Pathways to the Future
AIR QUALITY

Comprehensive Climate Action Plan

September 25, 2025

PlanRVA
Where the region comes together to look ahead.

www.RVA-AirQuality.org

PlanRVA Strategic Vision & the Air Quality Plan

- Strategic & Resilient Infrastructure
- Healthy Environment
- Attainable Housing
- Strong Economy
- Opportunity & Choice for Everyone

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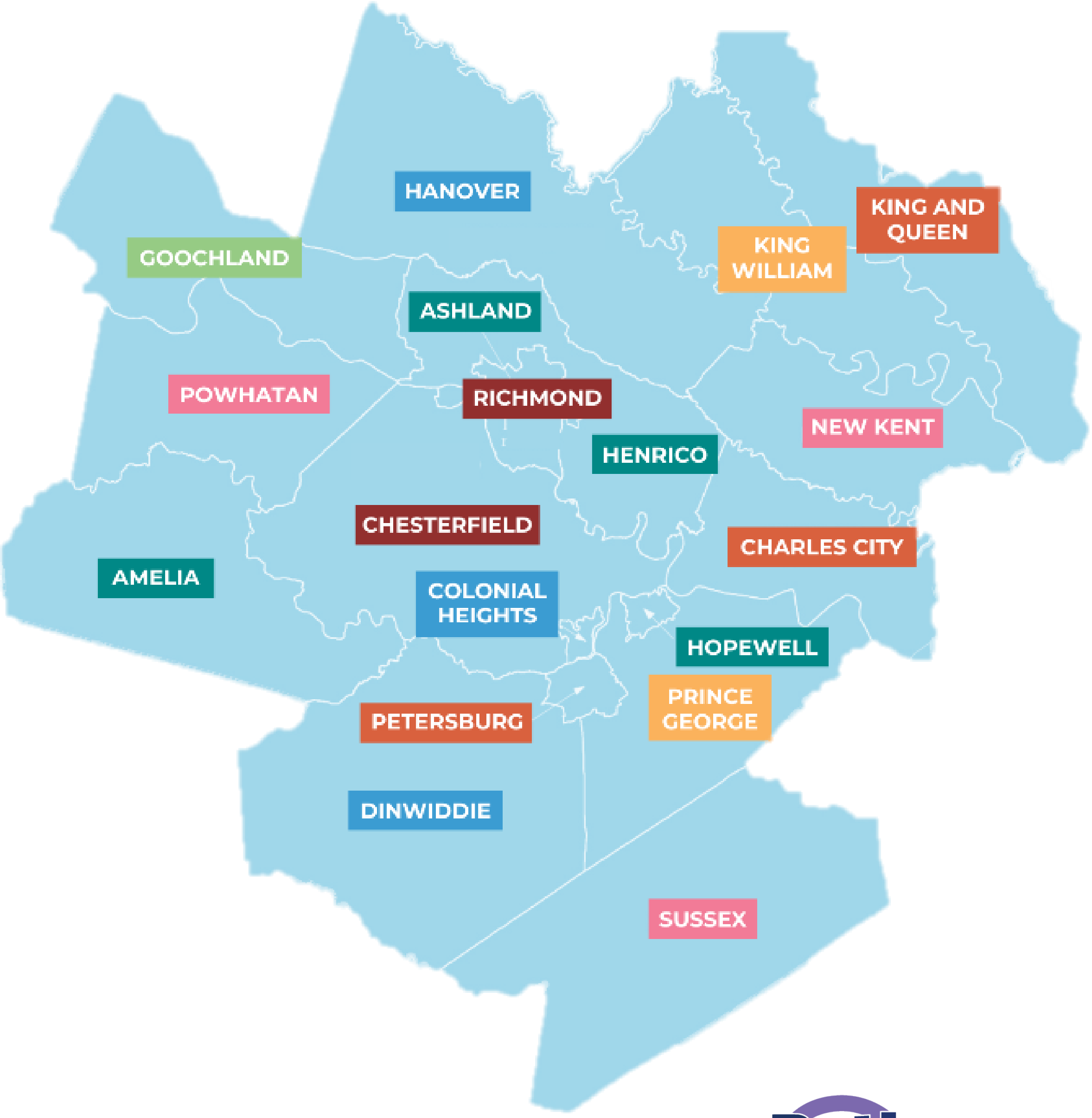
Richmond MSA Plan Benefits

- Data
  - GHG inventories
  - emissions projections
  - More
- Regional plan with menu of strategies
- Direct PlanRVA Resilience Priorities going forward



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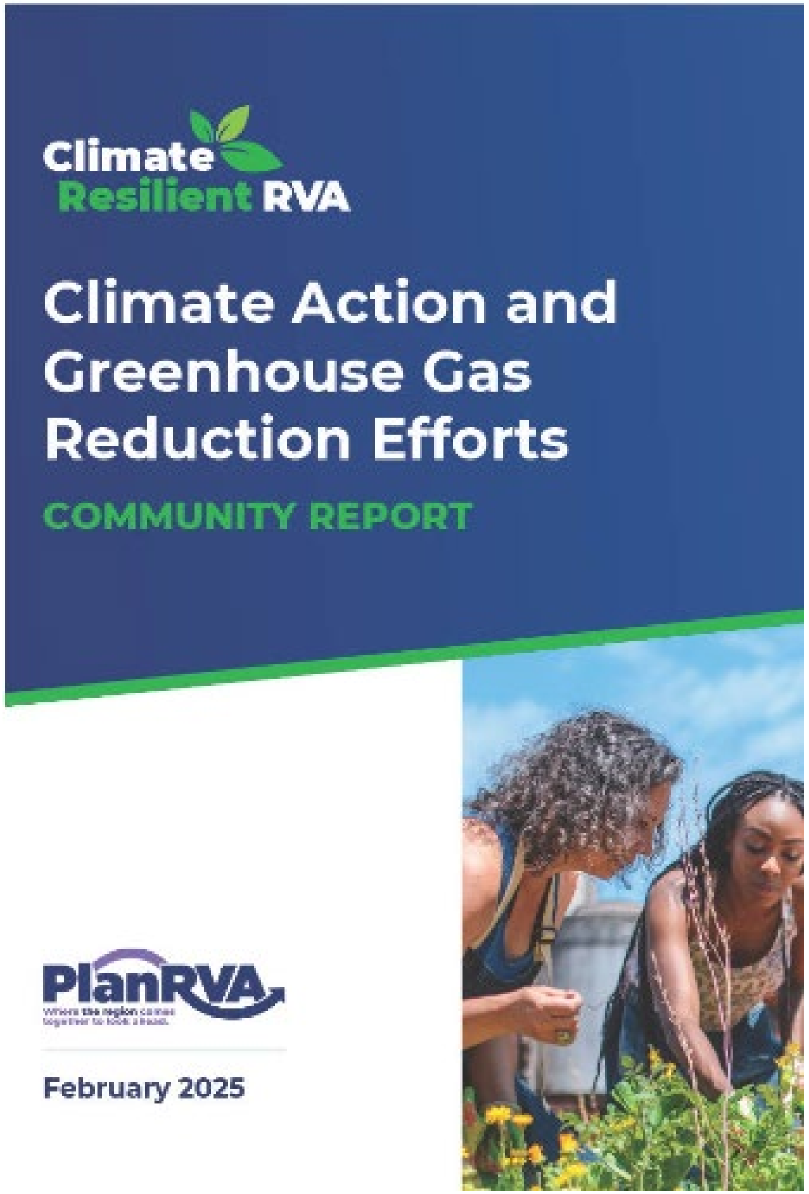


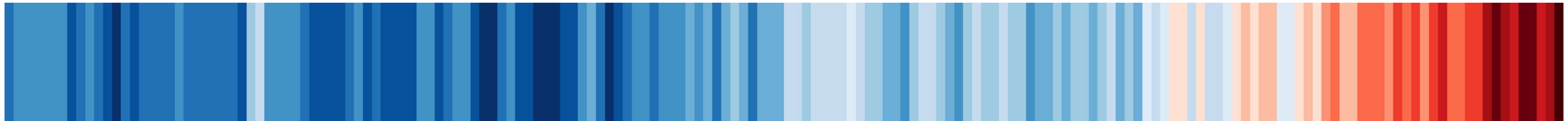
www.RVA-AirQuality.org/documents

238
Community Organizations Engaged

1,760
Total Survey Responses

21
Community Focus Groups

39
Interviews at Public Libraries



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Timeline

- **Grant awarded to PlanRVA**
  August 2023
- **First Round Public Engagement**
  Winter/Spring 2024
- **Priority Climate Action Plan Published**
  March 2024
- **Second Round Public Engagement**
  Summer/Fall 2024
- **Stakeholder Workgroups**
  Fall 2024
- **Draft Review**
  We are here!
- **Final Plan Delivered**
  December 1, 2025

What's Next?

- Extract and Track PlanRVA Emissions
- Project Engagement Page Buildout
  - Measure tracking
  - Highlight progress from localities
- 2027 – Status Report to EPA
  - Emissions & Workforce Analyses

Remaining Feedback Schedule

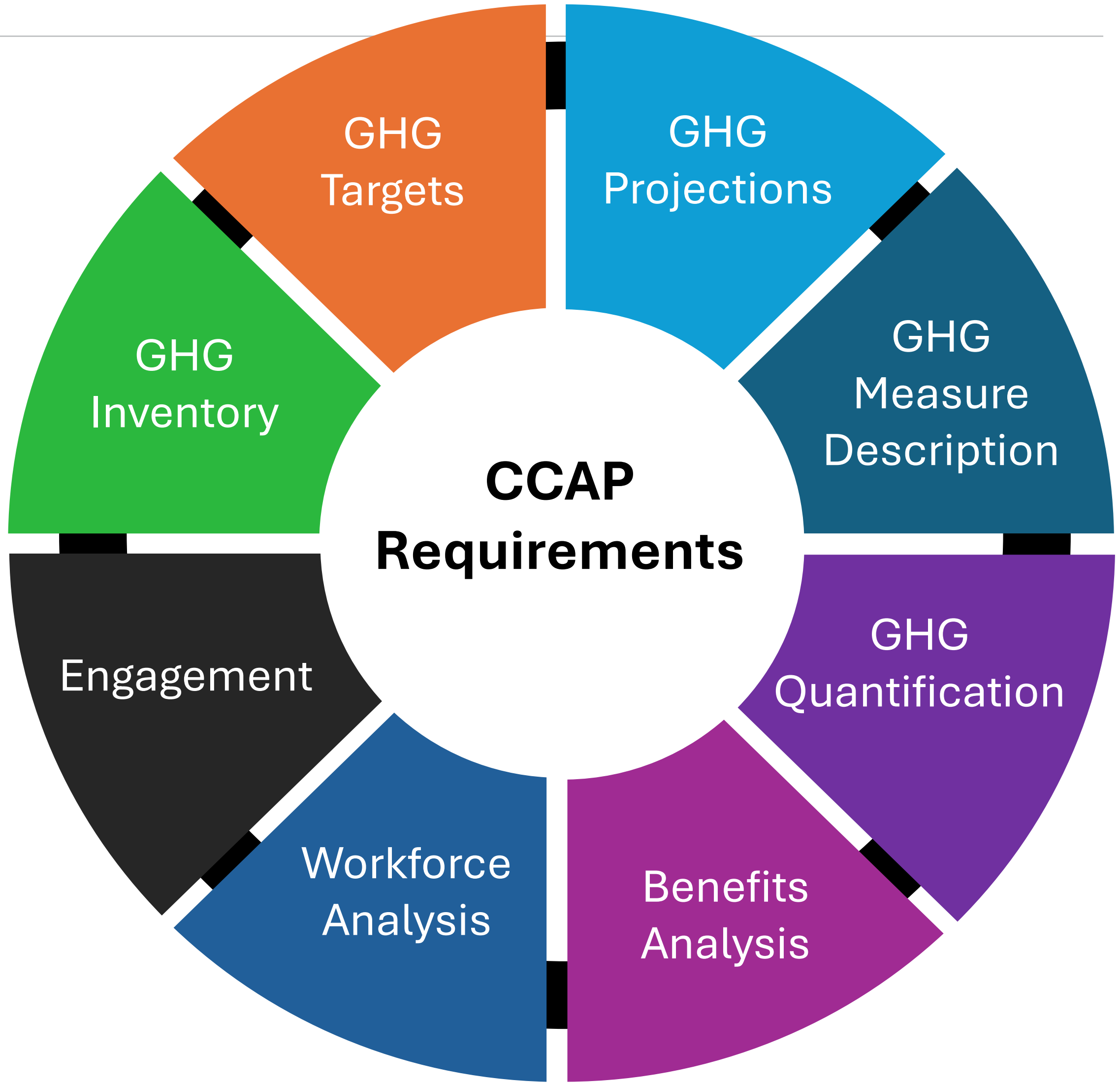
Action/Item	Notes	July				August				September					October				November				25-Dec
		7-Jul	14-Jul	21-Jul	28-Jul	4-Aug	11-Aug	18-Aug	25-Aug	1-Sep	8-Sep	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec
First CCAP draft	- Include background sections, inventory, BAU, measure template with draft actions.		*deliver on 7/17																				
Second CCAP draft	- Include full draft of measures, initial GHG modeling results write-up and draft workforce assessment (if ready).																						
SC/Localities to Review the draft	Open for 5 weeks (8/21-9/30)							*open 8/21-9/30															
Interim CCAP draft	-Incorporate locality																						
Public Comment Period	Open for 2 weeks (10/13-10/27)															*open 10/13-10/2							
Third CCAP draft	- Incorporate feedback. - Complete all sections, workforce and benefit analysis, technical appendices. - PlanRVA to provide images and any other media to include.																		*deliver on 11/3				
SC/Localities to Review the draft	Open for 1 week 10/27-11/10																	*open 10/27-11/10					
Final CCAP draft	- Final editing and proofing.																				*deliver on 11/3		
SC Final Approval	SC Meeting																						
CCAP Submission	- PlanRVA to internally wrap up and submit by 12/1, ICF can support final formatting as needed.																				Aim to Submit (before hoilday		*Due Date

Questions?

Plan Requirements

6 Sectors

- Natural & Working Lands
- Buildings
- Energy Production
- Industry
- Transportation
- Waste



Regional Data

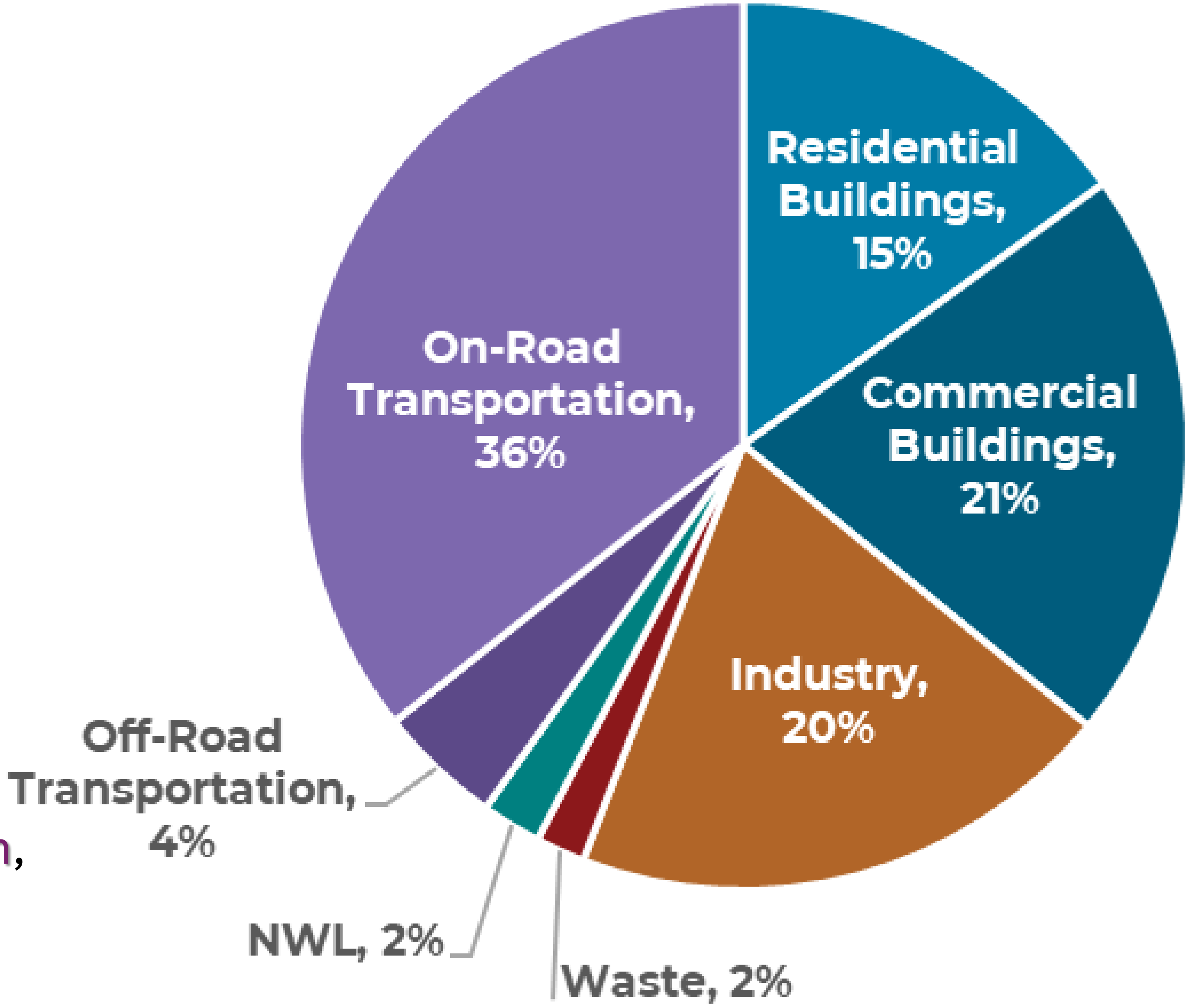
Emissions presented through 2 lenses:

- Consumption-based
- Generation-based

Total Gross Emissions: 22.3 MMTCO_2e
Total Net Emissions: 17.2 MMTCO_2e

MSA sequesters ~5 MMTCO_2e/yr

Major sources: On-Road Transportation, Buildings, and Industry



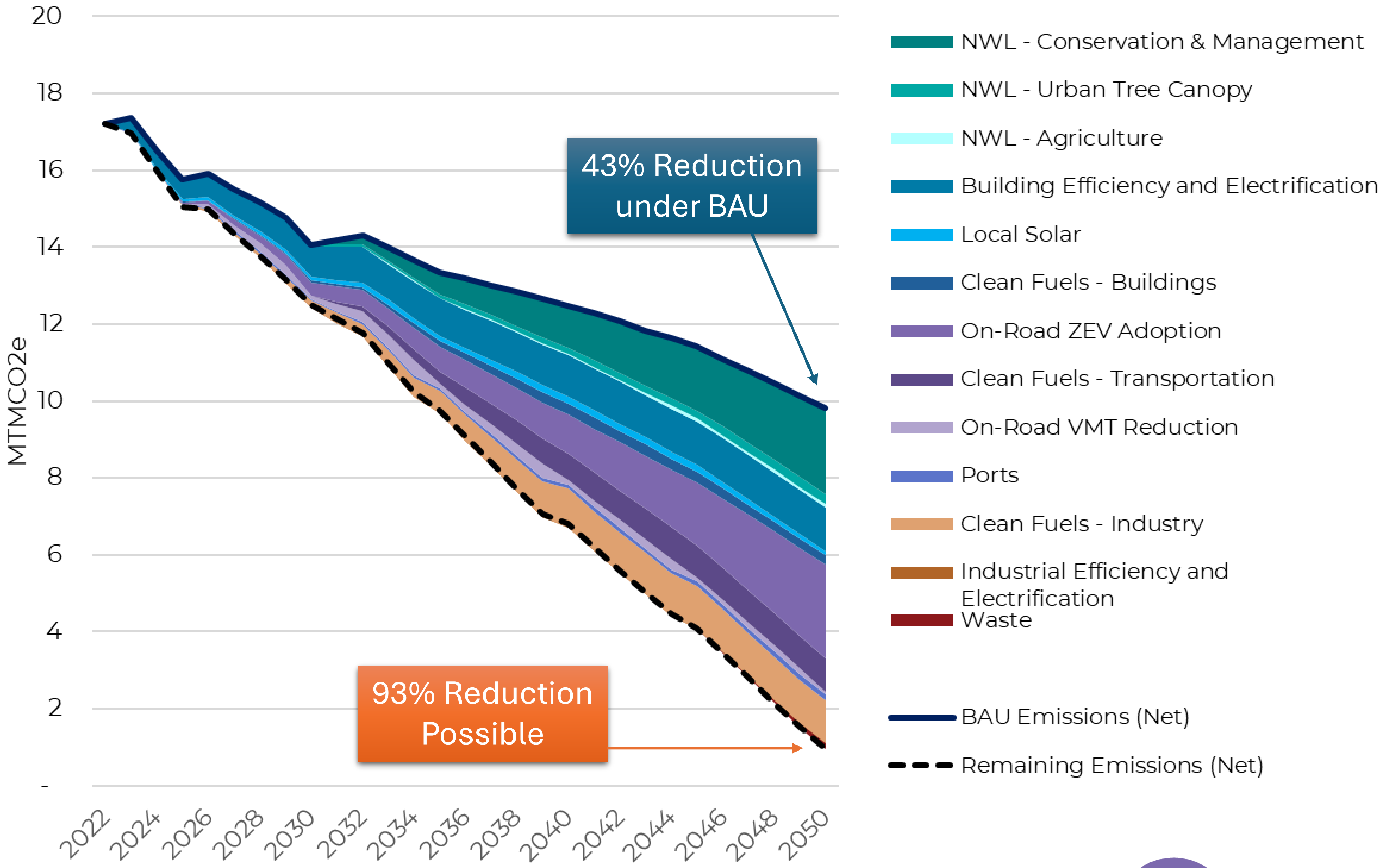
MSA Gross Emissions, 2022

Regional Data

Co-Pollutants (CAPs), in MT

Category	CO	NOx	VOC	PM10	PM2.5	SO2	NH3
Agriculture	19,362	1,424	96,523	3,987	2,146	121	3,496
Industrial Processes	2,640	2,545	11,967	7,098	1,922	757	638
Transportation	101,098	10,746	6,609	940	488	64	818
Buildings	15,113	6,772	1,985	4,055	3,791	482	416
Waste	8,629	409	1,492	1,350	1,165	214	595
Other	327	8	83	4,189	772	1	-
Total	**147,170**	**21,902**	**118,659**	**21,618**	**10,285**	**1,638**	**5,962**

Comparing Business-As-Usual to What's Possible



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Measures

Building
s

- Improve energy efficiency and reduce emissions in residential and commercial buildings

Energy

- Transition to renewable energy sources like solar, wind, and geothermal to reduce the region's reliance on fossil fuels.

Industry

- Implement cleaner technologies and incentivize industries to reduce emissions through carbon capture and other methods.

Measures

Natural & Working Lands	• Promote sustainable agriculture practices and protect green spaces to reduce emissions from land use
Transportation	• Increase/expand opportunities to reduce vehicle miles traveled through micro-mobility options and infrastructure
Waste	• Expand recycling, composting, and waste diversion programs to reduce landfill emissions

GHG Reduction Targets

- 2030 Target – track BAU projected 22% reduction
- Solar generation goal to add ~2GW by 2050
  - Equivalent to ~ 1 million residential rooftops by 2050 or 30,000 commercial distributed solar projects
- 2050 *Net Zero*