

OE ENERGY MARKET SNAPSHOT

West Version –Data through March 2016

Office of Enforcement
Federal Energy Regulatory Commission
April 2016

Natural Gas and Fuels Markets

West

West Day Ahead Natural Gas Prices Averaged Annually/Seasonally

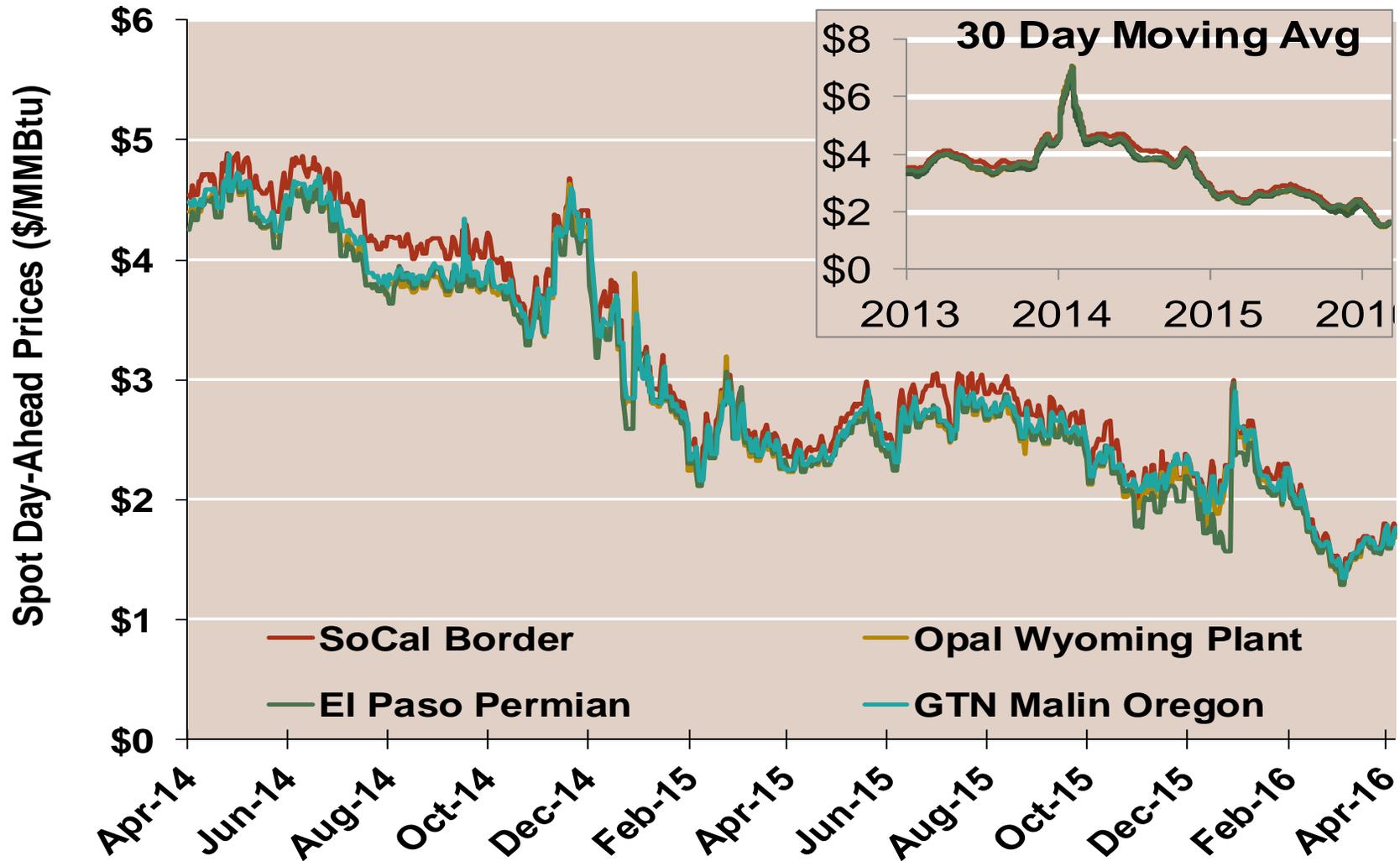
	Average Day Ahead Prices (\$/MMBtu)	SoCal Border	Opal Wyoming Plant	El Paso Permian	GTN Malin Oregon	Henry Hub
2013	Annual	3.83	3.65	3.63	3.71	3.72
	Summer	3.82	3.61	3.63	3.67	3.76
	Winter 2013/2014	4.89	4.88	4.68	4.88	4.61
2014	Annual	4.50	4.35	4.26	4.39	4.32
	Summer	4.34	4.07	4.07	4.14	4.18
	Winter 2014/2015	3.15	3.03	3.01	3.06	3.21
2015	Annual	2.60	2.46	2.44	2.51	2.60
	Summer	2.67	2.51	2.51	2.56	2.67
	Winter 2015/2016	2.04	1.96	1.88	2.01	1.97
2016 YTD	Annual	1.91	1.83	1.81	1.87	1.97
	Summer	1.76	1.70	1.69	1.72	1.93
	Winter 2016/2017					

Notes:

Source: ICE

Updated Apr-2016

West Daily Day-Ahead Prices

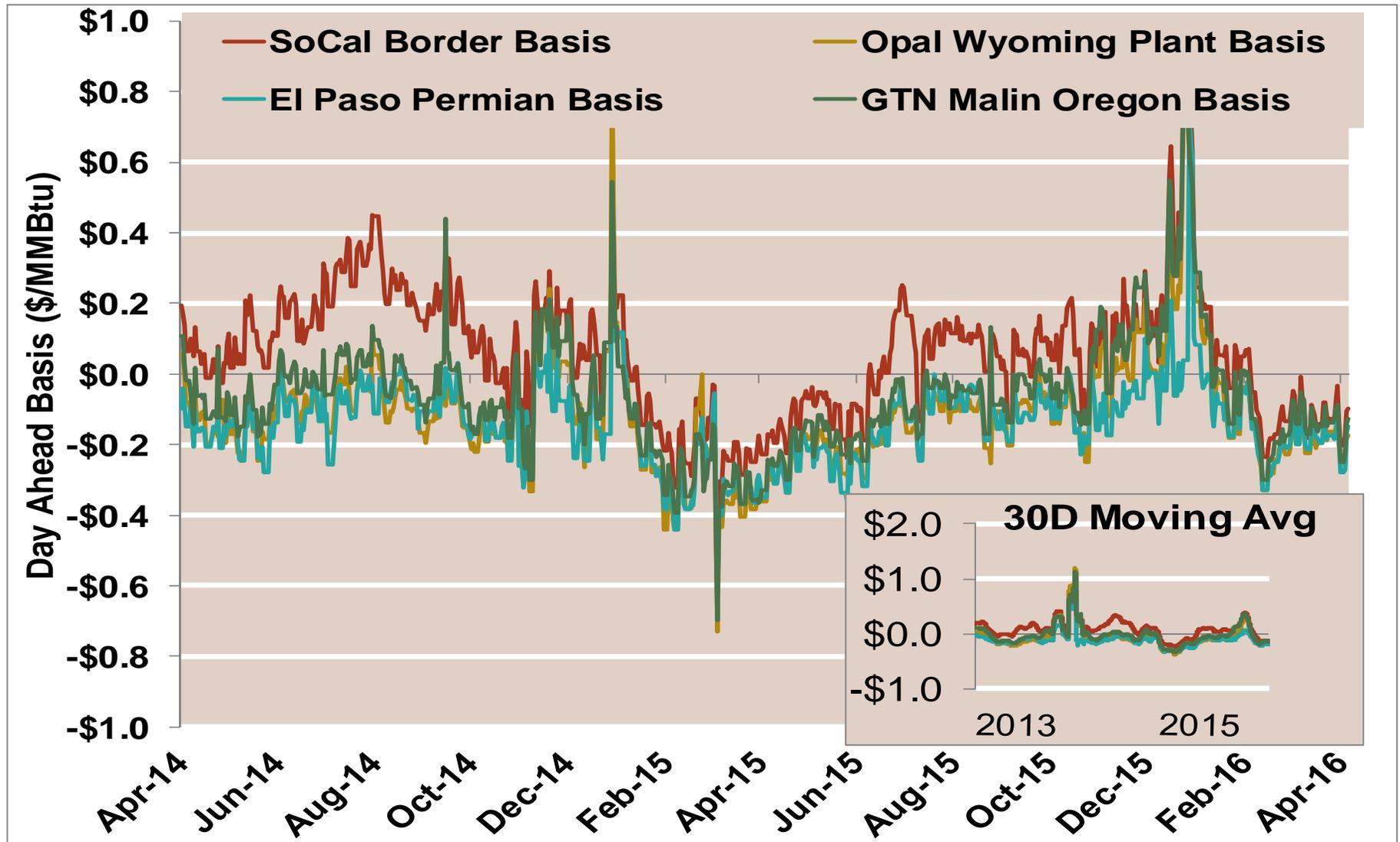


Notes:

Source: ICE

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West Daily Day-Ahead Basis

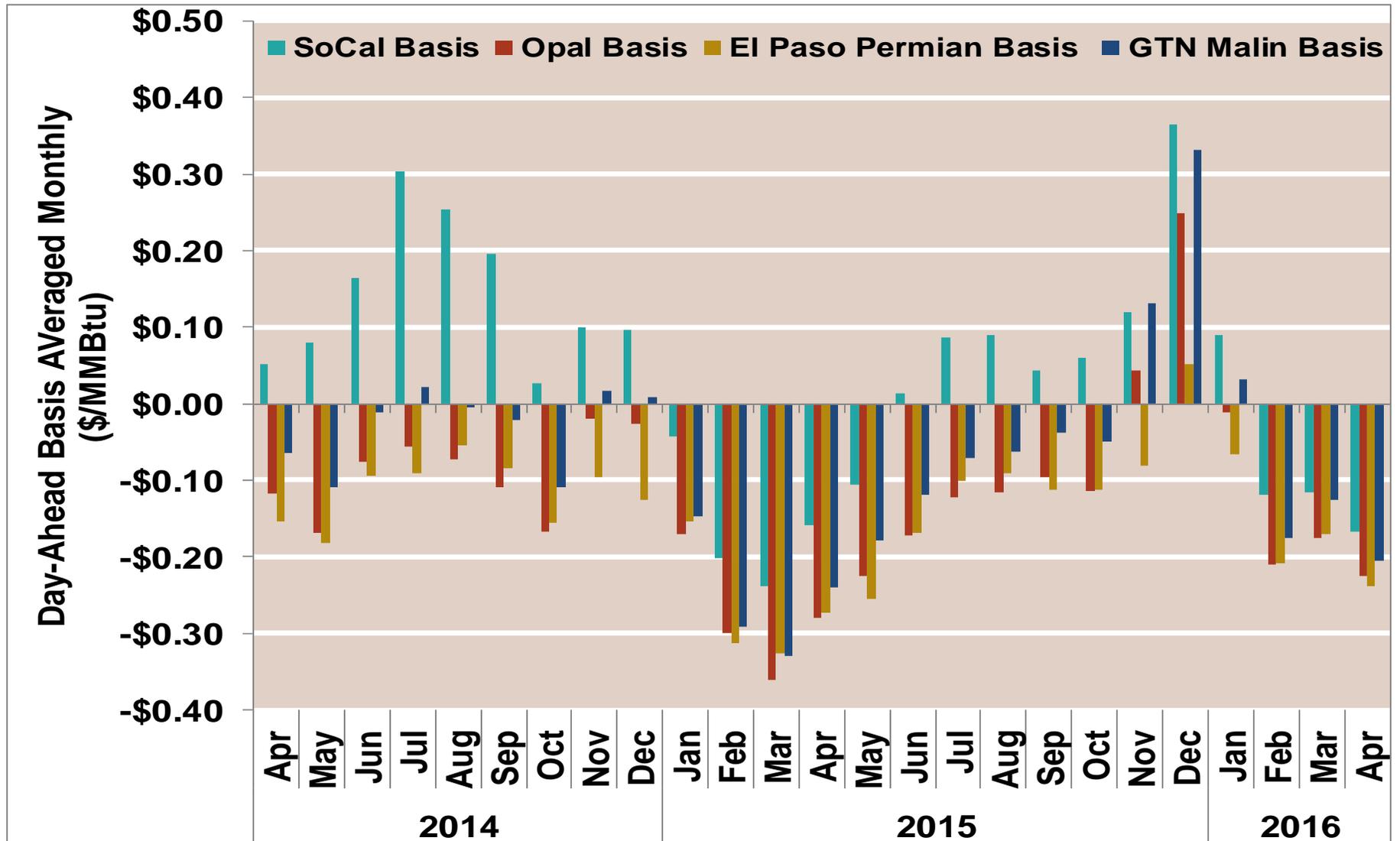


Notes:

Source: ICE

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West Average Monthly Basis

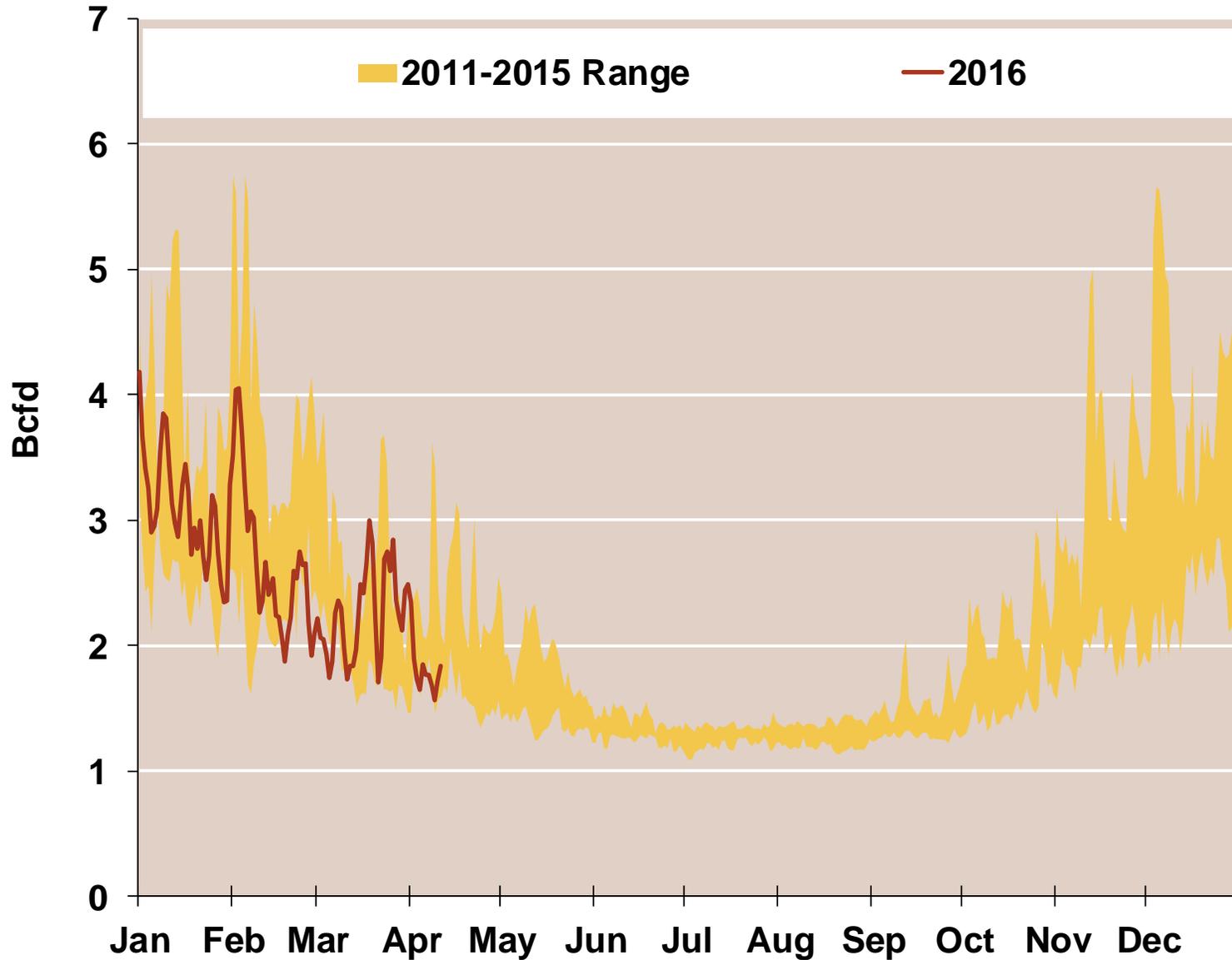


Notes:

Source: ICE

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Daily Rockies Natural Gas Demand All Sectors



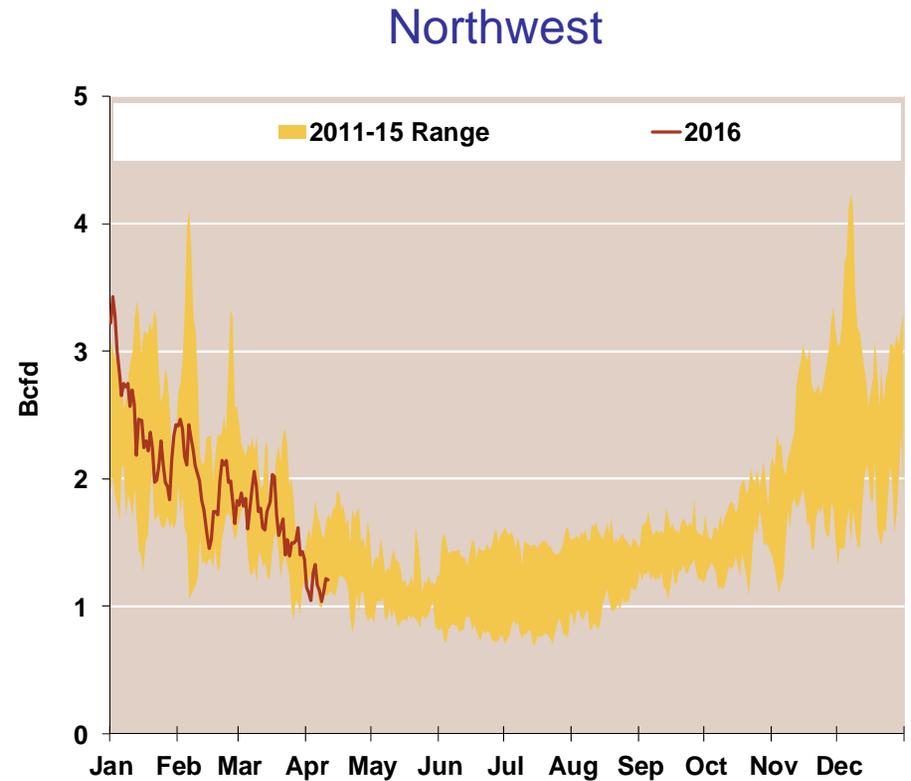
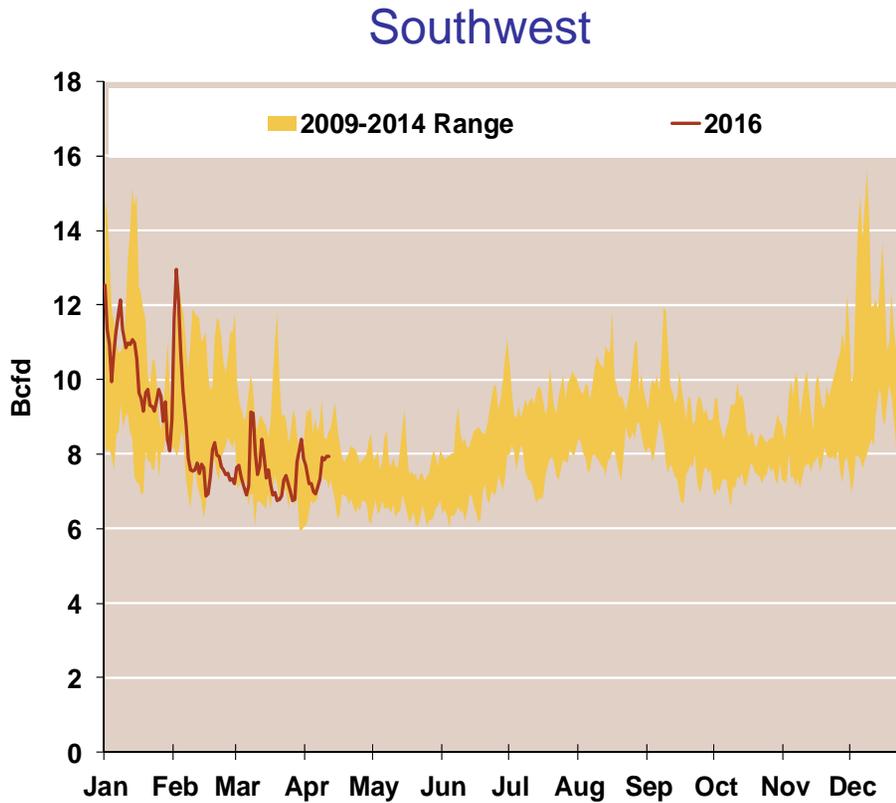
Source: Derived from *Bentek Energy* data

Note: Rockies is defined as Montana, Wyoming, Colorado, and Utah

Updated: Oct 2015

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Daily Southwest and Northwest Natural Gas Demand All Sectors



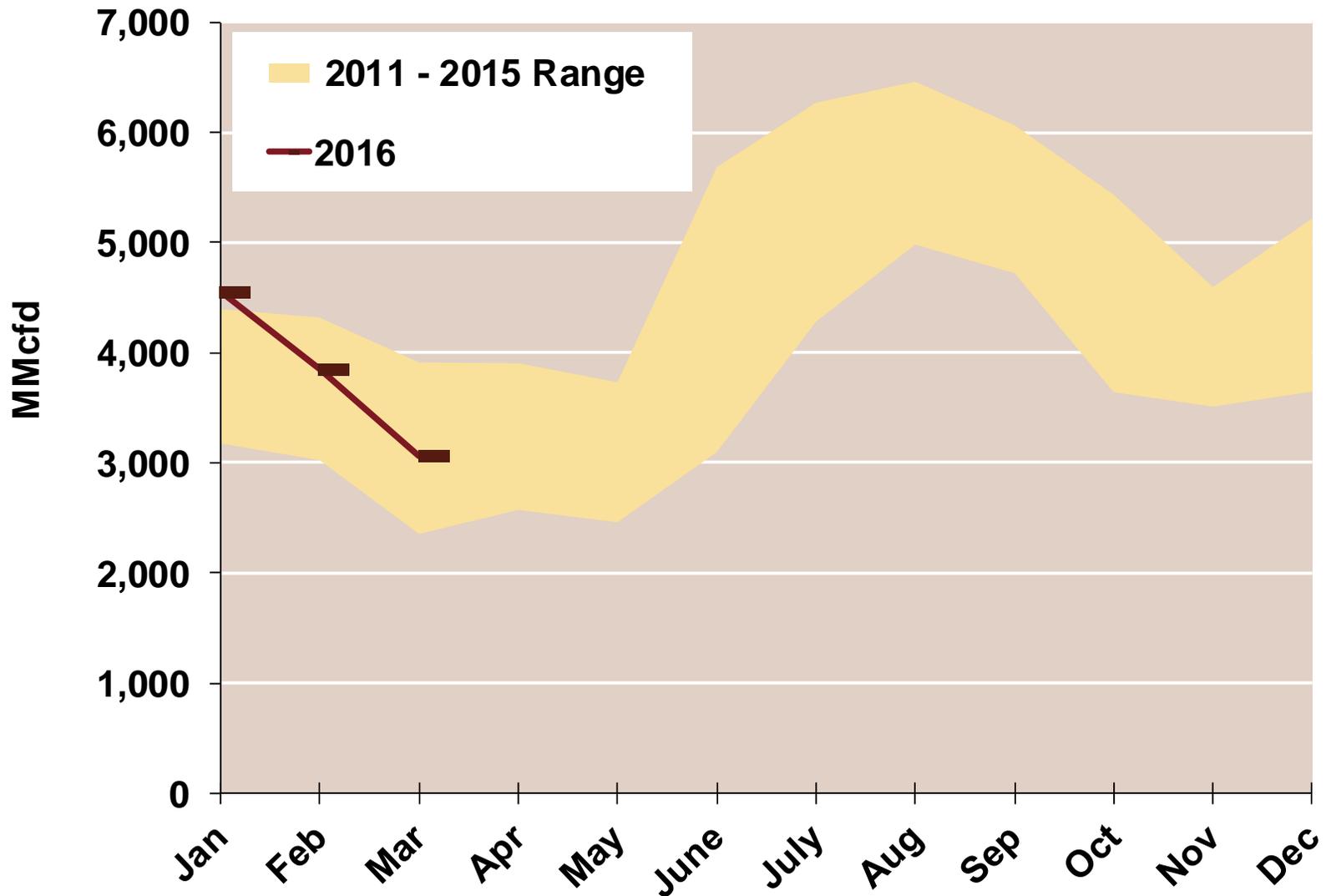
Source: Derived from *Bentek Energy* data

Note: Data derived from interstate natural gas pipeline flows.

Southwest is defined as New Mexico, Arizona, California, Nevada and the Northwest is defined as Idaho, Oregon, and Washington

Updated: Oct 2015

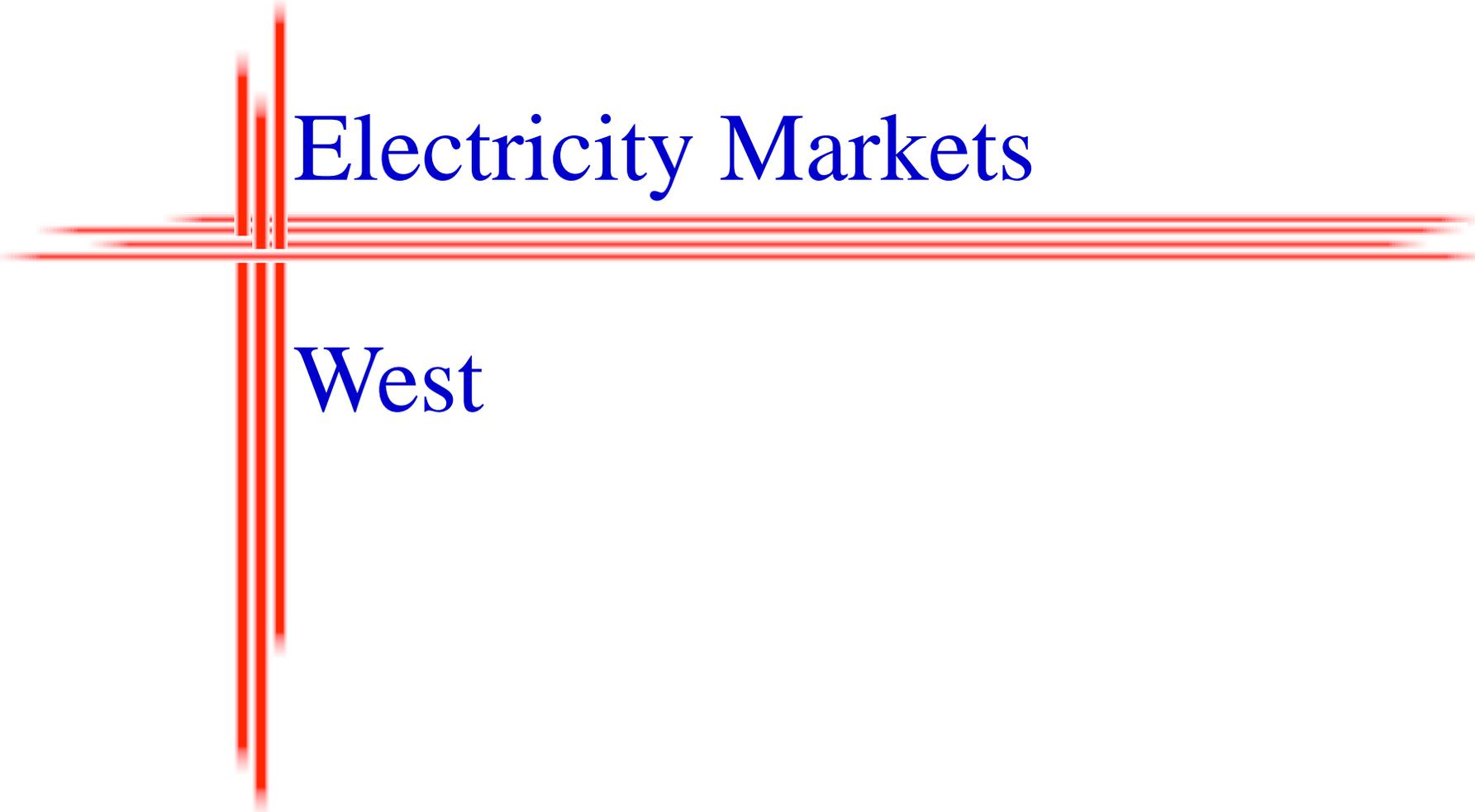
West Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data

Note: West is defined as Montana, Wyoming, Colorado, Utah New Mexico, Arizona, California, Nevada , Idaho, Oregon, and Washington

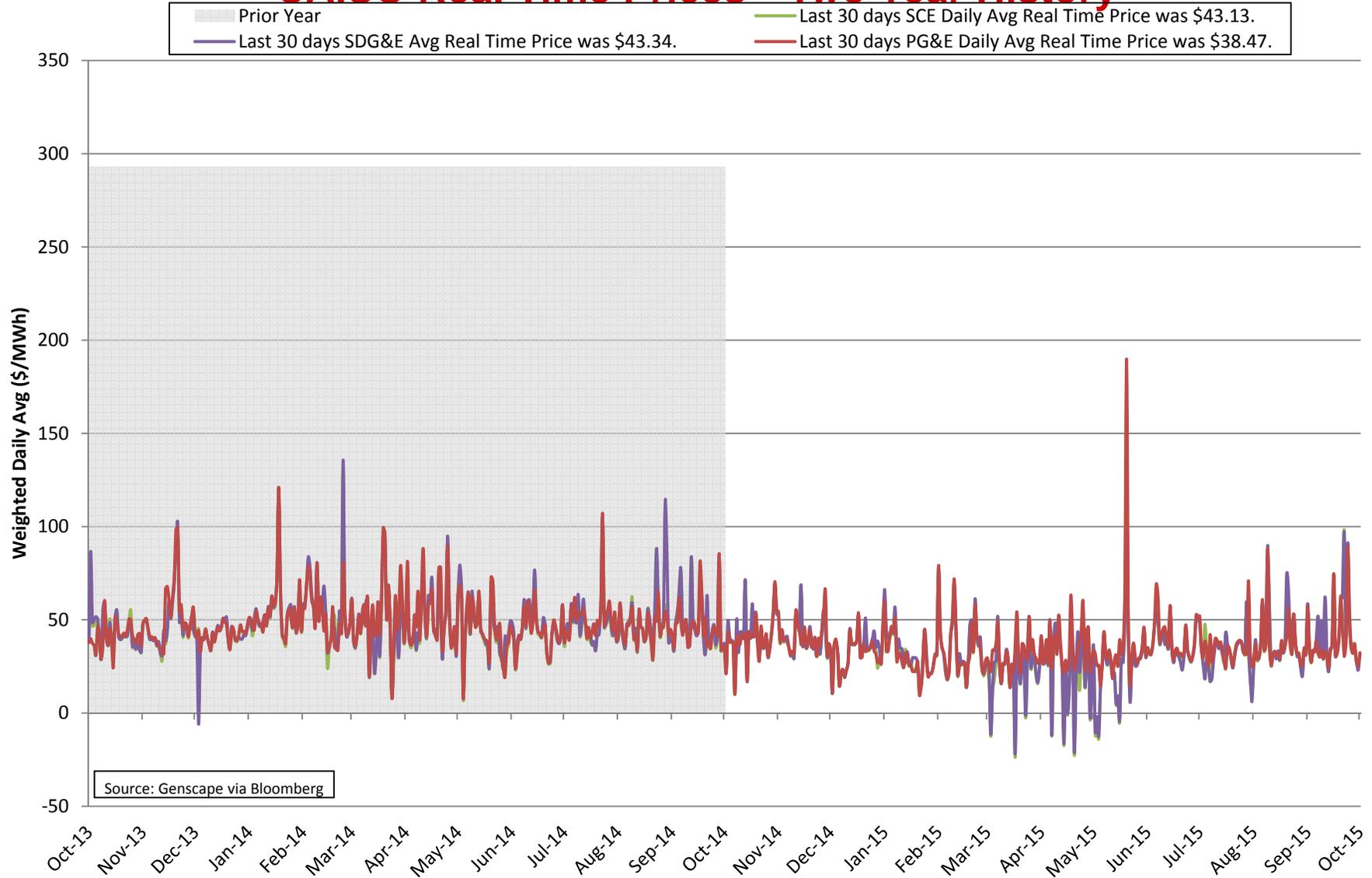
Updated: Oct 2015



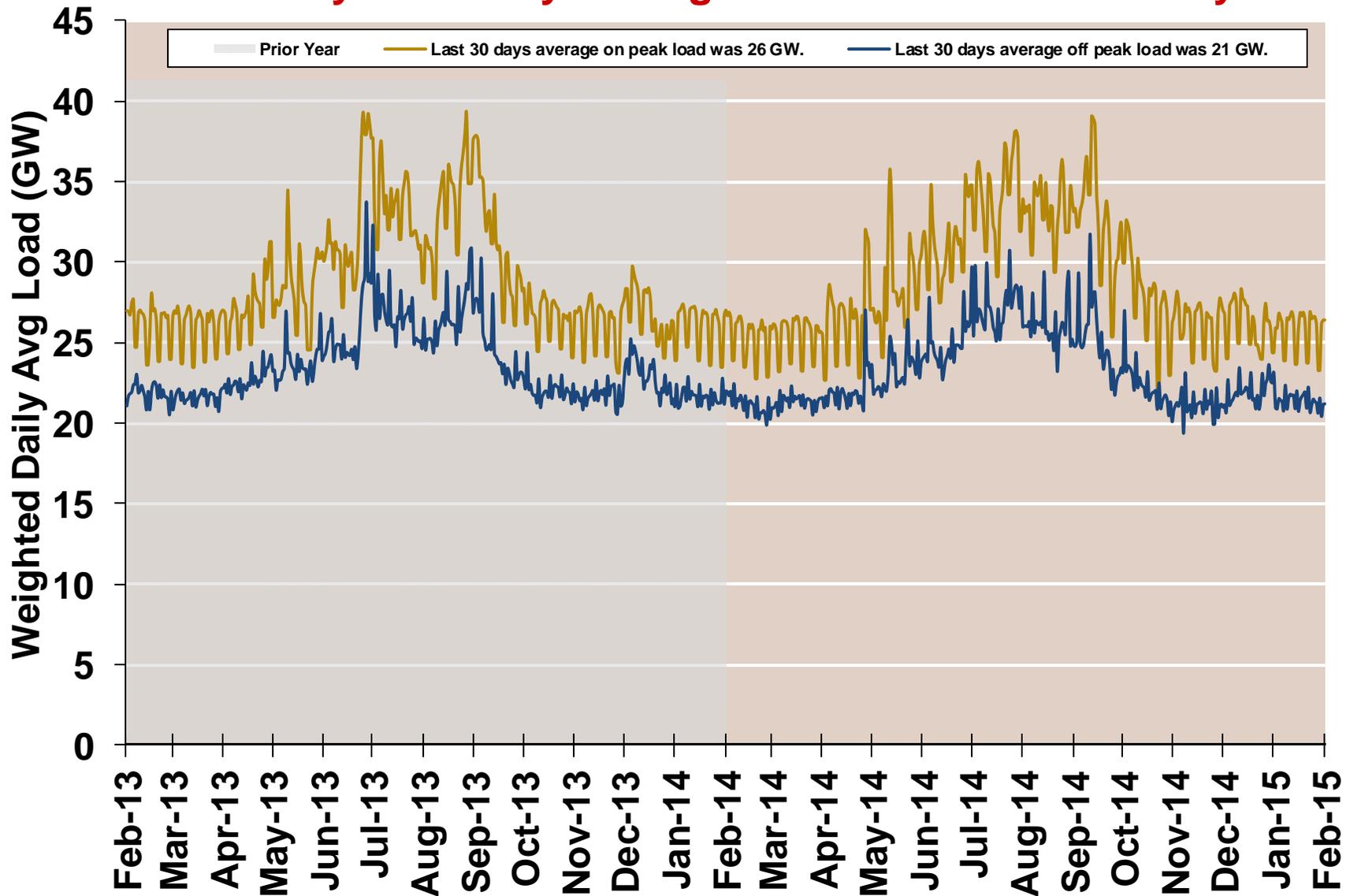
Electricity Markets

West

CAISO Real Time Prices—Two Year History



CAISO System Daily Average Load —Two Year History



Source: Genscape via Bloomberg

Updated: Oct 2015

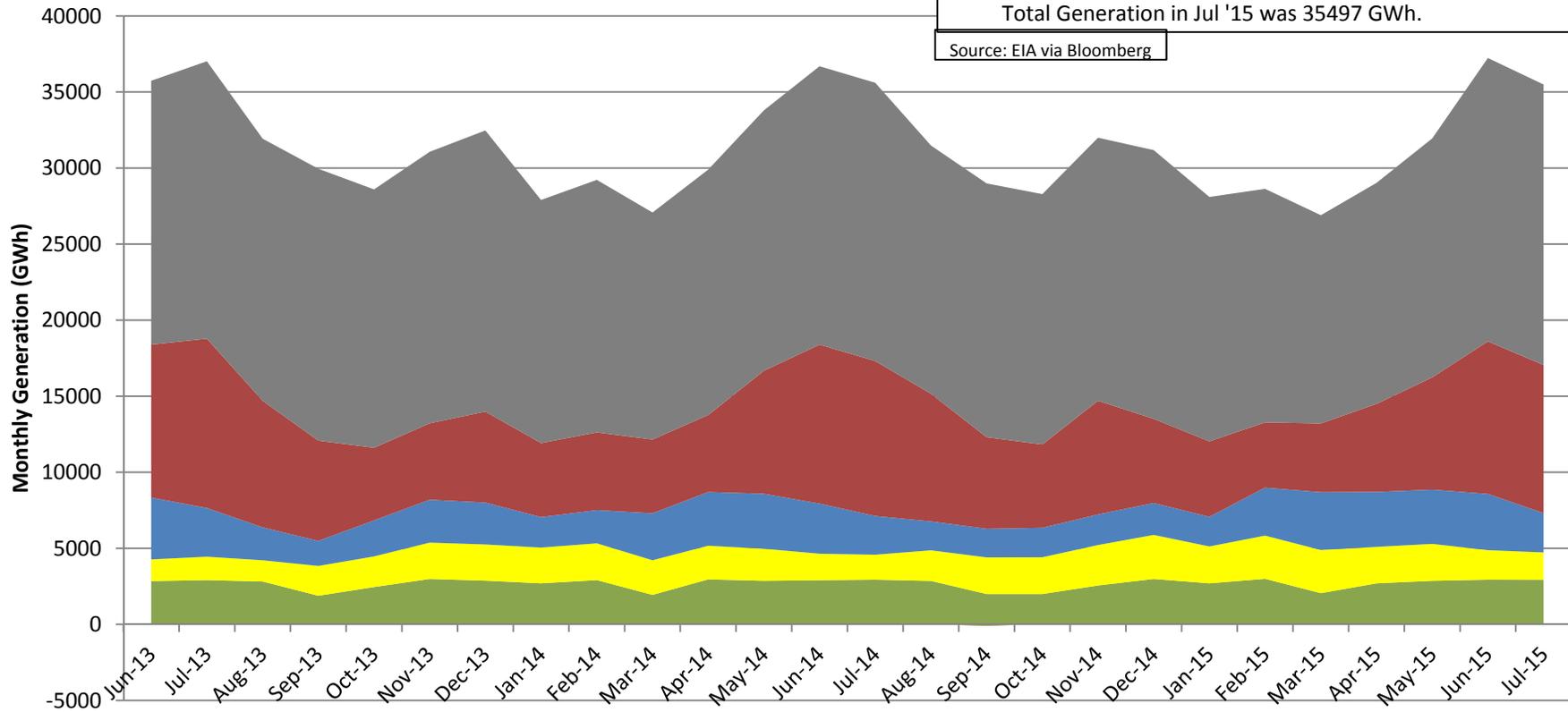
Mountain Regional Generation Mix

Mountain Regional Generation Mix, Jun '13 to Jul '15

States: AZ, CO, ID, MT, NM, NV, UT, WY

- Coal Generation in Jul '15 was 18444 GWh (52%).
- Gas Generation in Jul '15 was 9740 GWh (27%).
- Hydro Generation in Jul '15 was 2583 GWh (7%).
- Othr Renew Generation in Jul '15 was 1800 GWh (5%).
- Nuclear Generation in Jul '15 was 2910 GWh (8%).
- Oil Generation in Jul '15 was 20 GWh (0%).
- Total Generation in Jul '15 was 35497 GWh.

Source: EIA via Bloomberg



Pacific Contiguous Generation Mix

