

Daily System Generation Summary on Tuesday

Tuesday, October 25, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,222 MW
Distillate	0 MW
Total TNB	2,222 MW
Total IPP	16,827 MW
Total Co-Gen	0 MW
Total System	21,194 MW

Generation Mix

Type	MWh	Percentage
Hydro	24,553	7.00 %
Gas	30,597	8.72 %
Total TNB	55,150	15.72 %
ST-Coal	179,934	51.27 %
LSS	4,808	1.37 %
Distillate	20,576	5.86 %
Gas	89,746	25.57 %
Total IPP	295,064	84.08 %
Co-Gen	571	0.16 %
Total Co-Gen	571	0.16 %
Total Generation	350,785	99.96 %
PLTG	1,565	0.45 %
HVDC	-1,700	-0.48 %
Interconnection	-135	-0.04 %
Net Energy	350,920	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:	16:00:00 Hour
Total Set On Bus	18,059 MW
TNB Generation	2,951 MW
IPP Generation	13,883 MW
Spinning Reserve	1,202 MW
Maximum Demand	16,833 MW
Net Energy	350,920 MWH
Load Factor	86.86 %

Fuel Cost

Total Cost:	132,216,761.71 RM
Cost per Unit	37.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	794
Hydro	496
Syncon	310
Thermal	131
Total	1,731

Time	Weather	Temperature
Afternoon	Rainy	27
Morning	Rainy	25

Gas Usage

Station	(mmscfd)
GLGR	44
TJGS	180
Total TNB	224
EMPP	217
KLPP	22
NPRI	81
PCGP	88
PGLA	55
PLPS	38
SGRI	21
SKSP	46
Total IPP	568
Total Gas	792
Total Gas Required	1,013

Alternate Fuel Usage

Station	(mmscfd)
PGLA	34
EMPP	69
PGLA	34
PLPS	45
SGRI	39
Total	221

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	13444	12833	12417	12088	11763	11541	11898	12137	12972	14640	15687	16325	16326	16114	16528	16767	16833	16316	15448	15925	16213	15923	15301	14955

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:12:22 PM

(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	U002	703	704	705	705	706	705	704	706	705	704	706	704	704	704	702	704	705	705	705	705	704	705	703	700	706	699	699	695	702	700	701	700	696	700	701	706	701	705	704	706	704	707	703	706	704	707	706	702	
JMHE	U001	898	848	848	851	851	852	851	849	848	850	850	850	850	852	850	850	850	849	953	979	980	978	978	980	979	977	980	978	981	979	980	981	978	983	978	980	979	982	976	980	978	979	979	980	975	979	977	980	
JMHE	U002	897	848	847	850	848	851	850	849	850	848	849	850	847	850	849	852	850	847	964	979	980	978	979	978	980	979	978	980	978	979	979	981	981	976	980	978	983	977	982	979	979	982	980	975	980	978	981		
JMJG	U001	433	437	436	436	436	439	439	436	437	437	437	442	441	435	436	441	441	440	436	437	438	439	438	439	438	439	439	439	441	436	439	439	439	438	437	441	436	440	437	439	441	439	439	437	442	436			
JMJG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	216	266	365	439	506	608	674	682	691	693	673	673	677	679	677	679	673	677	674	677	679	673	675	679	677	678	682	678	678	674		
JMJG	U004	846	844	842	843	846	843	843	843	845	846	846	846	846	843	843	843	843	846	894	901	935	947	976	976	976	973	971	974	974	972	975	974	976	973	977	975	972	973	972	972	972	974	972	975	975	973	975		
JMJG	U005	744	745	744	742	749	745	744	745	744	746	743	746	746	744	746	746	750	850	850	848	845	848	847	851	901	899	899	897	898	797	801	797	799	800	801	801	801	752	751	749	751	751	752	751	749	751	747	751	
PKLG	U003	279	278	278	279	278	278	277	278	277	278	276	278	278	277	277	277	277	277	277	277	277	277	278	277	278	277	279	279	278	279	282	285	284	286	284	282	282	282	282	282	282	279	276	276	277	278	278	277	277
PKLG	U004	274	277	275	272	273	272	270	271	271	272	272	272	273	274	272	273	273	271	272	272	269	273	268	271	276	270	273	271	276	282	286	283	282	288	282	281	277	273	274	272	269	272	274	264	274	272	274	274	280
PKLG	U006	452	447	446	446	446	446	446	449	448	446	445	446	448	450	454	453	449	445	449	450	446	448	448	446																									

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	HY01	22	22	22	22	22	22	22	0	0	0	0	0	0	0	11	11	21	21	21	21	21	21	21	21	21	21	21	21	11	11	11	11	11	11	11	11	11	11	11	11	0							
BSIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	11	11	11	11	11	11	11	11	11	11	11	11							
BSIA	HY03	22	22	22	22	22	22	22	0	0	0	0	0	0	0	11	11	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	22	22	11	12	11	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	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	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	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7								
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	117	62	62	62	100	100	100	100	62	99	99	100	100	100	100	99	99	99	62	62	62	62	117	117	117	118	116	117	117	63					
HTRG	HY02	62	63	62	62	62	63	63	63	63	62	63	63	63	63	116	62	62	118	116	116	115	116	63	116	116	116	116	117	116	116	116	118	117	99	118	115	115	115	115	115	114	115	115	63				
HTRG	HY03	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	7	7	7	7	7	7	7	7	7	7	7	7	7							
KNRG	HY01	37	37	23	23	23	23	23	23	23	23	23	23	23	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36						
KNRG	HY02	37	37	22	23	23	23	23	23	23	23	23	23	24	23	23	23	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37						
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99						
KNYR	HY02	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103					
KNYR	HY03	101	101	101	100	99	99	98	98	98	98	99	99	100	100	101	101	101	101	101	100	99	99	98	98	98	99	100	100	101	101	101	100	99	99	98	98	97	97	97	98	98	99	100	100	101			
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101				
LPJA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15						
LPJA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15						
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	20	20	19	19	22	22	22	22	22	22	22	22	22	22	84	22	22	23	23	23	23	23	22	23	23	23	23	23	23	23	23	23	23	22	23	22	22	22	23	22	22	22	22					
PGAU	HY02	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-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	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0						
PGAU	HY04	20	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY01	50	50	50	50	50	49	50	0	0	0	0	0	0	0	0	0	0	0	0	0	51	50	51	51	31	31	31	31	50	51	50	51	50	50	0	0	50	50	50	50	50	50	50	49				
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	25	25	25	25	25	0	0	0	0	8	17	17	17	17	17	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	0	0	25	25	25	25	25	0	0	0	0	17	17	17	17	17	17	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	25	25	25	25	25	0	0	0	0	16	17	17	17	17	17	0	0	0	0			
TMGR	HY01	78	78	40	44	42	42	47	43	42	42	42	74	42	43	44	81	41	42	76	74	50	42	46	39	43	42	41	56	43	43	79	74	45	41	43	43	44	42	42	41	77	47	43	79	43	80		
TMGR	HY02	83	83	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	82	82	82	82	82	83	83	82	34	35	35	35	36	36	34	36	36	36	36	33	37	36	36	36	35	0	-1				
TMGR	HY03	78	78	79	0	0	0	0	0	0	0	0	0	0	0	0	78	78	78	78	77	77	77	77	78	78	30	32	32	32	32	32	30	32	32	32	32	32	32	32	32	32	32	32	79	1			
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	78	78	78	78	78	78	78	78	78	78	78	30	32	33	33	32	33	32	30	32	32	32	33	33	32	31	32	32	33	32	-1	-1	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	-1	-1	93	93	83	-1	-1	-1	-1	88	83	92	92	90	88	-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	-1	-1	-1	-1	90	94	93	96	94	88	-1	-1	-1	89	90	86	93	94	92	-1	-1	-1	
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																				

Daily MW Generation on Tuesday

		0000		0100		0200		0300		0400		0500		0600		0700		0800		0900		1000		1100		1200		1300		1400		1500		1600		1700		1800		1900		2000		2100		2200		2300				
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	12	12	12	12	12	12	12	9	38	18	8	14	8	1	4	6	12	18	6	0	0	0	0	0	0	0	0	0	0	0	0	0	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	14	28	29	23	31	45	38	34	36	38	18	22	17	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	20	17	21	29	15	21	15	20	21	18	18	9	3	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	15	25	30	31	31	31	25	20	31	31	25	16	10	1	3	3	4	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	16	25	39	62	56	45	59	88	68	36	42	43	64	47	46	4	4	0	0	0	0	0	0	0	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	0	0	4	8	14	17	18	33	35	29	26	51	23	24	19	27	25	19	4	1	4	1	1	1	1	1	1	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	0	1	3	6	9	13	18	22	11	22	29	9	15	28	12	22	22	9	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12	22	24	36	34	44	15	79	33	44	57	60	23	9	7	4	17	23	18	7	5	1	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	0	1	4	8	10	12	10	23	3	8	1	1	5	30	6	3	2	0	5	8	6	2	1	0	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	0	3	14	23	18	35	28	31	51	43	41	25	25	24	33	30	18	36	41	25	11	11	2	1	0	0	0	0	0	0	0	0	0	0	0		
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	56	29	43	91	82	81	64	89	75	53	45	54	63	83	94	90	94	66	38	50	4	1	0	0	0	0	0	0	0	0	0	0	0	0	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	33	75	64	96	95																													