

Daily System Generation Summary on Tuesday

Tuesday, September 14, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,864 MW
Distillate	0 MW
Total TNB	1,864 MW
Total IPP	17,008 MW
Total Co-Gen	0 MW
Total System	22,795 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,263	5.19 %
Gas	64,161	18.23 %
Total TNB	82,424	23.42 %
ST-Coal	215,671	61.28 %
LSS	2,723	0.77 %
Gas	51,362	14.59 %
Total IPP	269,756	76.65 %
Co-Gen	1,240	0.35 %
Total Co-Gen	1,240	0.35 %
Total Generation	353,420	100.43 %
PLTG	778	0.22 %
HVDC	724	0.21 %
Interconnection	1,502	0.43 %
Net Energy	351,918	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:	16:00:00 Hour
Total Set On Bus	17,606 MW
TNB Generation	4,216 MW
IPP Generation	12,496 MW
Spinning Reserve	847 MW
Maximum Demand	16,700 MW
Net Energy	351,918 MWH
Load Factor	87.80 %

Fuel Cost

Total Cost:	55,170,997.54 RM
Cost per Unit	15.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	368
Hydro	375
Syncon	137
Thermal	398
Total	1,278

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	163
Total TNB	213
CBPS	56
NPRI	143
PGLA	88
SKSP	4
Total IPP	290
Total Gas	503
Total Gas Required	503

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	14009	13384	12931	12655	12358	12151	12307	12459	12917	14429	15114	15622	15599	15527	16160	16486	16700	16333	15385	15448	16385	16030	15580	15417

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 6, 2021 11:13:05 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	532	552	452	450	400	401	345	302	301	300	300	301	301	358	351	404	445	524	572	631	677	697	692	682	692	692	692	692	691	692	702	702	701	684	692	654	651	694	693	691	692	687	693	693	685	570			
JMAH	U002	506	455	456	453	401	404	383	302	305	302	305	306	303	359	355	407	416	504	606	691	695	695	703	703	697	706	706	702	692	693	690	694	701	709	707	691	695	653	654	697	697	693	699	697	696	697	698	604	
JMHE	U001	901	900	899	853	850	780	778	780	781	782	775	778	779	780	782	779	798	905	903	949	983	983	980	979	979	983	997	980	978	981	979	980	982	979	982	981	978	988	985	978	977	983	980	980	981	980	981	985	
JMHE	U002	980	902	897	847	846	783	778	780	780	778	779	780	781	782	780	779	807	905	902	953	980	980	982	980	978	976	981	1021	979	980	979	980	980	981	981	978	978	976	980	979	973	972	978	977	971	977	977	981	
JMJG	U001	566	568	568	565	564	564	570	568	567	566	570	570	564	564	594	597	597	604	623	649	667	674	688	677	679	674	676	675	673	666	666	666	665	667	649	648	653	643	651	645	648	647	650	651	647	645	657	655	640
JMJG	U002	572	564	570	570	570	570	573	571	566	570	570	569	563	570	596	600	598	609	638	639	674	673	671	677	673	671	672	671	674	673	668	673	685	683	682	674	676	676	672	677	676	678	673	676	672	674	673	668	
JMJG	U003	568	564	566	570	565	566	570	564	563	562	557	569	563	562	589	591	592	604	633	633	666	671	667	666	670	662	679	676	673	672	667	668	669	679	676	670	671	668	668	669	668	671	667	669	668	671	668	672	
JMJG	U004	936	904	901	845	786	787	786	786	789	788	790	789	789	791	787	789	808	896	924	948	977	980	981	978	978	977	979	981	980	977	979	979	978	978	979	979	979	977	980	977	981	979	980	979	979	980	977	980	
JMJG	U005	891	888	881	800	796	799	798	803	801	817	801	797	800	799	801	796	818	881	890	892	371	341	342	344	336	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U003	150	151	150	150	152	150	151	150	151	150	152	150	152	150	148	150	150	151	150	149	148	151	151	151	204	208	255	278	279	283	277	280	2																

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		
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	22	22	37	37	22	23	37	36	36	36	36	36	36	36	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	20	36	36	20	0	
KNYR	HY01	95	95	95	94	95	95	95	95	95	95	95	94	95	94	94	95	95	95	95	94	95	94	94	95	94	
KNYR	HY02	95	95	95	95	95	95	90	68	68	59	58	87	60	61	63	86	62	95	95	95	95	95	95	95	95	
KNYR	HY03	96	96	96	96	96	65	89	64	71	64	64	91	65	67	69	89	0	96	96	96	96	96	96	96	95	
KNYR	HY04	97	97	97	97	97	97	97	98	98	98	98	97	59	59	57	98	98	97	97	97	97	97	97	97	97	
LPJA	HY01	20	20	20	20	20	20	20	17	17	17	17	17	17	17	17	17	17	10	16	15	15	18	18	15	17	
LPJA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	10	11	14	18	17	17	15	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	
PGAU	HY01	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	110	0	0	0	0	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	22	21	83	82	22	21	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	48	47	47	47	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	49	36	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	17	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	17	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	0	0	
TMGR	HY01	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	-1	34	42	44	44	41	69	43	46	
TMGR	HY02	46	61	43	45	45	46	43	45	45	44	45	43	44	44	44	45	45	45	42	54	47	45	47	43	71	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	-1	-1	-1	-1	-1	-1	-1	32	32	-1	-1	80	32	-1	83	
UJLI	HY01	-1	0	0	0	0	0	0	0	0	0	0	0	88	92	88	83	92	-1	-1	-1	-1	0	0	0	0	
UJLI	HY02	-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	
UPIA	HY01	6	6	6	6	6	6	6	5	5	5	5	5	6	6	5	6	6	5	6	5	6	5	5	5	5	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	4	4	5	
Total Hydro		596	550	533	533	535	537	556	524	495	479	463	462	517	423	393	392	603	516	682	628	800	720	608	640	1115	705
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	1	2	6	8	10	14	24	24	26	27	23	25	18	20
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	13	20	22	15	20	19	17	17	16	18	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12	14	15	18	18	24	21	24	22	27	17	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	9	13	17	23	29	39	26	43	31	24	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	10	12	15	16	20	30	29	24	30	28	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	45	38	27	25	36	32	32	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	3	5	9	12	12	17	7	24	24	40	44	42	41	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	9	12	17	21	22	29	29	27	28	31	35	27	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	19	19	21	24	22	19	30	24	25	18	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	16	16	18	21	23	20	22	38	39	45	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	5	9	11	19	20	21	27	38	37	50	52	43	35	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	4	6	8	12	20	31	43	33	35	31	36	24	37	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	5	7	8	14	15	16	15	19	26	26	23	23	21	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	4	6	8	12	16	21	22	17	20	23	22	19	15	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	5	37	77	115	163	202	270	319	370	361	411	437	425	365	393
PCUF	CUFG	26	26	27	26	27	26	26	27	27	26	28	28	27	26	27	26	27	27	26	25	23	23	26	24	24	23
PCUF	CUFK	25	24	28	26	27	26	27	25	26	26	25	26	26	27	26	27	26	26	26	27	25	29	27	25	25	23
Total Co-Gen		51	50	55	52	54	52	53	52	53	52	54	54	53	52	51	54	52	54	53	53	52	52	48	52	53	49
Total Gen		14106	13676	13452	13195	13031	12882	12751	12580	12383	12341	12279	12291	12369	12507	12515	12563	13032	13903	14485	14884	15166	15414	15648	15810	15675	15632

Daily MW Generation on Tuesday

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