To the Public Utility Commission of Texas

ERCOT Wholesale Electricity Market Monthly Report

Monday, July 14, 2014

Potomac Economics, Ltd.
Independent Market Monitor

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ERCOT-Wide Average Energy Prices DA vs RT

(avg. DA & RT SPPs weighted by Real Time Settlement Loads)

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Load Zone Load Statistics

(Nodal load zone made comparable to zonal sytem Load Zone definitions*)

Houston Zone

North Zone

South Zone

West Zone

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Note: * Zonal load zone definition vs. Nodal comparable load zone definition: LZ_Houston=LZ_Houston; LZ_West=LZ_West; LZ_North=(LZ_North,LZ_RAYBN); LZ_South=(LZ_South,LZ_CPS,LZ_AEN,LZ_LCRA)

Load Zone Monthly Average Energy Price DA vs RT

(avg. DA & RT SPPs weighted by Real Time Settlement Loads)
(Nodal load zone made comparable to zonal sytem Load Zone definitions*)

Houston Zone

North Zone

South Zone

West Zone

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Note: * Zonal load zone definition vs. Nodal comparable load zone definition: LZ_Houston=LZ_Houston; LZ_West=LZ_West; LZ_North=(LZ_North,LZ_RAYBN); LZ_South=(LZ_South,LZ_CPS,LZ_AEN,LZ_LCRA)

ERCOT-Wide Monthly Implied Heat Rate DA vs RT

(avg. heat rates weighted by Real Time Settlement Loads)

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Load Zone Monthly Implied Heat Rate DA vs RT

(avg. heat rates weighted by Real Time Settlement Loads)
(Nodal load zone made comparable to zonal sytem Load Zone definitions*)

Houston Zone

North Zone

South Zone

West Zone

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Note: * Zonal load zone definition vs. Nodal comparable load zone definition: LZ_Houston=LZ_Houston; LZ_West=LZ_West; LZ_North=(LZ_North,LZ_RAYBN); LZ_South=(LZ_South,LZ_CPS,LZ_AEN,LZ_LCRA)

Monthly Average of Ancillary Services Required MW

Regulation Up

Regulation Down

Responsive Reserve

Non-Spin Reserve

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Hourly Average of Ancillary Services Required MW

Regulation Up

Regulation Down

Responsive Reserve

Non-Spin Reserve

Home << previous << next >>

Monthly Average Ancillary Services Price

(weighted by A/S Quantities Required)

Regulation Up

Regulation Down

Responsive Reserve

Non-Spin Reserve

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Monthly Average A/S Cost per MWh Load

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ERCOT-Wide Cumulative Peaker Net Margin

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DA vs. RT Load Forecast Error by Hour Ending

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Monthly Average of Wind Generation by Hour Ending

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RT Congestion Constraint Rankings - 1

Top 10 Constraints by Total Congestion Rent

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RT Congestion Constraint Rankings - 2

Top 10 Constraints by Binding Frequency

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DA Congestion Constraint Rankings - 1

Top 10 Constraints by Total Congestion Rent

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DA Congestion Constraint Rankings - 2

Top 10 Constraints by Binding Frequency

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Top 10 CRR Pairs Ranked by Monthly Auction Values - 1

Top 10 PTP Obligations by Total Transaction Value

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Top 10 CRR Pairs Ranked by Monthly Auction Values - 2

Top 10 PTP Options by Total Transaction Value

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year	month	dam_spp	rtm_spp
2013	1	27.01	25.57
2013	2	25.70	24.80
2013	3	31.88	31.24
2013	4	35.88	37.75
2013	5	37.33	31.50
2013	6	40.59	34.00
2013	7	36.54	34.64
2013	8	40.88	34.95
2013	9	37.88	42.19
2013	10	34.57	38.47
2013	11	31.82	31.44
2013	12	36.93	33.83
2014	1	39.50	49.04
2014	2	58.39	53.46
2014	3	58.07	59.59
2014	4	44.25	43.45
2014	5	39.83	39.12
2014	6	42.61	37.31

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year	month	loadPEAK_Houston	loadPEAK_North	loadPEAK_South	loadPEAK_West	loadAVG_Houston	loadAVG_North	loadAVG_South	loadAVG_West
2013	1	12,085	21,117	14,994	3,706	8,740	13,629	9,247	2,849
2013	2	10,120	17,682	10,935	3,377	8,145	12,519	8,163	2,707
2013	3	12,452	18,293	12,467	3,355	8,441	11,859	8,350	2,647
2013	4	12,311	17,964	13,100	3,568	8,857	12,002	8,852	2,717
2013	5	15,564	21,127	15,548	4,164	10,292	13,411	10,178	2,977
2013	6	17,197	25,736	17,966	4,424	12,384	16,891	12,174	3,291
2013	7	17,179	26,101	17,412	4,376	12,254	17,280	12,323	3,306
2013	8	17,850	27,237	18,233	4,454	12,684	18,702	12,996	3,513
2013	9	17,296	25,601	17,055	4,325	11,938	16,648	11,548	3,239
2013	10	15,279	21,254	15,350	3,919	9,772	12,456	9,612	2,872
2013	11	11,830	18,774	13,442	3,825	8,819	12,696	9,216	2,942
2013	12	12,007	22,670	15,607	4,041	9,252	15,090	10,171	3,253
2014	1	13,651	24,123	17,347	4,213	9,352	14,908	10,233	3,289
2014	2	12,688	24,492	16,767	4,359	9,197	14,591	9,927	3,282
2014	3	12,600	23,485	15,032	4,246	8,751	12,603	8,781	3,104
2014	4	14,100	16,944	14,712	3,755	8,996	12,034	9,163	3,077
2014	5	14,469	19,528	15,114	4,321	10,089	13,344	10,047	3,268
2014	6	16,857	22,921	16,827	4,745	12,214	16,139	12,172	3,625

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year	month	avgRTMp_Houston	avgRTMp_North	avgRTMp_South	avgRTMp_West	avgDAMp_Houston	avgDAMp_North	avgDAMp_South	avgDAMp_West
2013	1	$25.42	$25.86	$25.84	$23.76	$26.65	$27.08	$26.90	$28.17
2013	2	$24.65	$25.18	$24.68	$23.92	$25.48	$26.02	$25.63	$25.17
2013	3	$30.76	$31.19	$30.92	$33.96	$31.46	$32.23	$31.73	$32.15
2013	4	$36.30	$39.25	$36.45	$40.11	$34.97	$36.03	$35.40	$39.78
2013	5	$30.93	$29.18	$32.29	$41.29	$36.02	$35.00	$36.98	$53.56
2013	6	$34.06	$32.00	$34.90	$40.69	$40.41	$38.49	$41.48	$48.68
2013	7	$33.61	$33.46	$35.80	$40.28	$36.01	$35.54	$36.98	$42.12
2013	8	$33.89	$34.08	$34.14	$46.45	$39.48	$39.71	$40.12	$55.05
2013	9	$45.69	$38.54	$42.01	$48.71	$37.77	$36.03	$37.28	$49.99
2013	10	$38.26	$36.79	$38.46	$46.54	$37.16	$31.23	$34.75	$39.59
2013	11	$31.05	$31.61	$31.60	$31.40	$31.57	$31.59	$32.45	$31.64
2013	12	$33.25	$33.77	$34.59	$33.36	$36.22	$37.03	$37.55	$36.59
2014	1	$44.80	$50.43	$51.86	$46.04	$37.96	$39.34	$41.58	$38.18
2014	2	$48.36	$53.21	$59.04	$51.96	$54.36	$58.38	$62.60	$57.01
2014	3	$53.09	$61.80	$63.63	$57.55	$55.18	$59.30	$60.04	$55.66
2014	4	$47.31	$39.44	$41.30	$54.23	$43.01	$42.08	$42.87	$60.46
2014	5	$38.48	$38.89	$38.33	$44.50	$40.61	$37.85	$39.98	$45.09
2014	6	$38.02	$36.61	$37.24	$38.29	$42.86	$41.69	$42.62	$45.84

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year	month	gasprice	rtm_spp	HR_rtm	dam_spp	HR_dam
2013	1	$3.28	$25.57	7.79	$27.01	8.23
2013	2	$3.24	$24.80	7.65	$25.70	7.93
2013	3	$3.76	$31.24	8.31	$31.88	8.48
2013	4	$4.14	$37.75	9.12	$35.88	8.67
2013	5	$4.06	$31.50	7.76	$37.33	9.20
2013	6	$3.81	$34.00	8.93	$40.59	10.66
2013	7	$3.60	$34.64	9.61	$36.54	10.14
2013	8	$3.40	$34.95	10.28	$40.88	12.02
2013	9	$3.63	$42.19	11.64	$37.88	10.45
2013	10	$3.63	$38.47	10.59	$34.57	9.52
2013	11	$3.56	$31.44	8.84	$31.82	8.95
2013	12	$4.21	$33.83	8.03	$36.93	8.77
2014	1	$4.52	$49.04	10.84	$39.50	8.73
2014	2	$6.07	$53.46	8.81	$58.39	9.62
2014	3	$4.75	$59.59	12.53	$58.07	12.21
2014	4	$4.58	$43.45	9.49	$44.25	9.67
2014	5	$4.45	$39.12	8.78	$39.83	8.94
2014	6	$4.61	$37.31	8.10	$42.61	9.25

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year	month	HRdam_Houston	HRdam_South	HRdam_North	HRdam_West	HRrtm_Houston	HRrtm_South	HRrtm_North	HRrtm_West
2013	1	8.12	8.20	8.25	8.58	7.74	7.87	7.88	7.24
2013	2	7.86	7.90	8.02	7.76	7.60	7.61	7.77	7.38
2013	3	8.37	8.44	8.57	8.55	8.18	8.22	8.30	9.03
2013	4	8.45	8.55	8.71	9.61	8.77	8.81	9.48	9.69
2013	5	8.88	9.11	8.63	13.20	7.62	7.96	7.19	10.17
2013	6	10.62	10.90	10.11	12.79	8.95	9.17	8.40	10.69
2013	7	9.99	10.26	9.86	11.69	9.33	9.93	9.28	11.17
2013	8	11.61	11.80	11.68	16.19	9.97	10.04	10.02	13.66
2013	9	10.41	10.28	9.94	13.79	12.60	11.58	10.63	13.43
2013	10	10.23	9.57	8.60	10.90	10.54	10.59	10.13	12.82
2013	11	8.88	9.12	8.88	8.90	8.73	8.89	8.89	8.83
2013	12	8.60	8.91	8.79	8.69	7.89	8.21	8.02	7.92
2014	1	8.39	9.19	8.70	8.44	9.91	11.47	11.15	10.18
2014	2	8.95	10.31	9.62	9.39	7.97	9.73	8.76	8.56
2014	3	11.60	12.63	12.47	11.71	11.17	13.38	13.00	12.10
2014	4	9.40	9.36	9.19	13.21	10.34	9.02	8.62	11.85
2014	5	9.12	8.97	8.50	10.12	8.64	8.60	8.73	9.99
2014	6	9.30	9.25	9.05	9.95	8.25	8.08	7.94	8.31

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year	month	ASMW_REGDN	ASMW_NSPIN	ASMW_RRS	ASMW_REGUP
2013	1	391	1,352	2,800	448
2013	2	393	1,500	2,800	460
2013	3	385	1,435	2,800	446
2013	4	419	1,500	2,800	501
2013	5	463	1,378	2,800	489
2013	6	473	1,500	2,800	525
2013	7	427	1,483	2,800	487
2013	8	421	1,329	2,800	483
2013	9	449	1,284	2,800	480
2013	10	426	1,371	2,800	462
2013	11	397	1,452	2,800	452
2013	12	391	1,500	2,800	405
2014	1	368	1,500	2,800	427
2014	2	369	1,500	2,800	446
2014	3	402	1,500	2,800	442
2014	4	396	1,497	2,800	471
2014	5	437	1,497	2,800	465
2014	6	434	1,475	2,800	469

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year	ELIVERY_HOUR	ASMW_REGDN	ASMW_NSPIN	ASMW_RRS	ASMW_REGUP
2013	1	457	1,286	2,800	576
2013	2	387	1,286	2,800	346
2013	3	367	1,394	2,800	303
2013	4	344	1,394	2,800	316
2013	5	368	1,394	2,800	378
2013	6	606	1,394	2,800	502
2013	7	459	1,416	2,800	719
2013	8	374	1,416	2,800	436
2013	9	400	1,416	2,800	478
2013	10	479	1,416	2,800	488
2013	11	456	1,467	2,800	521
2013	12	402	1,467	2,800	508
2013	13	361	1,467	2,800	452
2013	14	344	1,467	2,800	460
2013	15	328	1,496	2,800	397
2013	16	315	1,496	2,800	390
2013	17	320	1,496	2,800	428
2013	18	406	1,496	2,800	501
2013	19	447	1,478	2,800	453
2013	20	448	1,478	2,800	462
2013	21	406	1,478	2,800	429
2013	22	508	1,478	2,800	465
2013	23	568	1,286	2,800	653
2013	24	522	1,286	2,800	611
2014	1	447	1,497	2,800	500
2014	2	350	1,497	2,800	356
2014	3	333	1,500	2,800	327
2014	4	312	1,500	2,800	328
2014	5	395	1,500	2,800	393
2014	6	620	1,500	2,800	547
2014	7	502	1,500	2,800	809
2014	8	366	1,500	2,800	459
2014	9	363	1,500	2,800	450
2014	10	436	1,500	2,800	442
2014	11	401	1,495	2,800	502
2014	12	378	1,495	2,800	465
2014	13	339	1,495	2,800	431
2014	14	335	1,495	2,800	467
2014	15	337	1,500	2,800	371
2014	16	327	1,500	2,800	349
2014	17	310	1,500	2,800	361
2014	18	385	1,500	2,800	467
2014	19	404	1,477	2,800	471
2014	20	399	1,477	2,800	445
2014	21	378	1,477	2,800	401
2014	22	480	1,477	2,800	429
2014	23	536	1,497	2,800	557
2014	24	496	1,497	2,800	549

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year	month	MCPC_REGDN	MCPC_NSPIN	MCPC_RRS	MCPC_REGUP
2013	1	$4.46	$1.06	$6.18	$5.69
	2	$5.40	$5.55	$10.92	$10.79
	3	$5.94	$3.47	$7.92	$8.57
	4	$8.34	$3.73	$10.21	$10.47
	5	$9.17	$4.95	$9.66	$9.90
	6	$4.91	$4.13	$9.84	$10.34
	7	$2.98	$2.52	$7.73	$7.50
	8	$2.69	$5.68	$11.37	$10.18
	9	$2.91	$3.32	$9.83	$9.08
	10	$5.73	$4.83	$12.87	$9.51
	11	$6.35	$2.51	$11.00	$8.60
	12	$5.19	$1.80	$9.90	$8.17
2014	1	$8.15	$2.20	$12.12	$10.32
	2	$14.28	$4.28	$24.28	$45.03
	3	$20.40	$4.81	$26.05	$26.63
	4	$21.21	$5.86	$15.35	$13.80
	5	$12.45	$4.82	$10.71	$9.04
	6	$7.84	$3.59	$11.29	$9.51
	7				
	8				
	9				
	10				
	11				
	12				

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year	month	AScost_REGDN	AScost_NSPIN	AScost_RRS	AScost_REGUP
2013	1	$0.05	$0.04	$0.50	$0.07
	2	$0.07	$0.26	$0.97	$0.16
	3	$0.07	$0.16	$0.71	$0.12
	4	$0.11	$0.17	$0.88	$0.16
	5	$0.12	$0.19	$0.73	$0.13
	6	$0.05	$0.14	$0.62	$0.12
	7	$0.03	$0.08	$0.48	$0.08
	8	$0.02	$0.16	$0.66	$0.10
	9	$0.03	$0.10	$0.63	$0.10
	10	$0.07	$0.19	$1.04	$0.13
	11	$0.07	$0.11	$0.92	$0.12
	12	$0.05	$0.07	$0.73	$0.09
2014	1	$0.08	$0.09	$0.90	$0.12
	2	$0.14	$0.17	$1.84	$0.54
	3	$0.25	$0.22	$2.19	$0.35
	4	$0.25	$0.26	$1.29	$0.20
	5	$0.15	$0.20	$0.82	$0.11
	6	$0.08	$0.12	$0.72	$0.10
	7				
	8				
	9				
	10				
	11				
	12				

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year	month	pnm	pnm_accum
2013		$0.00	$0.00
2013	1	$1,260.48	$1,260.48
2013	2	$942.97	$2,203.45
2013	3	$3,085.66	$5,289.11
2013	4	$3,771.65	$9,060.76
2013	5	$1,071.87	$10,132.63
2013	6	$1,360.51	$11,493.14
2013	7	$2,105.10	$13,598.24
2013	8	$2,906.63	$16,504.87
2013	9	$5,458.77	$21,963.64
2013	10	$5,399.53	$27,363.17
2013	11	$2,987.82	$30,350.99
2013	12	$2,618.14	$32,969.13
2014		$0.00	$0.00
2014	1	$8,628.41	$8,628.41
2014	2	$4,513.33	$13,141.74
2014	3	$12,232.21	$25,373.95
2014	4	$4,024.62	$29,398.57
2014	5	$2,749.41	$32,147.98
2014	6	$803.02	$32,951.00
2014	7		
2014	8		
2014	9		
2014	10		
2014	11		
2014	12		

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year	month	HE_1_4	HE_13_16	HE_17_20	HE_21_24	HE_5_8	HE_9_12
2013	1	579	29	-141	-51	503	459
	2	310	-30	-111	-109	386	320
	3	-47	-373	214	208	-24	-326
	4	-267	-491	-83	-27	-213	-377
	5	-460	293	763	251	-664	-503
	6	-81	451	658	421	-128	129
	7	-94	606	997	460	-346	47
	8	182	-168	155	136	89	32
	9	-97	84	695	252	-268	-326
	10	-360	48	228	-187	-242	-312
	11	-335	-797	-515	-844	-453	-755
	12	-390	-567	-248	-340	-581	-461
2014	1	295	-16	-64	148	261	118
	2	-183	-520	-851	-810	163	-93
	3	-366	-107	-175	-344	-174	-97
	4	-273	-155	30	-177	-19	-67
	5	73	-73	216	-59	-128	-115
	6	49	1,131	1,297	641	-455	222
	7						
	8						
	9						
	10						
	11						
	12						

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year	month	HE_1_4	HE_13_16	HE_17_20	HE_21_24	HE_5_8	HE_9_12
	1	3660	2849	2659	3471	3733	3174
	2	4586	3937	3846	4547	3968	3812
	3	5504	3917	4243	5172	5149	4551
	4	5876	3826	4385	5466	5387	4449
	5	5660	4452	4840	5277	5237	4417
	6	5035	3504	4155	4661	4278	3940
	7	3570	2122	2812	3143	3052	2242
	8	3440	1505	2114	3077	2972	1897
	9	2898	2140	2453	2863	2273	1843
	10	4514	3046	3216	4466	3921	3481
	11	4561	3073	3317	4537	4146	3410
2013	12	3661	2845	2876	3802	3355	3102
	1	5808	4127	4036	5391	5211	4131
	2	4238	3120	2824	3762	3941	3502
	3	5359	3742	4014	4962	5013	4267
	4	5819	4465	4946	5139	4996	4593
	5	5275	3564	4320	4769	4371	3733
	6	6030	4599	5489	6012	5549	5127
	7						
	8						
	9						
	10						
	11						
2014	12						

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category	year	item	rankvar	rank	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FREQ_EXIST	2014	BRUNI_69_1 (BRUNI-BRUNI)	3579	1	827	394	276	406	935	741	0	0	0	0	0	0
FREQ_EXIST	2014	ODNTH_SD3_1 (ODNTH-ODNTH)	3513	2	0	0	0	3513	0	0	0	0	0	0	0	0
FREQ_EXIST	2014	LON_HI_SMITH1_1 (LON_HILL-SMITH)	2491	3	406	289	117	0	419	1260	0	0	0	0	0	0
FREQ_EXIST	2014	COLETO-VICTORIA (COLETO-VICTORIA)	1798	4	55	66	308	271	1046	52	0	0	0	0	0	0
FREQ_EXIST	2014	ROTN_WOLFGA1_1 (WOLFGANG-ROTN)	1599	5	488	151	696	167	93	4	0	0	0	0	0	0
FREQ_EXIST	2014	OLKW_BOS_1 (BOSQUESW-LKWHITNY)	1218	6	311	367	14	438	88	0	0	0	0	0	0	0
FREQ_EXIST	2014	CELANE_KLEBER1_1 (CELANEBI-KLEBERG)	1160	7	445	603	24	28	60	0	0	0	0	0	0	0
FREQ_EXIST	2014	GILA_HIWAY_2_1 (GILA-HIWAY_9)	1071	8	107	87	28	463	167	219	0	0	0	0	0	0
FREQ_EXIST	2014	LYTTON_S_AT1H (LYTTON_S-LYTTON_S)	1023	9	450	540	33	0	0	0	0	0	0	0	0	0
FREQ_EXIST	2014	6216__A (BCKSW-SHRNE)	1009	10	318	19	586	86	0	0	0	0	0	0	0	0
TOP10_RENT	2014	LYTTON_S_AT1H (LYTTON_S-LYTTON_S)	56.31	1	23.272	26.968	6.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	ODNTH_SD3_1 (ODNTH-ODNTH)	23.84	2	0.000	0.000	0.000	23.836	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	VALIMP (VALIMP)	12.83	3	0.000	0.030	12.798	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	256_A_1 (TOKSW-GIBCRK)	11.41	4	0.000	0.000	0.000	11.409	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	6146__A (MDLNE-PECN_GRV)	10.95	5	0.000	0.000	0.000	0.000	6.598	4.356	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	227T256_1 (MARSFO-LAGOVI)	10.59	6	0.000	10.594	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	PRSSW_MR1H (PRSSW-PRSSW)	9.35	7	0.000	0.904	8.446	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	LON_HI_SMITH1_1 (LON_HILL-SMITH)	9.05	8	2.246	2.022	0.373	0.000	1.742	2.665	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	CALALS_LON_HI1_1 (LON_HILL-CALALS)	8.13	9	1.020	0.000	5.603	1.504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	6240__A (SNYDR-SACRC)	8.08	10	0.000	0.000	8.082	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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category	year	item	rankvar	rank	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FREQ_EXIST	2014	BRUNI_69_1 (BRUNI-BRUNI)	2708	1	341	328	480	499	561	499	0	0	0	0	0	0
FREQ_EXIST	2014	GILA_HIWAY_2_1 (GILA-HIWAY_9)	1754	2	482	15	26	580	489	162	0	0	0	0	0	0
FREQ_EXIST	2014	ALO_WAR_1 (WARBURTN-ALOES)	1752	3	368	215	357	290	303	219	0	0	0	0	0	0
FREQ_EXIST	2014	ROTN_WOLFGA1_1 (WOLFGANG-ROTN)	1282	4	349	256	330	140	157	50	0	0	0	0	0	0
FREQ_EXIST	2014	COLETO_VICTOR (COLETO-VICTORIA)	1277	5	24	39	167	133	619	295	0	0	0	0	0	0
FREQ_EXIST	2014	HIC_LOCU_1 (HICKRY_D-LOCUST_D)	1182	6	332	234	284	101	82	149	0	0	0	0	0	0
FREQ_EXIST	2014	MUNDAY_MUNDAY1_1 (MUNDAYST-MUND	1112	7	139	212	178	96	170	317	0	0	0	0	0	0
FREQ_EXIST	2014	WHTNY XFMRS (WHTNY-WHTNY)	966	8	191	174	120	249	171	61	0	0	0	0	0	0
FREQ_EXIST	2014	100027_D_1 (WHTNY-WND)	962	9	61	288	181	159	191	82	0	0	0	0	0	0
FREQ_EXIST	2014	LA_PAL_VCAVAZ1_1 (LA_PALMA-VCAVAZC	865	10	172	118	124	233	128	90	0	0	0	0	0	0
TOP10_RENT	2014	ODNTH_SD3_1 (ODNTH-ODNTH)	31.55	1	0.000	0.000	0.831	30.719	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	LYTTON_S_AT1 (LYTTON_S-LYTTON_S)	18.39	2	7.457	8.767	2.138	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	6345__B (GNTSW-SPRTP)	10.44	3	0.000	0.000	0.000	2.805	7.578	0.058	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	FALFUR_69A1 (FALFUR-FALFUR)	10.34	4	4.339	5.702	0.000	0.000	0.269	0.026	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	227T256_1 (MARSFO-LAGOVI)	9.85	5	0.000	9.097	0.503	0.116	0.016	0.114	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	LON_HI_ROB_CP1_1 (LON_HILL-ROB_CPL	6.40	6	1.961	4.434	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	CALALS_LON_HI1_1 (LON_HILL-CALALS)	6.23	7	0.000	0.912	4.635	0.208	0.473	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	LON_HI_SMITH1_1 (LON_HILL-SMITH)	5.87	8	0.954	1.213	0.036	0.000	0.661	3.006	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	MUNDAY_MUNDAY1_1 (MUNDAYST-MUND	4.86	9	0.290	0.639	0.389	0.213	0.625	2.705	0.000	0.000	0.000	0.000	0.000	0.000
TOP10_RENT	2014	BI_SMR98_A (SMITHERS-BI)	4.73	10	0.000	0.018	0.492	1.308	2.909	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ftr_option	year	pair	total_value	rank	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
N	2014	HB_WEST-LZ_WEST	15.87	1	0.356	0.572	1.616	2.253	3.627	3.658	3.791	0.000	0.000	0.000	0.000	0.000
N	2014	HB_NORTH-HB_HOUSTON	5.52	2	0.000	0.000	0.522	1.469	1.854	1.362	0.308	0.000	0.000	0.000	0.000	0.000
N	2014	HB_SOUTH-LZ_SOUTH	5.45	3	0.459	0.495	0.560	1.182	0.729	0.924	1.099	0.000	0.000	0.000	0.000	0.000
N	2014	HB_NORTH-LZ_NORTH	3.49	4	0.345	0.276	0.427	0.517	0.358	0.656	0.907	0.000	0.000	0.000	0.000	0.000
N	2014	HB_NORTH-HB_SOUTH	2.09	5	0.252	0.300	0.343	0.596	0.470	0.127	0.000	0.000	0.000	0.000	0.000	0.000
N	2014	HB_HOUSTON-LZ_HOUSTON	1.77	6	0.076	0.059	0.077	0.232	0.219	0.505	0.600	0.000	0.000	0.000	0.000	0.000
N	2014	HB_NORTH-HB_WEST	0.67	7	0.026	0.031	0.000	0.000	0.000	0.244	0.364	0.000	0.000	0.000	0.000	0.000
N	2014	LGE_LGE_GT1-HB_SOUTH	0.60	8	0.030	0.124	0.092	0.097	0.078	0.120	0.065	0.000	0.000	0.000	0.000	0.000
N	2014	OGSES_2-HB_NORTH	0.56	9	0.043	0.041	0.098	0.129	0.072	0.059	0.117	0.000	0.000	0.000	0.000	0.000
N	2014	OGSES_1-HB_NORTH	0.55	10	0.045	0.041	0.095	0.133	0.073	0.060	0.105	0.000	0.000	0.000	0.000	0.000
Y	2014	HB_WEST-LZ_WEST	9.52	1	0.545	0.379	0.881	1.086	1.925	1.730	2.973	0.000	0.000	0.000	0.000	0.000
Y	2014	HB_SOUTH-LZ_SOUTH	2.12	2	0.231	0.065	0.065	0.315	0.598	0.564	0.280	0.000	0.000	0.000	0.000	0.000
Y	2014	CALAVER_JKS2-LZ_CPS	1.69	3	0.099	0.031	0.070	0.144	0.330	0.478	0.536	0.000	0.000	0.000	0.000	0.000
Y	2014	HB_NORTH-LZ_NORTH	1.64	4	0.271	0.170	0.133	0.139	0.154	0.419	0.358	0.000	0.000	0.000	0.000	0.000
Y	2014	HB_NORTH-HB_HOUSTON	1.52	5	0.190	0.037	0.663	0.090	0.092	0.123	0.321	0.000	0.000	0.000	0.000	0.000
Y	2014	HB_WEST-HB_NORTH	0.90	6	0.159	0.121	0.319	0.164	0.031	0.010	0.098	0.000	0.000	0.000	0.000	0.000
Y	2014	RIONOG_ST1-HB_SOUTH	0.84	7	0.164	0.119	0.123	0.000	0.161	0.270	0.004	0.000	0.000	0.000	0.000	0.000
Y	2014	STP_STP_G2-LZ_CPS	0.83	8	0.057	0.032	0.136	0.077	0.177	0.195	0.159	0.000	0.000	0.000	0.000	0.000
Y	2014	BRA_AVR_CST1-LZ_CPS	0.63	9	0.031	0.005	0.012	0.064	0.259	0.208	0.047	0.000	0.000	0.000	0.000	0.000
Y	2014	STP_STP_G1-LZ_CPS	0.61	10	0.057	0.034	0.069	0.009	0.088	0.198	0.157	0.000	0.000	0.000	0.000	0.000

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