

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,165 MW
Distillate	0 MW
Total TNB	2,165 MW
Total IPP	16,142 MW
Total Co-Gen	0 MW
Total System	21,295 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,706	6.50 %
Gas	38,608	12.13 %
Total TNB	59,314	18.63 %
ST-Coal	181,137	56.90 %
LSS	6,224	1.96 %
Gas	70,660	22.20 %
Total IPP	258,021	81.05 %
Co-Gen	720	0.23 %
Total Co-Gen	720	0.23 %
Total Generation	318,055	99.91 %
PLTG	507	0.16 %
HVDC	-788	-0.25 %
Interconnection	-281	-0.09 %
Net Energy	318,336	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,260 MW
TNB Generation	3,618 MW
IPP Generation	11,298 MW
Spinning Reserve	1,313 MW
Maximum Demand	14,989 MW
Net Energy	318,336 MWH
Load Factor	88.49 %

Fuel Cost

Total Cost:	104,680,752.94 RM
Cost per Unit	32.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,117
Hydro	550
Syncon	220
Thermal	351
Total	2,238

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	135
Total TNB	164
EMPP	240
NPRI	138
PCGP	81
SPGP	101
Total IPP	560
Total Gas	724
Total Gas Required	724

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	14096	13603	13042	12604	12386	12213	12164	12079	11583	11919	12452	12792	12885	12967	13437	13775	13970	13809	13512	13917	14989	14959	14539	14243

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					
KNYR	HY03	98	98	97	97	96	95	95	95	95	95	96	96	97	98	98	98	98	97	97	95	95	94	94	95	95	96	97	97	98
KNYR	HY04	-1	-1	-1	-1	-1	-1	102	102	101	102	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	19	19	18	19	19	19	19	18	19	18	18	18	18	19	19	19	18	0	0	0	0	0	0	0	0	0	0	0	0
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	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	21	0	0	0	0	0	0	0
PGAU	HY02	21	22	22	22	22	22	22	22	22	22	21	22	21	21	21	21	21	107	19	76	0	0	0	0	0	0	0	0	0
PGAU	HY03	21	22	21	22	22	22	22	22	22	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	21	20	21	20	21
PGAU	HY04	21	21	22	22	22	22	22	21	22	21	21	21	21	21	21	21	20	21	21	20	20	20	21	21	21	22	22	21	21
SIHY	HY01	30	29	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	
SIHY	HY02	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	
SIHY	HY03	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	
SYPS	HY01	25	25	25	25	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	
SYPS	HY03	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	
SYPS	HY04	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	84	87	87	87	87	87	86	80	79	35	34	31	35	34	34	35	35	34	34	34	34	35	34
TMGR	HY02	0	0	0	0	0	0	83	87	87	88	87	89	89	89	88	31	32	30	31	31	31	31	31	31	31	31	32	32	
TMGR	HY04	75	80	81	69	65	65	80	75	75	74	81	82	76	82	57	40	41	66	42	81	73	77	70	82	77	79	80	80	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	93	-1	87	93	93	91	90	84	92	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	
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	7	7	7	7	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		771	817	817	802	792	623	651	912	915	917	857	879	853	860	812	707	692	722	689	742	727	787	704	699	692	673	676	739	
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	0	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	10	13	17	23	22	26	25	29	26	21	20	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	15	15	22	23	26	31	29	16	20	25	18	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	14	18	16	24	26	26	19	14	26	9	11	31	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	15	17	24	28	34	38	41	14	22	34	14	44	30	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	20	25	25	38	37	41	28	45	22	47	17	17	30	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	5	16	10	20	26	28	29	30	27	30	30	24	23	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	20	27	32	38	29	42	49	37	28	47	44	36	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	15	19	25	28	30	30	28	31	31	16	25	12	
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	16	22	21	28	36	30	25	35	39	35	47	44	32	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	16	29	49	53	64	71	91	76	88	63	91	39	70	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	18	26	33	34	42	30	34	39	36	49	34	28	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	12	18	20	24	27	23	18	29	27	19	29	12	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	17	37	43	64	80	88	79	72	85	50	86	83	84	58	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	10	16	19	22	21	9	21	9	20	24	22	20	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	6	19	26	35	26	42	36	48	44	51	35	50	35	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	15	34	49	66	83	61	84	87	85	94	90	86	85	63	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	24	44	55	87	93	104	104	104	104	104	104	102	91	90	91
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	21	27	30	38	46	52	48	34	47	52	46	49	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	12	16	27	22	35	35	40	46	42	39	47	44	17	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	12	11	18	19	21	26	10	11	26	21	24	14	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	16	27	25	30	30	30	30	30	30	24	30	30	23	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	52	166	295	454	611	731	807	870	869	882	814	895	904	824	711	
ESTL	ESTL	15	17	14	15	17	15	16	16	18	16	1	11	16	0	1	0	0	5	15	16	0	13	1	16	0	15	13	14	

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																										
KHTC	BLK1	5	2	1	3	2	2	2	2	2	2	1	2	2	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	1	2									
PCUF	CUFG	8	11	9	10	9	10	11	11	9	11	10	10	10	7	9	10	10	8	9	9	10	10	8	11	8	9	8	9	10	9	10	9	9	8	9	9	9	8	8	8	8	8	8	9	7	9	9	8		
PCUF	CUFK	6	7	5	6	5	6	4	4	3	4	2	6	5	2	5	4	5	4	3	4	5	5	4	4	4	4	3	4	6	5	4	4	4	2	6	2	5	4	3	5	3	3	3	4	4	3	4	5		
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	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 Co-Gen		40	43	35	40	39	39	39	39	38	39	21	34	39	17	24	22	22	24	34	35	21	34	18	36	18	34	30	33	22	32	20	18	19	17	21	30	33	33	30	29	31	18	18	33	34	36	41	39		
Total Gen		14092	13802	13609	13301	13039	12834	12602	12499	12379	12298	12213	12126	12113	12249	12069	11776	11601	11793	11962	12145	12434	12756	12784	12886	12842	12885	12932	13213	13382	13604	13839	14017	13993	13972	13769	13714	13562	13608	13919	14578	14947	14932	14916	14819	14533	14442	14219	14000		
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		-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-49	-49	-50	-51	-49	-50	-51	-49	-48	-30	-28			
TIE-PLTG		24	-8	35	18	26	-5	26	25	22	12	29	-11	-21	38	18	68	46	33	72	42	10	-2	21	-10	-12	-15	-6	-5	-25	3	92	123	52	41	-11	51	79	30	52	-4	9	40	7	6	43	-28	6	-21		
Interconnection		-4	-36	6	-11	-3	-34	-2	-4	-7	-17	0	-40	-51	11	-10	39	18	3	43	13	-18	-31	-8	-40	-43	-44	-35	-35	-55	-25	64	93	23	12	-40	22	50	-19	2	-54	-42	-10	-43	-45	-6	-76	-24	-49		
System Total		14096	13838	13603	13312	13042	12868	12604	12503	12386	12315	12213	12166	12164	12238	12079	11737	11583	11790	11919	12132	12452	12787	12792	12926	12885	12929	12967	13248	13437	13629	13775	13924	13970	13960	13809	13692	13512	13627	13917	14632	14989	14942	14959	14864	14539	14518	14243	14049		
SRev ST-Coal		130	130	183	440	432	440	459	462	563	650	471	519	582	432	439	446	435	443	443	440	438	444	445	445	453	456	437	447	450	439	338	335	317	332	321	328	337	336	322	207	221	214	203	206	210	212	197	195		
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 CCGT-Gas		1054	1039	1171	1210	1467	1499	1736	2023	2042	2041	2031	2104	2032	1856	1993	2162	2396	2336	2273	2312	2154	2019	1964	1938	1950	1912	1814	1673	1457	1170	782	787	806	591	864	995	1201	1102	905	376	283	270	320	316	430	501	711	775		
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 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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		840	840	840	840	840	840	840	651	651	651	651	500	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	
Hydro		600	554	554	558	568	501	462	477	474	472	407	558	411	415	452	457	560	563	596	543	488	468	432	411	542	410	407	418	644	499	442	592	570	630	684	659	712	572	716	784	683	705	682	707	663	683	716	497		
S.Reserve Total		2624	2563	2748	3048	3307	3280	3497	3613	3730	3814	3560	3681	3676	3354	3535	3716	4042	3993	3963	3946	3731	3582	3305	3071	3071	3055	2935	2815	2743	2300	1941	1780	1759	1740	2056	2270	2437	2323	2256	1680	1313	1315	1331	1443	1643	1736	1964	2181		