

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,309 MW
Distillate	0 MW
Total TNB	2,309 MW
Total IPP	17,444 MW
Total Co-Gen	0 MW
Total System	22,080 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,484	3.91 %
Gas	38,698	11.22 %
Total TNB	52,182	15.12 %
ST-Coal	206,678	59.90 %
LSS	3,807	1.10 %
Gas	83,333	24.15 %
Total IPP	293,818	85.16 %
Co-Gen	-82	-0.02 %
Total Co-Gen	-82	-0.02 %
Total Generation	345,918	100.26 %
PLTG	166	0.05 %
HVDC	725	0.21 %
Interconnection	891	0.26 %
Net Energy	345,027	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,406 MW
TNB Generation	3,247 MW
IPP Generation	13,239 MW
Spinning Reserve	935 MW
Maximum Demand	16,427 MW
Net Energy	345,027 MWH
Load Factor	87.52 %

Fuel Cost

Total Cost:	87,796,271.89 RM
Cost per Unit	25.34 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	262
Hydro	255
Syncon	758
Thermal	530
Total	1,805

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	105
Total TNB	158
CBPS	51
EMPP	198
KLPP	9
NPRI	152
PCGP	88
PLPS	40
SPGP	104
Total IPP	642
Total Gas	800
Total Gas Required	800

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	16299	15667	15002	14418	13919	13610	13570	13148	12436	12799	13325	13598	13506	13605	13993	14033	14321	14315	14165	14713	16172	16427	16195	15865

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		
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	9	
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	-1	
HTRG	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	0	
HTRG	HY03	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	
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	7	
KNRG	HY01	35	35	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	36	36	36	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	37	37	37	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	37	37	37	
KNYR	HY01	98	94	93	95	95	95	98	98	98	98	98	98	98	98	98	98	98	98	98	98	99	99	97	97	99	
KNYR	HY02	68	56	61	92	95	91	87	98	99	99	98	98	99	96	100	100	101	58	101	0	0	0	0	0	0	
KNYR	HY03	96	94	93	93	92	92	91	92	92	93	94	95	95	59	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	10	10	10	10	10	10	10	10	10	
LPIA	HY02	7	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	-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	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	19	15	23	25	25	-1	-1	20	-1	-1	19	-1	-1	-1	25	-1	-1	-1	22	-1	-1	-1	22	22		
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	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	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	0	
SYPS	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	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	
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	0	
TMGR	HY01	84	78	53	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	65	39	46	56	89	68	57	90	89	79	90	85	89	90	90	90	90	45	90	80	52	51	70	41		
TMGR	HY04	83	77	44	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	-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	
UPLA	HY02	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		743	682	660	625	514	463	447	516	495	485	497	512	517	519	497	392	308	310	239	351	417	389	388	429	372	
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	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	7	9	13	13	13	19	18	12	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	8	9	8	11	20	23	16	12	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12	13	16	29	19	34	19	14	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	12	14	22	22	27	31	30	24	13	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	6	8	9	11	12	14	20	26	24	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	4	3	6	8	9	11	15	
GMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	6	14	14	22	23	31	31	24	21	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	9	14	16	23	29	26	17	17	13	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	5	20	21	30	32	40	25	42	41	50	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	19	30	34	42	64	66	91	49	38	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	17	18	27	33	38	40	32	25	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	9	11	13	24	21	21	16	12	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	36	52	100	58	100	100	100	86	45	89	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	13	22	27	18	27	29	30	23	14	22	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	6	8	12	8	12	12	25	15	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	9	9	7	9	12	11	9	10	

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
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	-16	-16	-16	-16	-16	-16	-14	-14	-14	-15	-13	-10	-8	-9	-12	-15	-22	-25	-24	-16	-23	-22	-24	-22
KHTC	BLK1	-11	-10	-8	-9	-10	-9	-7	-7	-8	-7	-4	-6	-7	-5	0	5	-2	1	1	0	0	1	-2	-3
PCUF	CUFK	3	3	3	3	3	3	1	1	3	3	3	3	2	3	2	3	3	3	2	3	2	3	3	1
PCUF	CUFG	3	3	3	3	3	3	1	1	3	3	3	3	2	3	2	3	3	3	2	3	2	3	3	1
PFTZ	PFTZ	5	5	5	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
Total Co-Gen		7	-16	-13	-20	-22	-19	-19	3	7	10	11	8	8	15	19	24	22	16	15	10	4	5	14	
Total Gen		16357	15995	15714	15408	15029	14791	14461	14236	13945	13702	13640	13477	13621	13414	13208	12635	12479	12776	12867	13141	13389	13570	13631	
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		31	31	31	31	29	31	29	29	30	31	31	31	31	29	31	31	31	29	29	31	29	29	29	29
TIE-PLTG		27	23	16	-13	-3	12	14	22	-4	-17	-1	28	20	8	31	-5	12	52	37	-15	32	44	2	
Interconnection		58	54	47	17	27	43	43	51	26	14	30	59	51	38	60	26	43	83	68	14	64	76	33	
System Total		16299	15941	15667	15391	15002	14748	14418	14185	13919	13688	13610	13418	13570	13376	13148	12609	12436	12693	12799	13127	13325	13494	13598	
SRev ST-Coal		135	125	119	107	324	426	439	433	418	429	419	423	460	438	449	784	794	819	779	768	783	766	776	
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
SRev CCGT-Gas		380	668	783	616	658	750	1051	1364	1218	1160	1204	1376	1253	1486	1665	1277	693	240	311	138	146	159	167	
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
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
SRev Co-Gen		0	-2	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		802	802	651	890	978	1129	1129	978	1129	1129	978	978	978	1129	1079	1230	1230	1079	1003	1003	1003	1003	852	852
Hydro		244	305	478	274	169	69	85	167	37	47	35	171	166	164	35	190	23	21	117	156	91	119	120	
S.Reserve Total		1561	1898	2031	1888	2129	2374	2704	2943	2804	2765	2787	2948	2857	3066	3278	3330	2740	2310	2438	2140	2023	2047	2066	