

Daily System Generation Summary on Tuesday

Tuesday, May 4, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,299 MW
Total Co-Gen	0 MW
Total System	22,650 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,852	6.03 %
Gas	69,862	18.42 %
Total TNB	92,714	24.45 %
ST-Coal	220,122	58.04 %
LSS	2,583	0.68 %
Gas	64,423	16.99 %
Total IPP	287,128	75.71 %
Co-Gen	157	0.04 %
Total Co-Gen	157	0.04 %
Total Generation	379,999	100.20 %
PLTG	65	0.02 %
HVDC	704	0.19 %
Interconnection	769	0.20 %
Net Energy	379,230	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:	14:30:00 Hour
Total Set On Bus	19,089 MW
TNB Generation	4,992 MW
IPP Generation	12,989 MW
Spinning Reserve	1,103 MW
Maximum Demand	17,932 MW
Net Energy	379,230 MWH
Load Factor	88.12 %

Fuel Cost

Total Cost:	59,044,327.63 RM
Cost per Unit	15.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	402
Hydro	493
Syncon	243
Thermal	155
Total	1,293

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	55
SRDG	3
TJGS	201
Total TNB	259
CBPS	52
NPRI	154
PLPS	82
SKSP	54
YPKA	52
Total IPP	394
Total Gas	653

Total Gas Required 653

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	15554	14865	14253	13951	13622	13628	13648	13439	14121	15771	16660	17063	17101	16979	17756	17875	17790	16988	16213	16183	16607	16775	16383	15964

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:43:56 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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		
JMAH	U001	694	692	693	692	694	693	692	693	692	694	691	692	693	694	693	693	694	693	692	693	692	693	692	691	692	
JMAH	U002	697	694	695	695	696	694	696	695	693	692	692	695	696	697	700	695	698	694	701	694	693	695	694	696	696	
JMHE	U002	978	977	982	972	900	900	897	900	870	849	850	852	847	851	850	850	855	985	980	981	979	981	978	978	980	
JMJG	U001	665	672	682	676	666	645	649	651	679	672	675	672	672	673	669	651	644	651	647	662	666	672	672	675	671	
JMJG	U002	682	683	673	680	681	678	677	682	680	683	682	683	682	678	676	677	680	682	679	679	683	672	679	678	679	
JMJG	U003	677	676	675	677	672	677	674	679	671	676	673	676	675	677	676	673	672	677	677	677	677	677	677	677	677	
JMJG	U005	889	890	890	889	888	890	888	890	890	889	888	887	892	891	891	891	889	888	889	890	891	887	892	888	889	
PKLG	U003	276	214	153	156	244	278	277	277	276	276	279	278	278	279	279	278	277	278	277	278	276	276	277	276	275	
PKLG	U004	277	202	151	153	240	278	278	272	274	277	277	280	279	276	279	278	279	278	277	278	277	278	276	275	278	
PKLG	U006	449	391	317	269	343	421	446	450	449	449	449	449	446	449	450	448	446	446	446	446	448	450	448	448	445	
TBIN	U001	690	663	687	688	687	687	689	686	687	688	687	687	687	687	686	690	685	681	685	689	686	687	686	686	687	
TBIN	U002	692	672	691	692	693	692	691	691	692	691	692	691	693	692	691	692	693	692	693	689	692	692	691	691	692	
TBIN	U003	691	669	685	690	691	692	687	689	690	690	687	689	690	688	690	690	692	690	689	689	690	692	690	691	692	
TBIN	U004	982	983	983	947	903	905	903	904	900	855	854	855	854	851	855	852	853	904	985	984	985	982	983	982	984	
Total ST-Coal		9339	9078	8957	8876	8998	9130	9146	9158	9144	9080	9080	9086	9078	9083	9092	9081	9069	9239	9323	9310	9334	9330	9329	9338	9333	
Total 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	
Total 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	
CBPS	BLK2	357	364	369	361	353	351	228	221	220	224	228	227	227	220	220	219	362	364	365	366	363	363	356	364	356	
EMPP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT01	99	101	101	100	69	68	68	68	69	68	67	68	68	67	67	68	68	101	104	104	103	103	89	90	105	
GLGR	GT02	100	100	100	100	68	67	67	68	69	68	68	67	67	67	68	68	67	100	104	103	103	103	87	90	101	
GLGR	ST1C	91	91	91	91	78	72	72	72	72	72	72	72	72	72	72	87	94	94	94	94	94	89	84	95		
NPRI	BLK1	499	512	509	506	494	502	506	499	398	323	322	322	325	319	312	322	518	518	521	527	529	515	529	520	525	
NPRI	BLK2	491	534	517	514	485	502	440	329	337	525	515	446	532	428	328	340	505	523	524	529	527	527	529	523	524	
PCGP	PGRG	403	409	266	262	262	261	260	261	259	263	261	261	261	260	260	262	263	261	262	341	333	402	401	401	402	
PLPS	GT11	110	127	129	129	128	128	128	129	128	128	129	128	129	128	129	125	127	130	133	130	137	135	134	137	116	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	124	141	140	138	141		
PLPS	GT13	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	144	143	143	133	132	129	132		
PLPS	ST18	131	58	60	58	59	57	57	57	58	58	58	57	58	58	58	57	59	57	143	144	199	211	212	212		
SKSP	BLK1	326	216	217	216	219	217	218	218	217	219	216	217	217	218	218	219	218	338	338	335	338	336	336	338	337	
SPGP	BLK1	720	721	721	721	720	680	680	679	651	600	600	601	600	647	649	597	721	718	718	719	718	719	717	720	715	
SPGP	BLK2	719	719	720	719	719	678	678	679	650	600	600	599	601	649	650	598	599	718	718	717	719	717	719	717	719	718
TJGS	GT1A	226	229	224	227	204	135	140	131	137	138	136	140	132	137	131	137	165	228	228	227	225	227	222	225	223	
TJGS	GT1B	215	220	217	217	196	129	129	128	126	126	128	130	128	129	125	126	156	220	216	217	218	215	212	215	212	
TJGS	ST1C	242	242	242	242	224	174	171	171	171	171	171	171	171	171	171	182	242	242	245	245	245	245	245	245	245	
TJGS	GT2A	214	217	216	215	132	106	106	107	107	107	106	106	106	106	106	106	208	214	214	215	216	214	214	215	215	
TJGS	GT2B	213	213	213	213	128	102	102	104	104	104	104	104	104	102	104	105	105	205	214	214	212	213	213	211	211	
TJGS	ST2C	255	255	255	255	215	192	192	192	192	192	192	192	192	192	192	192	235	254	254	257	257	257	257	257	257	
YPKA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	127	119	117	118		
YPKA	GT12	128	69	69	68	67	67	68	68	68	68	68	68	68	68	68	68	68	68	67	71	68	77	125	132		
YPKA	ST10	56	35	35	33	33	33	33	33	33	33	33	33	34	33	33	33	32	32	32	33	33	33	51	123	123	
YPKA	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	69	68	70	69		
YPKA	ST20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	61	61	62	62		
Total CCGT-Gas		5706	5432	5271	5247	4853	4521	4343	4214	4066	4087	4075	4009	4092	4071	3961	3889	4583	5407	5632	5733	5897	5996	6190	6302	6319	
SRDG	GT05	0	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 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	
BSIA	HY01	11	11	11	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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																								
BSIA	HY02	11	12	12	12	11	11	12	11	11	12	12	12	12	12	23	23	23	23	23	23	23	23	22	12	12	12	12	12																				
BSIA	HY03	11	12	12	12	11	11	12	11	11	0	0	0	0	0	12	23	22	22	22	23	22	23	22	22	22	22	23	12	12	12	0	0																
CEND	HY01	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	9	9	9	9	9																		
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	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	9	9	9	9	9	9																		
CEND	HY04	8	8	8	7	7	7	8	8	8	8	7	8	7	8	8	7	8	7	8	8	8	8	7	8	8	8	8	8	8	8	8																	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	125	124	62	61	0	0	0	64	122	123	123	123	123	63	63	0	0	0	0	62	63	63	123	62	63	63	63	63					
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	62	63	-1	-1	-1	-1	122	122	122	122	121	63	62	-1	-1	-1	-1	65	-1	-1	122	62	63	63	63	63						
KNRG	HY01	36	36	36	36	36	36	36	36	36	25	25	0	0	0	0	0	23	23	22	22	22	23	37	36	36	36	36	36	36	36	36	36	36	36	22	23	22	22	23	22	0	0						
KNRG	HY02	37	37	37	37	37	37	37	37	37	25	25	0	0	0	0	0	22	21	22	20	20	21	21	21	22	38	37	37	37	37	37	37	37	37	37	37	24	25	25	25	25	24	24					
KNRG	HY03	36	36	36	36	36	36	36	36	36	25	25	25	26	25	25	25	26	25	25	24	24	24	24	25	25	36	36	36	36	36	36	36	36	36	36	24	25	24	25	24	25							
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	100	100	100	100	99	99	100	100	100	100	100	100	100	100	97	97	55	58	99	53	57	101	100	100	100	100	100						
KNYR	HY02	58	102	101	69	58	60	95	59	66	101	98	101	83	60	81	58	65	91	101	100	87	58	58	59	60	90	98	100	75	76	63	101	101	56	57	57	95	60	56	95	62	101	88	101	100	60	59	
KNYR	HY03	58	60	60	-1	-1	-1	-1	-1	-1	100	100	100	100	100	99	99	96	101	100	102	100	101	98	98	98	99	101	100	100	100	100	101	96	96	96	58	98	54	58	100	101	99	100	100	100	99		
KNYR	HY04	58	61	61	60	58	58	61	59	58	101	101	101	101	101	100	100	97	102	101	102	101	101	100	100	101	101	101	101	101	102	97	97	97	59	58	55	59	101	102	100	101	101	101	100				
LPIA	HY01	19	19	19	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	18	18	18	18	18	18	18	16	16	16	16	16				
LPIA	HY02	18	18	18	17	17	17	17	17	17	17	17	17	17	17	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	17	17	16	16					
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	3	3	3	3	3	3	3	3	3	3	3	3	3						
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1				
PGAU	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	21	20	21	21			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	0	0	0		
SIHY	HY01	31	31	31	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	48	48	48	48	48	31	0	0	0	0	0	31	31	48	48	48	48	48	47				
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	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50	50					
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	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50	50					
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	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25			
SYPS	HY02	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84		
TMGR	HY02	43	86	88	57	42	43	81	43	45	69	46	45	78	44	43	44	45	45	74	84	64	64	44	43	43	46	75	82	86	63	62	48	44	83	41	43	43	51	43	41	43	44	58	45	48	47	44	43
TMGR	HY03	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	85	85	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	84	84	84	84	65	34	34	84	84	84	84	84	84	84	84	78	30	30	31	31	29	33	33	83	32	33	33	-1	-1		
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	93	87	93	93	95	96	95	127	136	95	128	95	85	-1	-1	-1	-1	-1	95	123	128	128	126	126	126	91					
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	94	88	96	95	97	97	97	130	128	130	128	130	87	90	-1	92	83	97	125	129	129	128	128	128	93						
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
Total Hydro		588	682	683	470	440	443	457	402	387	535	509	460	495	463	416	438	409	487	670	1019	1121	1305	1239	1141	1019	1009	1097	1240	1599	1740	1745	1681	1747	1549	1208	828	663	638	765	973	1115	1385	1723	1508	1372	1349	1215	1118
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	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	0	2	4	8	12	15	18	21	22	23	25	28	26	9	11	24	4	5	20	13	7	3	0	0	0	0	0	0	0	0	0	0	0	0	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	17	21	20	27	25	15	18	12	26	11	29	13	27	26	16	5	17	16	5	3	1	0	0	0	0	0	0	0	0	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		

