

Appendix I Emissions Analysis by County and Year

The following tables list the emissions analysis results by county, pollutant and year.

2010 - 12/13/09

2010 TOD	NOX Budget	NOX Model	NOX Difference	NOX Pass/Fail
Cabarrus	7,324	6,295	1,029	PASS
Gaston	7,647	6,002	1,645	PASS
Iredell	5,637	4,667	970	PASS
Lincoln	2,948	2,550	398	PASS
Mecklenburg	34,526	27,581	6,945	PASS
Rowan	7,193	6,205	988	PASS
Union	5,660	5,058	602	PASS

2010	VOC Budget	VOC Model	Difference	Pass/Fail
Cabarrus	6,941	5,501	1,440	PASS
Gaston	5,132	3,824	1,308	PASS
Iredell	3,601	2,923	678	PASS
Lincoln	2,726	2,208	518	PASS
Mecklenburg	26,368	20,421	5,947	PASS
Rowan	6,149	4,878	1,271	PASS
Union	6,299	5,227	1,072	PASS

2015 - 12/11/09

2015 TOD	NOX Budget	NOX Model	NOX Difference	NOX Pass/Fail
Cabarrus	7,324	4,088	3,236	PASS
Gaston	7,647	3,259	4,388	PASS
Iredell	5,637	2,699	2,938	PASS
Lincoln	2,948	1,685	1,263	PASS
Mecklenburg	34,526	15,138	19,388	PASS
Rowan	7,193	3,784	3,409	PASS
Union	5,660	3,727	1,933	PASS

2015	VOC Budget	VOC Model	Difference	Pass/Fail
Cabarrus	6,941	4,351	2,590	PASS
Gaston	5,132	2,888	2,244	PASS
Iredell	3,601	2,299	1,302	PASS
Lincoln	2,726	1,730	996	PASS
Mecklenburg	26,368	15,231	11,137	PASS
Rowan	6,149	3,634	2,515	PASS
Union	6,299	4,300	1,999	PASS

2025 - 12/12/09

2025	NOX	NOX	NOX	NOX
TOD	Budget	Model	Difference	Pass/Fail
Cabarrus	7,324	2,141	5,183	PASS
Gaston	7,647	1,793	5,854	PASS
Iredell	5,637	1,294	4,343	PASS
Lincoln	2,948	879	2,069	PASS
Mecklenburg	34,526	8,395	26,131	PASS
Rowan	7,193	1,928	5,265	PASS
Union	5,660	2,207	3,453	PASS

2025	VOC	VOC		
	Budget	Model	Difference	Pass/Fail
Cabarrus	6,941	2,705	4,236	PASS
Gaston	5,132	2,195	2,937	PASS
Iredell	3,601	1,510	2,091	PASS
Lincoln	2,726	1,076	1,650	PASS
Mecklenburg	26,368	11,004	15,364	PASS
Rowan	6,149	2,149	4,000	PASS
Union	6,299	2,884	3,415	PASS

2035 - 12/14/09

2035	NOX	NOX	NOX	NOX
TOD	Budget	Model	Difference	Pass/Fail
Cabarrus	7,324	2,026	5,298	PASS
Gaston	7,647	1,863	5,784	PASS
Iredell	5,637	1,157	4,480	PASS
Lincoln	2,948	800	2,148	PASS
Mecklenburg	34,526	8,503	26,023	PASS
Rowan	7,193	1,683	5,510	PASS
Union	5,660	2,123	3,537	PASS

2035	VOC	VOC		
	Budget	Model	Difference	Pass/Fail
Cabarrus	6,941	3,148	3,793	PASS
Gaston	5,132	2,581	2,551	PASS
Iredell	3,601	1,971	1,630	PASS
Lincoln	2,726	1,292	1,434	PASS
Mecklenburg	26,368	12,415	13,953	PASS
Rowan	6,149	2,451	3,698	PASS
Union	6,299	3,487	2,812	PASS

2015 - LRTP 12/14/09

2015 TOD	CO Model
Cabarrus	
Gaston	
Iredell	
Lincoln	
Mecklenburg	318,223
Rowan	
Union	
Region	

CO Budget Comparison

2015 TOD	CO Budget	CO Model	CO Difference	CO Pass/Fail
Cabarrus				
Gaston				
Iredell				
Lincoln				
Mecklenburg	470.2	350.8	119.4	PASS
Rowan				
Union				

Kg->Tons Constant 907.1847

2025 - LRTP 12/12/09

2025 TOD	CO Model
Cabarrus	
Gaston	
Iredell	
Lincoln	
Mecklenburg	305,214
Rowan	
Union	
Region	

CO Budget Comparison

2025 TOD	CO Budget	CO Model	CO Difference	CO Pass/Fail
Cabarrus				
Gaston				
Iredell				
Lincoln				
Mecklenburg	470.2	336.4	133.7	PASS
Rowan				
Union				

Kg->Tons Constant 907.1847

2035 - LRTP 12/14/09

2035 TOD	CO Model
Cabarrus	
Gaston	
Iredell	
Lincoln	
Mecklenburg	334,527
Rowan	
Union	
Region	

CO Budget Comparison

2035 TOD	CO Budget	CO Model	CO Difference	CO Pass/Fail
Cabarrus				
Gaston				
Iredell				
Lincoln				
Mecklenburg	470.2	368.8	101.4	PASS
Rowan				
Union				

Kg->Tons Constant 907.1847