

Daily System Generation Summary on Monday

Monday, March 14, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,990 MW
Distillate	222 MW
Total TNB	2,212 MW
Total IPP	18,822 MW
Total Co-Gen	0 MW
Total System	24,146 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,190	5.10 %
Distillate	5,036	1.34 %
Gas	28,075	7.46 %
Total TNB	52,301	13.90 %
ST-Coal	213,402	56.71 %
ST-Gas	2,151	0.57 %
ST-Oil	767	0.20 %
LSS	3,794	1.01 %
Distillate	11,421	3.03 %
Gas	91,765	24.38 %
Total IPP	323,300	85.91 %
Co-Gen	1,297	0.34 %
Total Co-Gen	1,297	0.34 %
Total Generation	376,898	100.15 %
PLTG	121	0.03 %
HVDC	458	0.12 %
Interconnection	579	0.15 %
Net Energy	376,319	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	19,437 MW
TNB Generation	2,972 MW
IPP Generation	14,918 MW
Spinning Reserve	1,494 MW
Maximum Demand	18,024 MW
Net Energy	376,319 MWH
Load Factor	86.99 %

Fuel Cost

Total Cost:	102,815,861.14 RM
Cost per Unit	26.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,208
Hydro	402
Syncon	125
Thermal	176
Total	1,911

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	30
TJGS	90
Total TNB	120
CBPS	49
EMPP	274
KLPP	33
NPRI	124
PCGP	55
PLPS	1
SGRI	35
SPGP	63
PKLG	22
Total IPP	656
Total Gas	776

Total Gas Required 1,021

Alternate Fuel Usage

Station	(mmcsfd)
PGLA	53
KLPP	40
PGLA	52
SGRI	41
TJGS	51
PKLG	8
Total	245

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	14890	14356	13831	13280	12987	12840	12874	13156	13754	15508	16389	17019	16990	16944	17550	17951	17977	17689	16603	16339	17279	17140	16577	16152

Daily MW Generation on Monday

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
JMAH	U001	707	705	705	706	705	705	705	704	706	705	706	706	707	706	707	707	706	702	706	705	705	706	707	704	706	705	705	707																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
JMAH	U002	708	704	706	704	705	705	707	701	706	706	702	705	705	704	701	701	706	704	705	705	704	701	708	706	707	707	706	703																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
JMHE	U002	977	980	975	983	979	900	902	850	852	850	851	850	851	855	848	869	882	884	976	981	973	982	979	979	980	982	981	980	975																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
JMJG	U001	667	666	671	668	665	666	668	669	673	668	667	668	667	664	673	663	670	666	668	668	667	666	666	668	666	667	663	665	667	667	672	670	661	664	671																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
JMJG	U002	664	669	670	667	675	682	670	664	670	667	672	668	671	668	669	667	671	668	668	672	671	667	668	669	670	672	668	671	671	671	675	668	669																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
JMJG	U004	974	976	974	974	977	939	892	853	854	853	851	853	852	852	854	853	881	881	936	973	974	974	972	972	974	975	974	965	967	966	971	969	969	970	972	970	971	972																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
JMJG	U005	971	972	970	972	972	904	876	848	849	848	849	850	848	848	849	849	881	882	968	973	970	973	971	966	969	974	973	974	969	975	972	972	970	972	977	967	972	972	973	972	971	971	972																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
PKLG	U003	276	278	275	276	277	276	278	276	279	280	280	280	281	281	280	279	277	278	279	277	279	277	279	277	278	278	275	279	276	279	278	279	280	279	278	278	277	278	276	276	277	275	277	277																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
PKLG	U004	274	270	272	276	274	272	273	273	276	273	272	271	271	270	274	274	272	271	273	276	274	276	274	276	274	270	267	274	277	276	275	273	274	288	275	272	272	271	269	275	273	274	273	275	274	274																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
PKLG	U006	358	358	359	385	438	444	449	446	448	449	447	443	440	444	445	448	446	449	448	449	449	448	448	445	445	445	445	445	449	448	449	448	449	448	446	453	455	472	447	445																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
TBIN	U001	696	699	698	699	700	701	699	699	697	700	701	699	700	697	699	699	698	699	698	696	700	697	699	700	700	702	698	698	699	698	702	697	701	697	701	703	699	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702

Daily MW Generation on Monday

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	
BSIA	HY03	24	24	23	24	24	23	23	24	24	23	23	23	24	24	23	23	24	24	23	24	24	24	24	23	24
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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	62	62	62	62	63	63	63
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	62	62	63	63	63	63	63	
HTRG	HY03	3	3	3	3	3	3	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	3	3	3	
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	
KNRG	HY01	35	35	35	35	35	35	34	35	34	34	22	22	22	34	34	34	34	34	34	34	34	34	34	34	
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	23	23	23	37	37	37	37	37	37	37	37	37	37	37	
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	22	22	23	36	36	36	36	36	36	36	35	36	36	36	
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	17	17	17	17	17	17	17	17	16	14	14	
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	17	17	17	17	16	14	14	
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	
PGAU	HY01	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	0	0	0	0	0	0	0	
PGAU	HY03	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	82	79	20	19	20	20	152	151	151	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	19	19	19	20	20	151	151	151	
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	
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	
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	
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	
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	82	82	82	82	82	82	82	34	-1	-1	-1	-1	86	86	86	85	85	85	85	85	85	85	84	31	
TMGR	HY02	86	86	86	86	86	86	86	86	34	34	34	35	82	35	89	89	89	88	88	88	89	89	87	88	
TMGR	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	
TMGR	HY04	85	83	83	68	85	82	85	81	82	40	46	44	82	85	84	85	84	85	84	85	81	41	49	41	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	88	84	91	92	81	182	182	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	90	86	93	96	81	185	185	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
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	
Total Hydro		522	522	521	507	524	520	523	520	522	430	349	307	305	347	512	467	528	528	527	525	527	645	779	772	755
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138	138	138	140	139	140	143	143	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	GT12	205	204	205	205	206	206	206	207	208	161	163	163	163	212	207	207	206	204	203	200	200	201	200	198	199
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	121	121	122	118	119	121	121	
TJGS	GT2B	212	212	212	212	212	212	213	210	213	211	211	175	174	174	214	214	211	213	213	213	213	213	212	212	212
Total Distillate		417	416	417	417	418	418	419	416	420	419	372	338	337	337	426	421	418	420	419	542	538	537	673	792	794
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	9	13	16	20	19	21	22	29	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	11	9	15	31	32	27	38	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	17	21	25	28	30	22	32	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	12	13	7	14	17	36	23	44	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	10	12	23	25	29	14	20	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	0	7	23	33	38	44	49	46	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	12	19	23	28	24	28	19	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	13	17	15	28	33	40	45	

Daily MW Generation on Monday

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																									
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	22	34	47	60	74	78	86	73	76	46	93	50	76	84	89	14	6	23	23	7	6	4	0	0	0	0	0	0	0	0	0		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	16	22	28	33	31	39	42	19	41	50	29	38	29	43	4	1	16	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	16	20	25	20	25	19	12	11	11	15	9	15	11	3	1	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	16	21	25	25	29	30	19	30	21	28	25	9	15	29	17	17	7	3	0	0	0	0	0	0	0	0	0	0	0	0		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	4	4	23	12	11	33	50	50	50	50	50	47	43	41	27	13	22	8	5	1	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	3	5	8	14	21	37	43	40	21	45	49	47	25	50	43	40	38	28	11	6	9	2	1	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	2	5	15	21	27	32	36	37	33	23	22	30	22	35	11	8	7	30	5	3	6	2	1	0	0	0	0	0	0	0	0	0	0	0	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	7	5	9	17	16	14	11	19	29	10	18	22	21	17	18	13	6	3	2	0	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	13	15	30	16	30	30	30	30	30	30	28	30	30	30	29	28	15	14	4	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	7	43	97	182	250	355	433	499	585	553	542	516	553	443	517	482	445	357	247	232	142	68	38	9	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	29	28	28	29	28	28	29	30	29	29	29	29	29	28	28	27	28	28	27	28	28	29	29	29	29	29	29	28	28	27	29	27	28	29	27	27	29	29	28	29	28	27	28	27	30	28			
PCUF	CUFK	25	26	25	26	26	26	28	27	24	27	24	26	27	26	26	23	25	27	27	26	26	23	25	27	25	25	25	25	25	24	26	27	27	25	24	28	27	24	26	25	27	26	25	26	26	25			
Total Co-Gen		54	54	53	55	54	52	55	58	56	53	56	53	55	56	55	56	55	54	51	52	55	56	53	54	55	54	54	53	53	55	53	55	56	52	51	57	56	52	55	54	55	53	53	56	56	53			
Total Gen		14930	14637	14373	13958	13860	13572	13299	13040	13002	12864	12852	12776	12882	13011	13374	13293	13785	14925	15567	16041	16379	16811	17043	17252	17106	16964	17001	17274	17618	17902	17990	17943	17935	17957	17720	17139	16661	16231	16336	16921	17321	17188	17121	16838	16591	16486	16169	15822	
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	31	31	31	31	31	30	31	31	31	31	31	29	29	180	30	30	30	31	31	30	30	31	31	31	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-30	-29	-29	-30	-30
TIE-PLTG		10	23	-15	12	-2	27	-11	-31	-16	16	-19	-36	-22	-75	38	-28	1	-53	29	27	-40	-9	-7	34	85	-10	27	24	38	-7	38	-81	-42	-44	31	57	58	33	-3	3	42	16	-19	11	43	32	47	10	
Interconnection		40	54	17	44	29	58	19	0	15	47	12	-5	8	-45	218	2	31	-23	59	57	-10	21	24	66	116	21	57	54	68	23	39	-81	-42	-44	31	57	58	33	-3	3	42	16	-19	-19	14	2	17	-20	
System Total		14890	14583	14356	13914	13831	13514	13280	13040	12987	12817	12840	12781	12874	13056	13156	13291	13754	14948	15508	15984	16389	16790	17019	17186	16990	16943	16944	17220	17550	17879	17951	18024	17977	18001	17689	17082	16603	16198	16339	16918	17279	17172	17140	16857	16577	16484	16152	15842	
SRev ST-Coal		234	229	227	194	137	302	383	450	426	435	438	440	444	448	430	443	407	425	177	135	134	123	131	139	125	130	126	122	156	126	147	149	147	141	139	152	135	149	135	133	139	143	145	140	128	140	147	141	
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-1	-1	-1	
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 CCGT-Gas		1314	1611	1661	2237	2409	2694	2862	2936	3014	3070	3128	3123	3014	2934	2976	3033	2755	1894	1644	1348	1258	1111	1055	893	1160	1408	1386	1227	1246	1066	903	944	845	740	842	951	1274	1653	1553	1291	996	1143	1244	1464	1537	1520	1641	2013	
SRev ST-Gas		0	0	0	0	0	31	32	32	32	34	35	35	36	35	36	36	37	37	37	38	38	38	38	38	38	38	38	38	38	38	39	38	38	39	39	40	40	40	0	30	30	30	31	31	32	32	34		
SRev Distillate		36	37	36	36	35	35	34	37	33	34	81	115	116	116	27	32	35	33	34	51	55	56	73	94	92	90	91	89	93	93	91	92	91	92	93	95	91	92	92	93	91	90	86	84	80	84	86	82	
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 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
Syncon		500	500	500	500	500	500	500	500	500	588	588	588	588	500	500	500	500	500	500	500	500	500	126	126	126	0	0	0	0	0	0	0	0	0	0	0	0	88	88	88	0	0	0	0	0	0	0	374	374
Hydro		307	307	308	322	305	309	306	309	307	399	392	434	436	394	317	362	317	317	318	320	318	200	440	572	589	668	629	733	271	271	290	270	288	267	391	814	779	790	762	515	523	506	479	549	749	861	682	542	
S.Reserve Total		2391	2684	2732	3289	3386	3871	4117	4264	4312	4472	4662	4735	4634	4515	4286	4406	4051	3206	2710	2392	2303	2028	1863	1862	2130	2334	2270	2209	1804	1594	1469	1494	1409	1278	1504	2051	2407	2812	2677	2039	1786	1919	1991	2275	2531	2636	2961	3185	