

Daily System Generation Summary on Tuesday

Tuesday, August 15, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,163 MW
Distillate	0 MW
Total TNB	2,163 MW
Total IPP	17,905 MW
Total Co-Gen	0 MW
Total System	24,070 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,383	3.54 %
Gas	56,323	14.88 %
Total TNB	69,706	18.42 %
ST-Coal	226,981	59.97 %
LSS	6,069	1.60 %
Gas	74,269	19.62 %
Total IPP	307,319	81.20 %
Co-Gen	501	0.13 %
Total Co-Gen	501	0.13 %
Total Generation	377,526	99.75 %
PLTG	-241	-0.06 %
EGAT	5	0.00 %
HVDC	-698	-0.18 %
Interconnection	-934	-0.25 %
Net Energy	378,460	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,222 MW
TNB Generation	3,703 MW
IPP Generation	14,235 MW
Spinning Reserve	1,277 MW
Maximum Demand	17,978 MW
Net Energy	378,460 MWH
Load Factor	87.71 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	393
Hydro	336
Syncon	646
Thermal	329
Total	1,704

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	56
TJGS	110
Total TNB	166
CBPS	5
EMPP	243
NPRI	136
PCGP	89
SPGP	210
Total IPP	683
Total Gas	849
Total Gas Required	849

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	14900	14148	13710	13315	13055	12956	13382	13608	13929	15484	16307	16640	16564	16257	17090	17650	17910	17758	16659	16539	17846	17822	17258	16967

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 24, 2023 8:27:12 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	404	354	300	305	302	304	306	212	217	215	216	215	217	215	298	305	306	404	403	404	430	505	504	504	506	462	407	404	510	607	695	697	697	697	695	696	695	696	695	697	698	695	697	694	705	694	697	696	696
JMAH	U002	402	353	304	305	303	304	303	213	215	214	214	215	213	212	309	303	306	411	405	403	438	504	504	504	504	461	404	403	509	607	692	697	697	693	696	694	694	695	695	696	696	695	697	695	694	693	696	694	694
JMHE	U001	945	918	897	900	896	746	752	747	749	749	750	751	755	748	748	750	855	961	975	977	974	976	974	974	974	972	974	970	978	976	973	978	973	971	976	974	971	971	974	979	972	974	973	975	975	973	973		
JMHE	U002	949	912	898	900	897	749	748	746	748	750	750	750	749	748	747	749	874	973	979	977	980	978	977	977	977	975	975	974	978	976	976	979	977	973	977	977	977	975	970	972	971	974	971	973	978	975	975	974	
JMJG	U001	672	682	662	654	678	671	674	671	670	670	670	670	672	672	675	673	680	675	673	670	673	670	672	676	668	677	672	677	669	668	680	676	677	677	666	660	670	673	671	673	672	668	668	624	640	618	598		
JMJG	U002	679	677	675	678	677	661	674	676	672	672	672	672	678	673	678	676	664	673	681	673	678	674	677	673	673	673	675	678	678	669	684	677	669	677	676	671	676	677	675	673	672	677	677	674	679	617	598		
JMJG	U003	669	670	662	667	663	668	672	662	666	666	666	666	662	667	666	662	668	667	666	669	656	672	671	666	662	645	679	657	679	662	672	658	666	666	666	664	671	627	590	609	677	674	671	671	678	667	618	605	
JMJG	U004	960	948	906	906	903	906	902	906	906	906	906	906	907	903	904	905	957	983	977	980	977	981	981	980	985	980	980	985	979	983	983	981	980	981	985	983	979	982	983	980	983	985	976	980	977	982	982		
PKLG	U003	156	156	155	155	155	153	155	155	155	153	155	156	155	153	149	150	151	150	150	149	150	150	152	150	151	206	266	277	276	277	277	277	277	276	277	276	277	275	277	275	276	275	274	275	276				
PKLG	U004	148	151	149	148	150	147	147	146	147	148	149	148	148	151	150	148	147	147	149	148	148	149	149	148	149	147	148	149	208	259	277	280	277	272	276	276	276	275	276	277	269	270	277	275	275	278	278	276	
PKLG	U005	258	248	245	247	247	253	245	245	245	245	248	249	258	256	246	245	245	245	245	245	245	245	245	255	264	263	264	248	284	329	292	286	302	300	297	296	380	400	465	465	465	465	465	465	465	465			
TBIN	U001	685	685	692	690	689	688	690	689	690	688	690	689	689	692	689	690	686	691	689	691	689	691	689	689	635	600	601	633	690	689	691	687	690	689	687	689	692	690	691	690	691	690	689	689	690	688	689	687	
TBIN	U002	675	687	694	691	691	692	691	693	692	692	691	691	691	692	692	688	691	689	691	691	689	691	692	690	658	600	601	621	691	691	690	691	690	690	690	691	690	687	692	690	692	690	692	693	691	690	690		
TBIN	U003	684	688	687	688	689	687	686	688	686	686	691	686	688	689	687	688	688	681	688	687	689	687	687	686	609	596	598	625	690	685	685	686	685	686	686	686	682	685	687	687	686	688	686	684	684	686	687		
TBIN	U004	952	944	904	903	902	853	855	855	855	854	854	853	854	852	855	853	853	936	981	985	983	984	980	980	983	983	983	982	983	983	984	982	984	983	983	981	983	983	983	979	984	987	982	981	984	983	982	983	
Total ST-Coal		9238	9073	8830	8837	8842	8482	8500	8304	8313	8308	8319	8316	8322	8329	8495	8493	8722	9252	9355	9352	9409	9544	9547	9550	9308	9088	9075	9394	9883	10201	10258	10264	10222	10225	10243	10226	10221	10266	10260	10348	10397	10410	10396	10400	10362	10369	10238	10184	
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	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	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	34	57	160	248	247	248	249	250	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EMPP	BLK1	680	699	692	415	408	410	409	408	410	409	410	413	574	412	447	487	614	697	691	711	650	650	681	684	701	649	697	703	691	709	718	710	708	696	595	623	667	711	726	709	711	702	710	716	711	710	678		
EMPP	BLK2	699	710	707	706	462	538	408	409	491	409	421	439	566	706	686	482	490	617	696	691	711	650	651	682	685	695	649	693	709	691	709	719	710	708	695	697	698	668	709	725	710	705	702	710	715	710	709	681	
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	86	177	122	154	155	157	202	374	451	600	733	746	746	746	743	744	746	269	0	194	193	373	374	399	399	449	501	500	550	600	650	733	744	741	743	745	676	
GLGR	GT01	85	84	84	86	83	85	83	84	85	85	86	85	86	86	85	85	86	106	113	112	112	112	111	110	110	110	110	107	106	107	106	107	106	106	106	106	70	66	66	67	110	108	107	78	66	66	67	66	
GLGR	GT02	85	85	84	84	84	85	84	85	85	85	84	84	85	84	84	84	107	114	115	113	113	112	111	112	111	111	106	107	106	106	106	106	106	106	106	68	66	66	65	108	107	107	76	65	66	66	66		
GLGR	ST1C	83	83	83	83	84	83	84	83	83	83	84	83	84	83	84	83	96	99	102	103	103	102	102	102	102	102	97	97	97	96	97	97	97	97	97	97	78	71	71	71	95	96	96	83	73	75	71	70	
NPRI	BLK1	513	446	315	322	316	323	316	318	322	318	322	323	328	325	319	321	322	322	325	512	516	448	448	448	439	443	401	511	515	513	517	524	516	518	512	512	445	309	313	526	526	527	528	528	527	529	530	385	
NPRI	BLK2	512	304	309	317	311	317	308	310	317	312	316	319	322	317	315	317	317	320	512	514	445	446	446	436	440	395	508	514	512	515	523	514	517	511	509	502	323	428	529	503	515	484	430	465	524	526	508		
PCGP	PGRG	577	599	588	601	591	602	590	593	600	594	550	601	611	605	603	605	602	606	592	605	599	603	601	585	591	604	589	602	595	603	618	602	603	592	594	594	596	606	626	602	602	599	597	612	601	602	573		
SPGP	BLK1	723	720	721	719	720	717	719	715	715	717	714	716	717	714	718	719	717	718	717	720	716	717	716	713	709	725	705	700	697	696	697	698	697	700	700	714	718	717	715	716	717	717	715	716	720	719	721		
SPGP	BLK2	720	722	722	722	722	725	727	727	725	727	724	724	724	725	725	724	723	720	721	720	720	721	720	721	721	720	713	715	716	716	716	716	716	716	718	720	722	722	721	719	720	721	721	722	720	722	721	722	
TJGS	GT1A	122	127	130	129	129	132	132	129	132	132	130	131	132	132	131	129	129	129	128	132	132	133	128	131	126	128	128	128	127	226	218	217	217	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																								
KNYR	HY02	97	98	98	98	98	98	98	98	98	98	97	97	97	97	96	97	97	97	97	95	97	96	96	94	96	95	96	93																				
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	0	0																				
KNYR	HY04	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	101	101	100	97	98	101	98	100	103	103	103	100	98	101	96	100	104	102	101	101	98	101	100	101	96											
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23													
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														
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1													
PGAU	HY02	-1	-1	-1	-1	-1	19	-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														
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	21	0	0	0	0	0	22	21	0	0	0	0	0													
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	0	0	0	0	0	31	31	31	31	31	16	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	0	0	0	0	31	31	31	31	31	22	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	0	0	0	0	0	31	31	31	31	31	28	0	0											
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	33	33	33	33	33	34	42	33	33	33	33	-1	-1	-1												
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	87	0	0	0	0	0	0	87	87	0	0	0	0	0	0												
TMGR	HY04	39	42	43	41	41	40	41	56	69	44	81	81	66	84	64	46	41	46	43	41	52	42	42	53	39	43	84	46	41	42	83	84	41	80	41	41	41	41	69	84	42	41	43	43	84	43	42	38
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	87	93	94	183	183	87	-1	-1	-1	-1	96	92	90	89	89	-1	-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	89	-1	96	94	94	91	-1	-1	-1	-1	99	94	93	91	-1	-1	-1	-1	-1									
UPIA	HY01	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											
Total Hydro		421	328	329	328	328	347	328	343	356	331	368	319	403	424	402	383	517	521	518	514	526	512	514	527	508	513	556	519	681	783	692	803	838	949	892	571	555	545	604	803	957	943	833	736	693	609	525	512
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	5	9	12	18	18	23	23	23	18	21	23	27	25	25	17	13	11	12	10	7	4	2	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	4	4	8	8	9	10	13	10	27	38	8	10	20	12	12	11	13	5	3	1	0	0	0	0	0	0	0	0	0	0	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	2	6	18	19	30	23	18	34	33	19	22	18	18	17	16	16	9	7	4	0	0	0	0	0	0	0	0	0	0	0	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	16	22	25	21	19	32	17	38	37	40	40	45	31	29	14	31	18	11	9	4	1	0	0	0	0	0	0	0	0	0		
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	7	9	11	25	31	20	32	37	30	42	34	23	20	36	13	14	7	4	2	2	0	0	0	0	0	0	0	0	0		
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	7	14	15	19	27	22	17	11	14	23	21	24	8	6	2	0	1	3	2	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	2	2	1	1	5	15	33	43	46	34	15	49	10	32	24	21	31	19	17	19	10	3	2	0	0	0	0	0	0	0	0	0		
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	4	6	8	17	19	30	25	29	30	28	12	19	19	17	22	15	12	7	4	2	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	2	3	9	20	24	12	37	22	27	46	47	32	31	25	34	45	23	37	19	25	10	6	3	0	0	0	0	0	0	0	0	0		
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	18	29	8	18	45	65	77	65	67	92	63	64	66	32	48	46	58	38	30	40	11	4	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	3	5	8	4	7	20	38	29	44	44	44	47	23	29	43	29	21	18	16	15	11	7	2	0	0	0	0	0	0	0	0	0	0	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	1	6	17	19	18	24	27	30	29	29	24	12	15	18	17	12	14	8	5	2	0	0	0	0	0	0	0	0	0	0	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	11	26	38	83	96	100	100	100	100	49	54	67	52	69	44	24	19	22	15	6	0	0	0	0	0	0	0	0	0	0	0	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	9	13	19	16	30	30	27	30	21	17	22	18	26	24	17	18	7	6	5	3	0	0	0	0	0	0	0	0	0	0	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	7	10	15	17	13	13	29	24	29	24	25	29	15	15	6	8	10	6	2	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	3	6	13	14	16	34	25	21	32	26	32	18	10	18	24	31	37	25	13	9	6	3	1	0	0	0	0	0	0	0	0	0	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	29	28	36	50	42	65	77	55	56	43	27	39	48	45	93	63	24	14	11	7	2	0	0	0	0	0	0	0	0	0	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	27	37	47	52	62	93	66	105	78	105	92	103	35	71	76	50	54	70	38	12	7	2	0	0	0	0	0	0	0	0	0	0	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	12	17	22	28	43	46	38	49	50	50	31	25	24	33																		

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	
PFTZ	PFTZ	5	4	4	4	5	4	4	4	4	4	4	4	4	4	5	4	4	4	5	5	5	5	5	5	5	5	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4
Total Co-Gen		32	30	30	26	23	28	28	27	33	38	42	42	43	34	35	31	33	26	24	17	20	20	21	19	8	8	5	-1	2	-1	-2	-2	8	7	6	14	18	8	13	13	15	19	27	24	29	26	28	29
Total Gen		14859	14402	14119	13958	13684	13457	13299	13120	13025	12881	12906	13013	13346	13593	13578	13398	13875	14881	15430	15901	16240	16452	16606	16748	16526	16302	16192	16778	17039	17443	17614	17762	17888	17945	17744	17184	16641	16301	16487	17432	17794	17860	17779	17583	17196	17132	16918	16510
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		-28	-30	-28	-28	-30	-31	-29	-30	-31	-31	-31	-28	-29	-28	-29	-31	-28	-29	-28	-30	-29	-29	-29	-28	-29	-30	-27	-29	-29	-29	-29	-31	-29	-28	-28	-30	-31	-30	-30	-28	-29	-30	-28	-29	-29	-29	-29	
TIE-PLTG		-13	-7	-1	-12	4	-15	12	1	1	-9	-20	-3	-8	-10	-1	-13	-26	25	-27	-8	-38	-8	-6	4	-10	-17	-38	23	-23	-24	-7	-17	9	-4	14	17	12	-17	-23	-25	-24	-18	-13	-25	-34	-47	-20	7
Interconnection		-41	-36	-29	-40	-26	-46	-16	-28	-30	-39	-50	-31	-36	-38	-30	-43	-54	-4	-54	-38	-67	-36	-34	-24	-38	-47	-65	-6	-51	-52	-36	-46	-22	-33	-14	-11	-18	-47	-52	-55	-52	-46	-43	-52	-62	-76	-49	-21
System Total		14900	14438	14148	13998	13710	13503	13315	13148	13055	12920	12956	13044	13382	13631	13608	13441	13929	14885	15484	15939	16307	16488	16640	16772	16564	16349	16257	16784	17090	17495	17650	17808	17910	17978	17758	17195	16659	16348	16539	17487	17846	17906	17822	17635	17258	17208	16967	16531
SRev ST-Coal		552	615	741	745	726	747	726	729	739	741	735	740	741	732	739	732	736	529	422	423	427	436	429	427	573	615	628	597	417	281	269	226	262	275	255	269	274	312	248	184	225	212	226	222	260	253	174	168
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		557	754	855	1108	1384	1275	1432	1429	1352	1421	1448	1389	1267	1019	1179	1343	1291	1114	756	439	483	615	602	544	584	526	717	422	610	211	348	332	172	166	208	301	790	1105	901	285	148	135	200	297	628	592	593	935
SRev 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	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		1	0	0	0	1	0	0	0	0	0	0	0	-2	-1	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	-1	0	0	0	2	0	0	0	0	0	1	2	0	0	-1	0	
Syncon		890	991	991	991	991	840	991	991	991	991	991	941	991	991	991	991	802	890	740	890	890	890	890	890	890	890	890	890	703	516	703	365	516	428	428	802	803	803	651	428	428	428	428	615	802	739	890	890
Hydro		112	104	103	104	104	236	104	89	76	101	64	288	154	133	155	174	142	137	140	144	132	146	144	131	150	145	102	139	251	336	240	467	281	321	465	323	188	198	291	315	548	562	435	345	201	348	131	144
S.Reserve Total		2199	2551	2777	3035	3293	3185	3340	3325	3245	3341	3450	3445	3238	2961	3151	3327	3145	2757	2145	1983	2019	2174	2152	2079	2134	2262	2424	2135	1981	1345	1560	1389	1231	1277	1356	1784	2142	2505	2178	1299	1349	1337	1377	1568	1978	2019	1874	2224