

# **2014 Ozone Season Update Denver Metro Area/ North Front Range**

**Denver Regional Council of Governments  
Board Meeting**

**Amanda Brimmer  
Regional Air Quality Council  
September 17, 2014**

# 8-Hour Ozone Design Values

Monitor	1st Max 2014	2nd Max 2014	3rd Max 2014	4th Max			2012-2014 Design Value <sup>^</sup>
				2014	2013	2012	
Welby	73	72	67	67	77	77	73
	08/24/14	06/20/14	07/28/14	07/22/14			
Aurora East	77	69	68	67	73	74	71
	08/04/14	06/20/14	07/07/14	08/24/14			
South Boulder Creek	75	75	74	69	79	76	74
	07/22/14	07/03/14	06/20/14	06/02/14			
CAMP	68	64	64	61	67	68	65
	08/24/14	08/03/14	06/20/14	06/29/14			
La Casa**	69	69	66	66	71	n/a	--
	08/24/14	06/20/14	08/03/14	05/04/14			
Chatfield State Park	77	75	75	72	83	86	80
	06/20/14	07/22/14	07/09/14	08/04/14			
Welch	70	70	69	66	80	79	75
	07/22/14	06/20/14	08/03/14	08/24/14			
Rocky Flats	82	79	77	74	85	84	81
	07/22/14	06/20/14	07/09/14	08/03/14			
NREL	79	78	77	76	84	81	80
	07/22/14	08/03/14	07/09/14	07/02/14			
Aspen Park	74	70	69	67	77	77	73
	06/20/14	07/14/14	07/22/14	05/04/14			
Rocky Mtn. Nat'l Park***	69	69	69	69	74	79	74
	07/22/14	07/02/14	06/04/14	06/02/14			
Fort Collins - West	82	79	76	75	82	80	79
	06/26/14	08/13/14	07/22/14	07/03/14			
Fort Collins - CSU	74	74	73	72	74	74	73
	07/19/14	06/26/14	07/17/14	08/13/14			
Greeley - Weld Tower	78	72	71	70	73	80	74
	05/29/14	06/25/14	06/13/14	06/20/14			

## Legend

Daily maximum  
8-hour average  
ozone value  
exceeds 75 parts  
per billion (ppb)

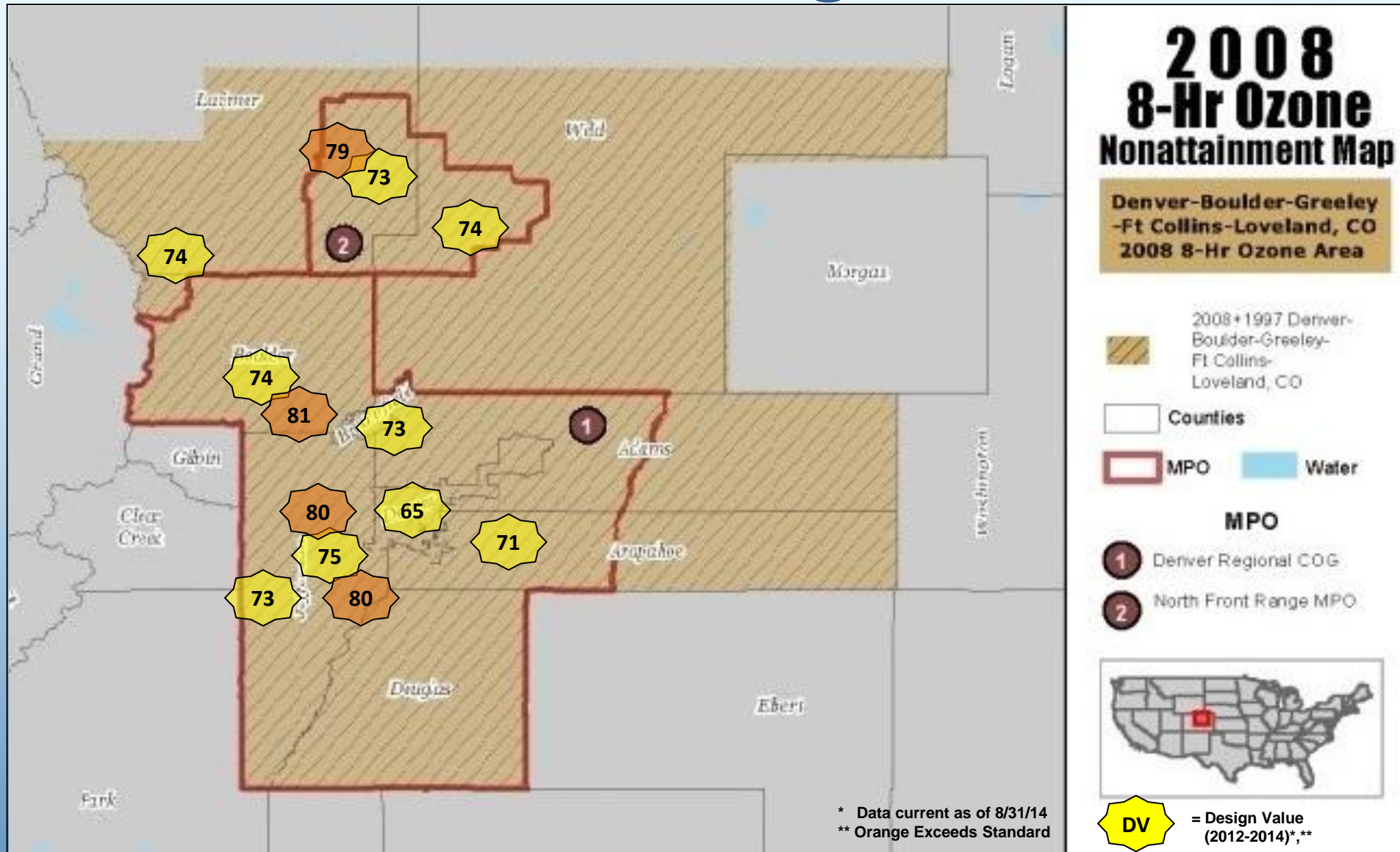
8-hour ozone  
values for current  
(2014) ozone  
season

Regional Design  
Value (highest 3-  
year average of  
4th highest 8-hour  
average ozone  
concentration)

\* Not a full year of data for 2014. Current as of August 31, 2014. Data has been reviewed against the Colorado Air Pollution Control Division, September 12, 2014 update.

\*\* La Casa monitor online in 2013.

# 2012-2014 Design Values



# Climate Data and Information

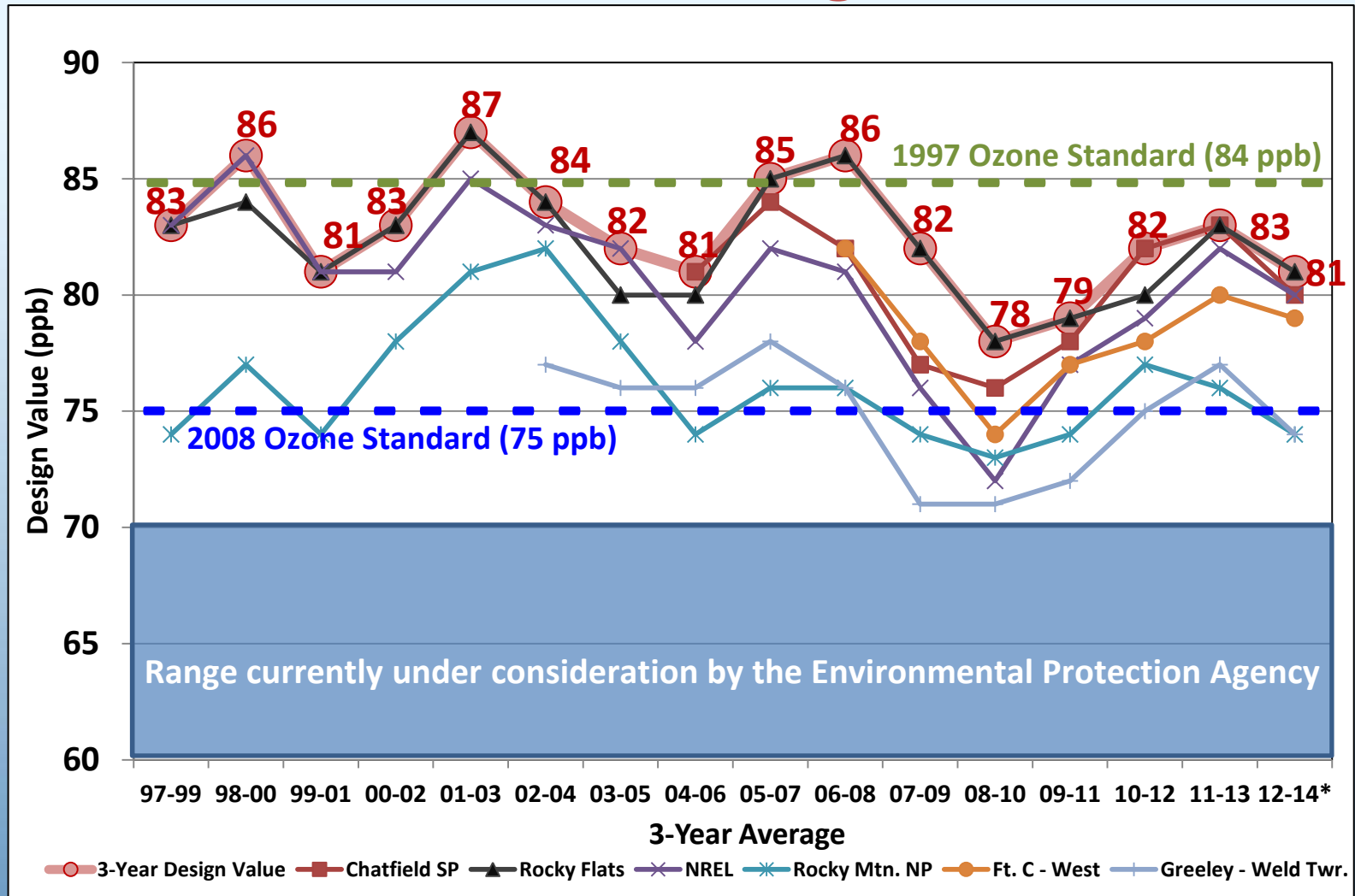
## 2014 Ozone Season

Month	Average Maximum Daily Temperature (°F)		Days > 90°F	Precipitation (inches)	
	2014	2014 Compared to Previous Years		2014	2014 Compared to Previous Years
May	69° (2°↓ Normal)	= to 2013 4°↓ 2012	0	1.7" (1.2" ↓ Normal)	0.2" ↓ 2013 0.3" ↑ 2012
June	82° (= Normal)	3°↓ 2013 6°↓ 2012	4	1.1" (0.9" ↓ Normal)	0.1" ↓ 2013 1.8" ↓ 2012
July	85° (4°↓ Normal)	1°↓ 2013 5°↓ 2012	11	3.9" (1.4" ↑ Normal)	3.3" ↑ 2013 1.3" ↑ 2012
August	82° (4°↓ Normal)	5°↓ 2013 6°↓ 2012	0	1.8" (0.3" ↓ Normal)	1.5" ↓ 2013 1.4" ↑ 2012

\* Current as of August 31, 2014- Denver Centennial Airport; ↑ = warmer/greater than; ↓ = cooler/less than

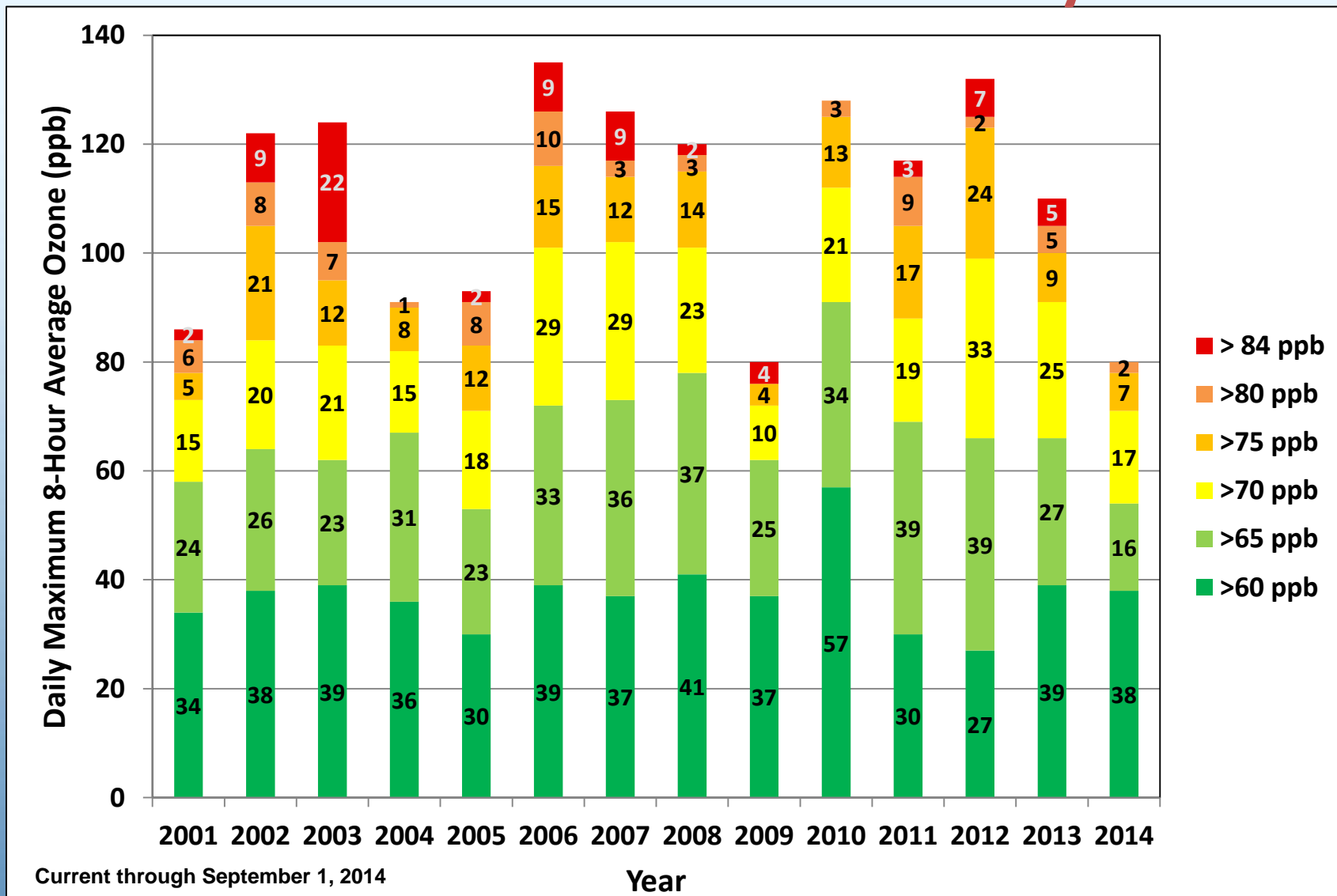
Sources: Historic Monthly Values = Weather Underground ([www.wunderground.com/history/airport/KAPA/2010/4/20/MonthlyHistory.html](http://www.wunderground.com/history/airport/KAPA/2010/4/20/MonthlyHistory.html));  
Normal Values: [www.weather.com/weather/wxclimatology/monthly/graph/USCO0065](http://www.weather.com/weather/wxclimatology/monthly/graph/USCO0065)

# Denver Metro/North Front Range 8-Hour Ozone Design Value



Design Value is based on the maximum 3-year average of the 4<sup>th</sup>-highest 8-hour average ozone concentration at each monitor.  
 \* Not a full year of data for 2014. Current as of September 12, 2014. Data has been reviewed against the Colorado Air Pollution Control Division through August 2014.

# Denver Metro/North Front Range 8-Hour Ozone Exceedance Days



# Contact Information

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