

## Daily System Generation Summary on Sunday

Sunday, October 09, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,915 MW
Hydro	2,397 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,312 MW</b>
<b>Total IPP</b>	<b>13,911 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,787 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	46,329	15.12 %
Hydro	4,785	1.56 %
<b>Total TNB</b>	<b>51,114</b>	<b>16.69 %</b>
ST-Coal	192,314	62.78 %
Gas	63,126	20.61 %
<b>Total IPP</b>	<b>255,440</b>	<b>83.38 %</b>
Co-Gen	432	0.14 %
<b>Total Co-Gen</b>	<b>432</b>	<b>0.14 %</b>
<b>Total Generation</b>	<b>306,986</b>	<b>100.21 %</b>
PLTG	-78	-0.03 %
HVDC	722	0.24 %
<b>Interconnection</b>	<b>644</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>306,342</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	16,227 MW
TNB Generation	2,474 MW
IPP Generation	11,876 MW
Spinning Reserve	1,861 MW
Maximum Demand	14,346 MW
Net Energy	306,342 MWH
Load Factor	88.97 %

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	662
Hydro	166
Syncon	1,342
Thermal	198
<b>Total</b>	<b>2,368</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

### 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	13601	13196	12739	12321	11982	11784	11667	11312	10880	11591	12231	12809	12880	12807	13023	13165	13012	12688	12409	13418	14147	14237	14105	13782

### Gas Usage

Station	(mmscfd)
PAKA	143
PGPS	5
TJGS	204
<b>Total TNB</b>	<b>352</b>

KLPP	78
NPRI	137
PGLA	51
PLPS	62
SGRI	147
<b>Total IPP</b>	<b>475</b>
<b>Total Gas</b>	<b>827</b>

**Total Gas Required 827**

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### 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
JMAH	U001	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693
JMAH	U002	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
JMJC	U001	574	576	576	573	576	575	574	570	577	573	549	562	571	576	540	570	558	578	574	579	577	578	578	575
JMJC	U002	576	579	575	576	577	575	568	574	574	576	577	575	575	576	579	577	573	575	579	573	574	574	574	576
JMJC	U003	563	568	570	562	565	575	566	563	570	565	568	568	566	566	564	560	567	564	567	563	574	568	563	563
JMJC	U004	772	773	771	772	772	772	768	766	768	767	767	765	767	767	767	765	767	766	767	766	769	768	805	806
PKLC	U004	281	279	281	283	279	283	282	284	278	280	280	282	280	282	208	150	166	256	281	281	281	281	281	281
PKLC	U005	468	467	467	466	401	364	370	364	364	363	363	363	364	364	400	437	468	464	464	464	468	471	464	
PKLC	U006	468	468	471	468	468	472	468	469	476	476	473	473	476	476	471	471	467	471	471	467	470	471	468	
TBIN	U001	688	687	689	684	689	688	689	689	687	689	687	688	689	687	683	600	600	597	599	691	689	689	687	686
TBIN	U002	691	691	692	691	692	690	690	690	691	692	691	691	693	692	689	605	605	602	603	601	692	690	690	693
TBIN	U003	693	691	692	692	692	691	692	693	691	691	692	691	692	692	691	692	692	692	692	692	692	692	691	691
TBIN	U004	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902
Total ST-Coal		8060	8065	7979	7962	7997	7971	7953	7948	7963	7959	7935	7944	7960	7962	7912	7568	7530	7587	7677	7866	8033	8057	8055	8049
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
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
KLPP	CT13	139	139	139	139	102	101	102	102	99	98	95	91	70	69	60	69	63	70	74	70	71	104	103	
KLPP	CT14	59	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	CT15	142	155	155	153	113	114	114	114	116	111	107	107	79	79	71	79	70	81	85	81	81	113	113	
KLPP	ST17	203	184	139	137	117	120	115	119	119	115	111	94	94	90	86	94	94	95	90	118	119	117	119	
NPRI	BLK1	444	446	436	435	437	438	439	443	436	427	413	407	302	310	266	296	308	314	316	482	529	473	461	
NPRI	BLK2	446	448	438	437	438	438	441	446	438	429	416	410	301	308	266	303	305	312	313	314	314	502	508	
PAKA	CT1A	66	65	65	65	66	65	65	66	66	66	64	65	66	65	67	67	72	71	70	72	71	72	71	
PAKA	CT1B	64	64	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	ST1C	67	66	29	30	30	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
PAKA	GT2A	90	90	90	89	90	65	65	65	65	63	62	63	63	62	64	63	63	63	63	63	64	64	64	
PAKA	GT2B	92	91	92	92	92	63	64	65	65	65	63	63	65	63	65	65	64	64	65	63	64	63	64	
PAKA	ST2C	89	89	89	89	89	75	75	75	75	74	75	74	74	75	74	74	75	76	76	76	76	77	77	
PAKA	GT3A	90	90	90	90	64	64	64	64	65	64	64	65	64	65	64	65	64	63	64	63	64	65	64	
PAKA	CT3B	90	90	91	90	90	63	64	64	64	63	64	64	63	63	64	64	63	63	63	63	63	63	63	
PAKA	ST3C	91	91	91	91	74	74	75	75	74	75	75	74	75	74	75	74	75	76	76	76	76	77	76	
PAKA	CT4A	95	95	95	94	95	95	95	95	95	93	93	95	95	92	95	94	94	93	94	93	93	93	93	
PAKA	CT4B	83	82	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	ST4C	91	91	52	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
PGLA	GT12	152	196	213	157	159	158	164	156	157	153	148	145	157	165	148	158	150	150	176	180	215	215		
PGLA	ST10	96	97	101	90	90	90	92	90	90	88	88	87	92	104	90	89	88	98	93	98	113	106		
PGPS	CT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	CT12	132	132	130	130	116	116	119	65	60	58	65	65	62	64	53	67	63	70	70	68	116	119		
PLPS	CT13	120	123	117	119	105	106	109	106	63	57	54	54	61	63	53	60	56	63	67	63	63	94	107	
PLPS	ST18	136	137	139	138	131	132	132	115	91	84	84	86	90	90	85	89	84	93	94	93	93	119	132	
SGRI	CT11	138	135	122	111	111	109	66	65	65	66	63	64	64	64	66	66	65	65	65	117	139	139	135	
SGRI	CT12	147	148	127	111	111	72	71	72	70	68	72	72	71	71	70	69	69	70	70	132	147	147	148	
SGRI	CT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	ST14	161	151	148	129	129	132	96	99	98	98	102	97	97	96	98	96	96	97	99	97	98	99	99	
SGRI	CT21	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	CT22	139	134	116	116	116	114	115	69	69	70	70	70	70	70	69	69	70	70	70	70	70	109	109	



**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																								
S.Reserve Total		2400	2248	2429	2502	2542	2791	2943	3145	3269	3348	3431	3447	3575	3546	3850	4118	4244	3704	3563	3243	3885	1719	2430	2248	2651	2738	2768	2609	2576	2536	2454	2544	2651	2673	2835	3260	3414	3402	2715	2004	1886	1874	1932	1861	2103	2252	2249	2019