

MOVES2014 versus MOVES2010b: Preliminary Emission Comparison

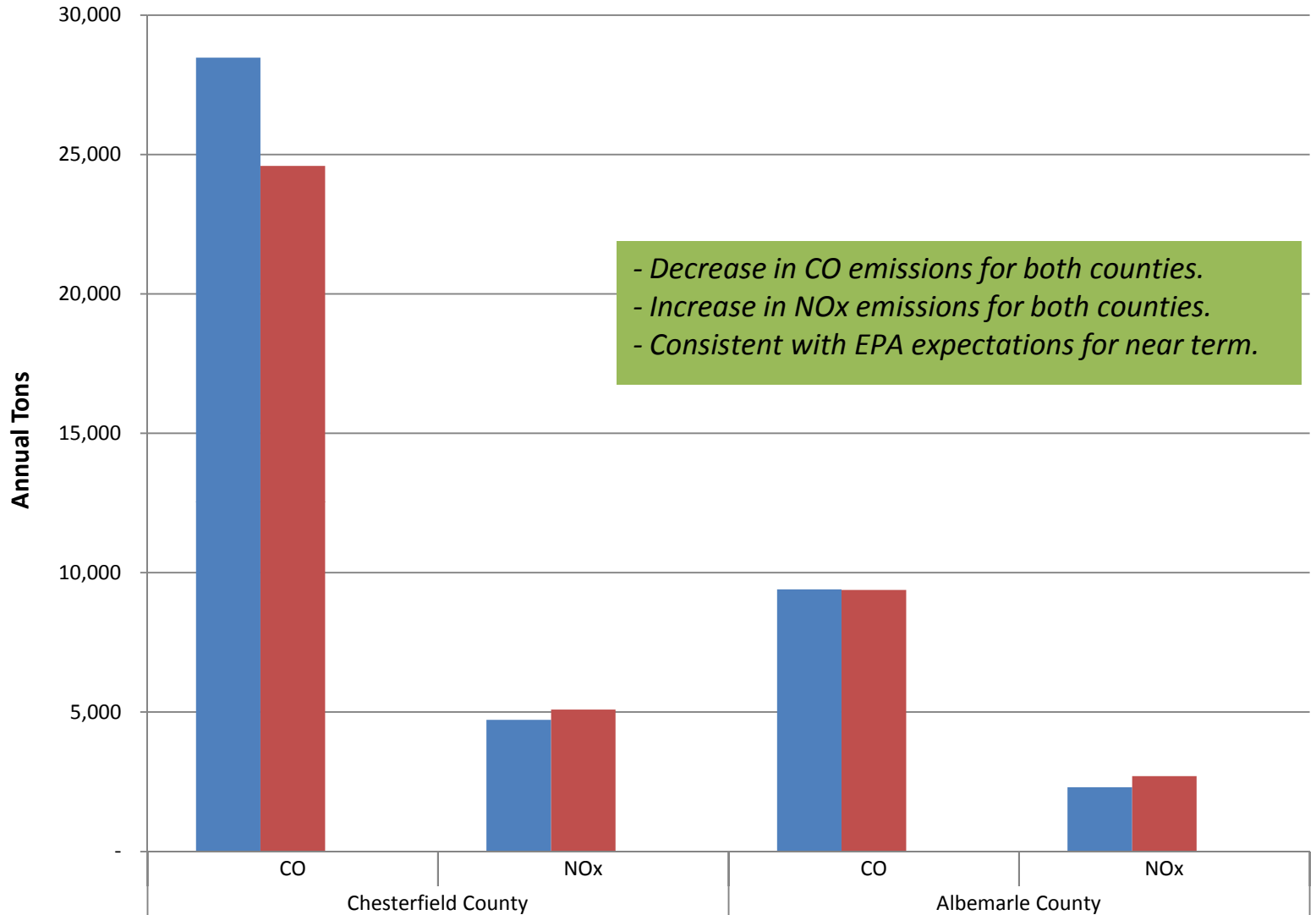
Virginia DEQ

November 12, 2014

Background

- 2011 and 2018 inventory years used for analysis since inputs were previously developed for EPA NEI.
- Virginia counties of Chesterfield and Albemarle are generally used for all in-house testing.
- Only CO and NO_x included due to relatively short processing time for MOVES.
- Draft preliminary data. Analysis still ongoing.

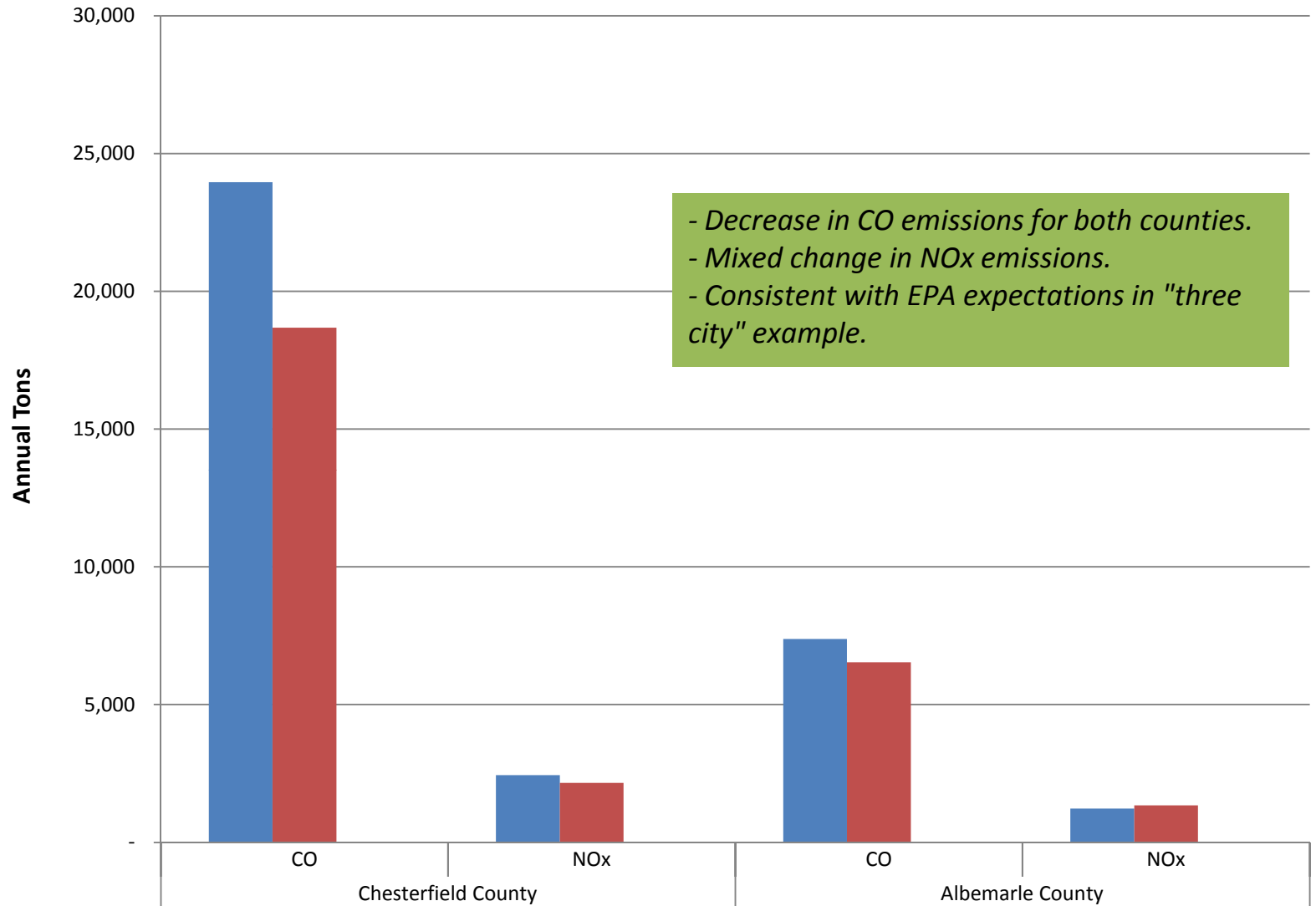
2011 Annual Emissions



- Decrease in CO emissions for both counties.
 - Increase in NOx emissions for both counties.
 - Consistent with EPA expectations for near term.

	Chesterfield County		Albemarle County	
	CO	NOx	CO	NOx
MOVES2010b	28,476	4,719	9,398	2,311
MOVES2014 (October Release)	24,591	5,092	9,380	2,701
Percent Change	-13.6%	7.9%	-0.2%	16.9%

2018 Annual Emissions



- Decrease in CO emissions for both counties.
 - Mixed change in NOx emissions.
 - Consistent with EPA expectations in "three city" example.

MOVES2010b	23,959	2,443	7,386	1,230
MOVES2014 (October Release)	18,684	2,159	6,534	1,348
Percent Change	-22.0%	-11.6%	-11.5%	9.6%