

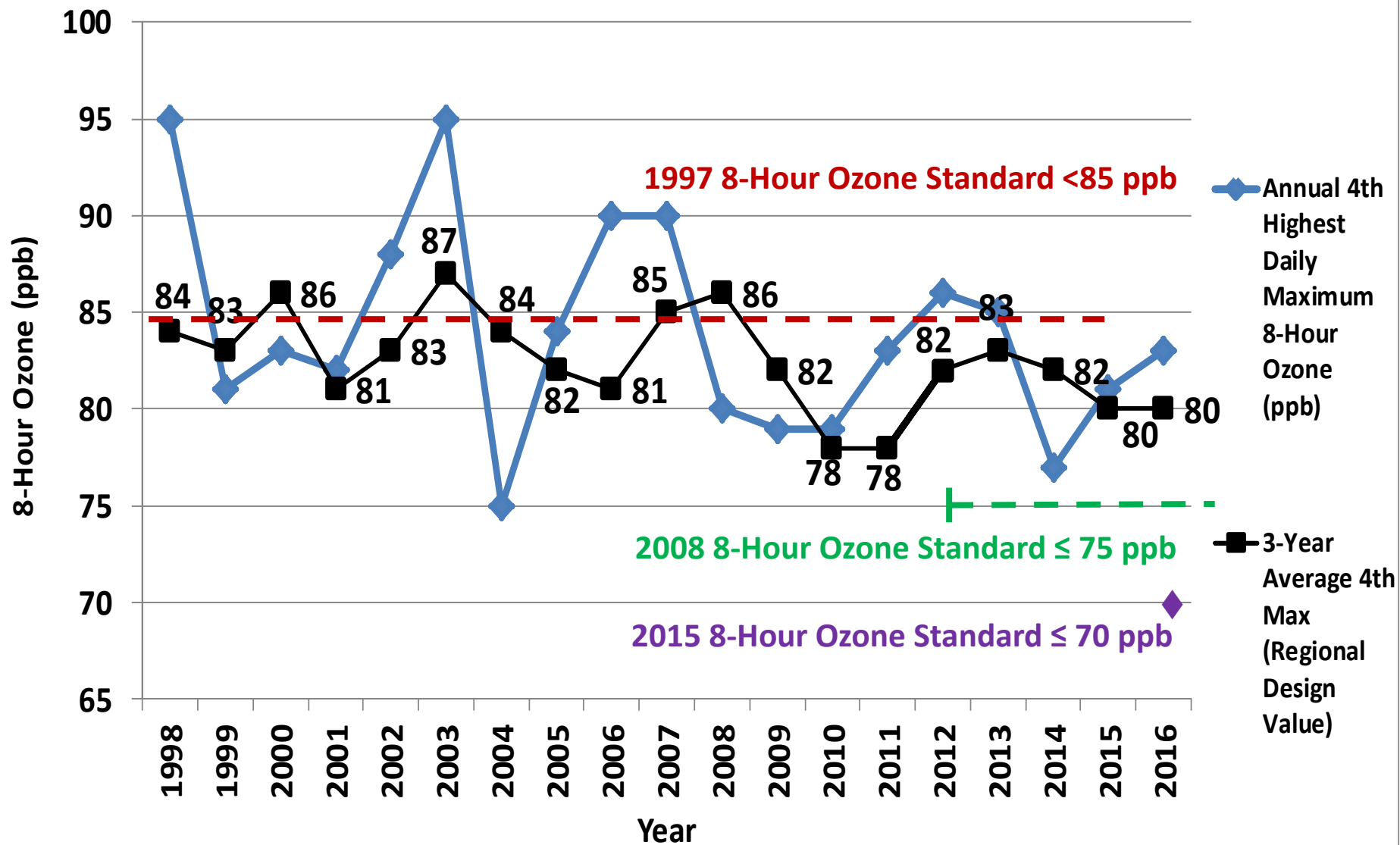
Background Ozone and Local Air Quality Planning

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DENVER, COLORADO

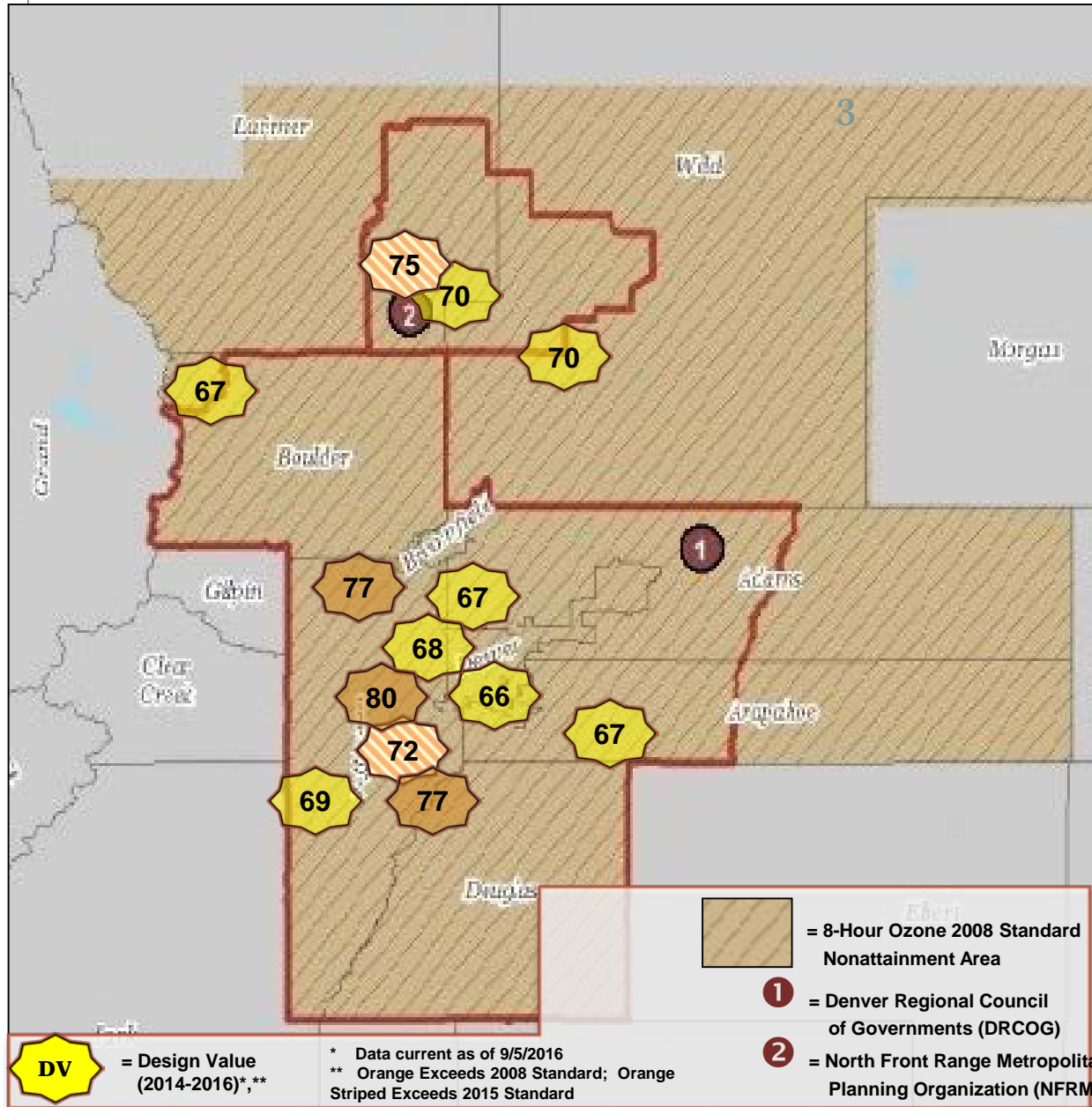
BACKGROUND OZONE SCIENTIFIC
ASSESSMENT WORKSHOP
MARCH 28-29, 2017

8-Hour Ozone Trend and Federal Standards



8-Hour Ozone Standard: Based on a three-year average of the annual forth-highest daily 8-hour maximum ozone concentration.

2014-2016 Design Values



Monitor	2014-2016 Design Value (ppb)*
NREL	<u>80</u>
Chatfield State Park	77
Rocky Flats	77
Fort Collins - West	75
Welch	72
Fort Collins - CSU	70
Greeley - Weld Tower	70
Aspen Park	69
La Casa	68
Aurora East	67
Rocky Mtn. Nat'l Park	67
Welby	67
CAMP	66
Boulder Reservoir [^]	--
Highland [^]	--

2008 Ozone Standard



Promulgated by EPA in March 2008; Set at level of .075 ppm (75 ppb)
4th max value averaged over a 3-year period at each monitor

Denver/North Front Range region designated as a Marginal Nonattainment Area on July 20, 2012

Marginal Area attainment area did not attain by July 20, 2015
Based on 2012-14 data

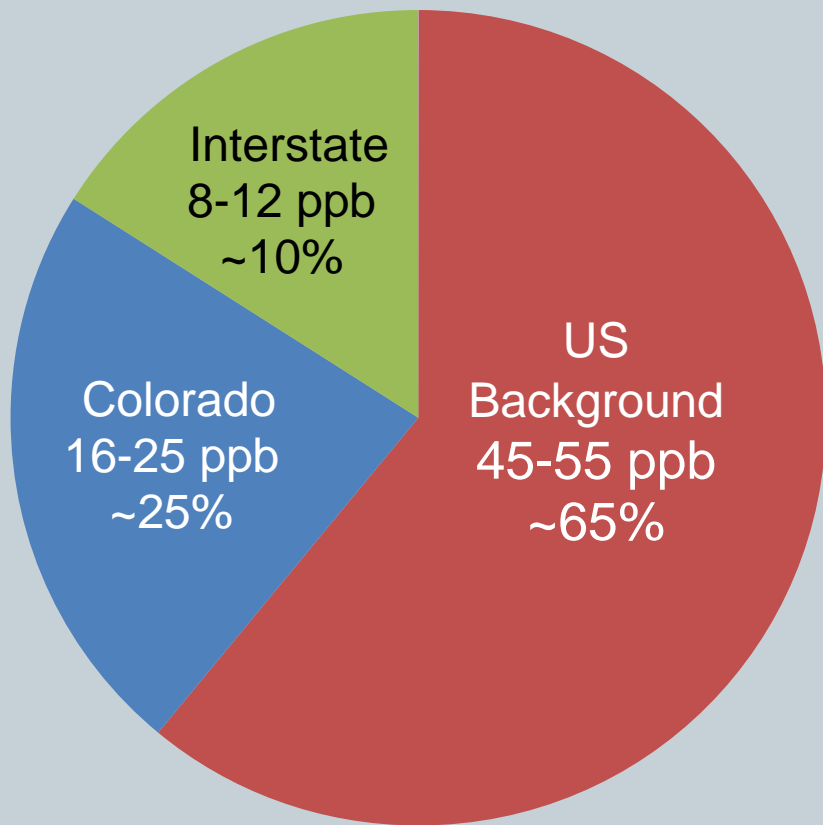
“Bumped-up” to Moderate nonattainment classification in May 2016

New attainment deadline of July 20, 2018
Based on 2015-2017 data

Moderate Area State Implementation Plan (SIP) adopted Nov. 2016
Submittal to EPA in spring 2017

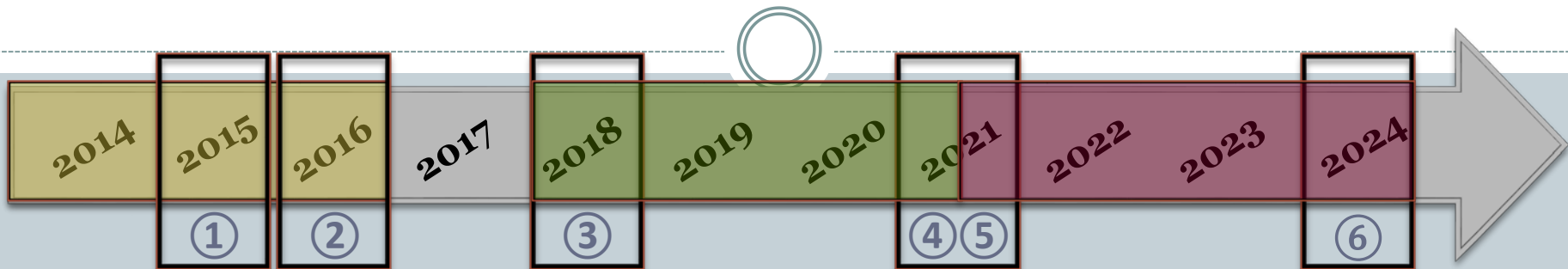
Background Ozone -- Denver

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- **Interstate Transport**
 - Transport Rule(s)
- **US Background**
 - Exceptional Events Rule
 - 179B Determination

2015 Ozone Standard



- ① 70 ppb Standard finalized – Oct. 2015
- ② State designation recommendations submitted Oct. 2016
- ③ EPA finalize designations/classifications Oct. 2017 – effective Jan. 2018
 - Based on 2014-2016 data (possibly preliminary 2017 data)
- ④ Marginal Area attainment date – Jan. 2021 (likely based on 2018-2020 data)
- ⑤ Moderate Area SIP revisions due Jan. 2021
- ⑥ Moderate Area attainment date – Jan. 2024 (likely based on 2021-2023 data)
 - Additional measures implemented by 2023 ozone season