26	26	26	26	26	26	26	25	26	27	25	26	25	26	24	25	24	25	25	25	25	27	26	25	24	25	25	26	26	25	25	27	25	26	25	28	26	27		
Total Co-Gen		56	52	55	53	51	54	54	55	53	54	55	53	55	55	53	55	55	53	54	54	55	28	32	32	30	32	32	34	35	32	35	38	39	35	37	30	52	55	54	53	56	53	55	53	57	55	56	
Total Gen		14849	14443	14155	13843	13613	13435	13181	12976	12846	12645	12528	12499	12607	12752	12755	12925	13196	14162	14658	15109	15564	15722	15826	15956	15819	15646	15545	15839	15991	16247	16371	16445	16516	16667	16574	16109	15698	15377	15726	16439	16461	16392	16168	15962	15622	15354	15225	15097
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	
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	29	31	29	29	29	32	32	29	31	31	31	30	31	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	29	29	
TIE-PLTG		-9	42	7	23	47	25	40	16	54	37	0	57	23	-10	-8	-13	-32	18	-2	-34	50	-41	-44	-89	-44	3	-48	-14	-50	-30	5	38	7	-2	84	64	107	84	105	-2	-41	3	9	-14	75	-24	-11	14
Interconnection		21	72	38	54	77	56	70	46	85	68	30	87	54	20	21	16	-2	49	28	-5	79	-9	-12	-60	-13	34	-17	17	-20	1	35	69	37	29	115	94	137	114	135	29	-10	34	40	17	106	7	19	44
System Total		14828	14371	14117	13789	13536	13379	13111	12930	12761	12577	12498	12412	12553	12732	12734	12909	13198	14113	14630	15114	15485	15731	15838	16016	15832	15612	15562	15822	16011	16246	16336	16376	16479	16638	16459	16015	15561	15263	15591	16410	16471	16358	16128	15945	15516	15347	15206	15053
SRev ST-Coal		98	122	300	377	422	418	522	446	483	498	470	465	466	423	424	433	375	485	219	203	147	123	147	137	124	339	319	187	150	146	194	146	119	136	256	239	251	188	139	156	158	160	137	140	159	414	528	667
SRev CCGT-Gas		705	907	873	694	696	823	1072	1186	1329	1608	1757	1785	1798	1731	1741	1653	1448	713	652	647	613	539	478	404	404	754	1016	940	839	639	556	590	533	379	394	463	857	640	320	136	187	167	240	269	615	620	742	331
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	1	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
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
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
Syncon		738	738	826	675	826	826	826	826	826	826	826	675	826	826	826	826	639	639	639	639	488	639	639	826	826	826	826	826	826	826	826	675	826	826	639	927	927	401	401	126	126	313	551	740	740	1028	1028	1028
Hydro		468	523	451	489	401	430	469	471	564	565	569	566	697	534	525	474	475	640	634	557	645	772	540	556	539	562	564	619	574	497	481	617	445	435	515	463	424	749	734	732	865	768	701	577	600	368	289	353
S.Reserve Total		2009	2290	2450	2235	2345	2497	2889	2929	3202	3497	3622	3642	3636	3514	3516	3386	3124	2477	2144	2046	2044	1922	1804	1736	1893	2482	2725	2572	2389	2108	2057	2028	1923	1776	1804	2192	2459	1978	1594	1150	1336	1408	1629	1726	2114	2430	2587	2379