Cloverly PROJECT

Recycling Roadways For Carbon Emission Reductions - Midstate Reclamation and Trucking

Recycled Asphalt

United States of America

Avoidance

Verra

Global Emissionairy quantifies carbon emission reductions in roadway reconstruction using a cradle-to-installation life cycle analysis from its Verra-approved methodology (VM0039).

Available Inventory	1 vintage
2021	Contact for price

The vintage of a credit represents the year within which the credit was produced. When there are repeating vintages on a project, this is most likely due to multiple issuances within the same year. These are sometimes priced differently because of different delivery dates.

For more questions, please reach out to:
tim@globalemissionairy.com

Technology

Methodology: Recycled Asphalt

Mechanism: Avoidance

Registry

Registry: VERRA

Project ID: VCS3616

U.N. Sustainable Development Goals

Overview of UN SDGs

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

Location

Hettinger County, United States of America

North America

Project Media




Full Description

Global Emissionairy works to reduce the carbon footprint of the paving industry. Pavement organizations partner with Global Emissionairy to generate carbon credits for recycling pavement with cold in place recycling (CIR), cold central plant recycling (CCPR), and full depth reclamation (FDR) using reclaimed aggregate pavement (RAP), asphalt emulsions, and foam stabilized asphalt base (FSAB or FSB). Global Emissionairy quantifies carbon emission reductions in a cradle-to-installation life cycle analysis (LCA) using its Verra-approved methodology (VM0039) and patented process (US 10,870,953 B2) and converts these reductions into verified carbon units (VCUs) which can be traded on the voluntary carbon market.

Global Emissionary's Verra Approved VM0039 methodology credits sustainable roadway construction with these key environmental factors in mind.

Reduced energy consumption: Eliminate the need for extensive heating of materials, as required in traditional hot mix asphalt methods. This significantly reduces energy consumption and associated greenhouse gas emissions.

Preservation of natural resources: Reusing existing pavement materials reduces the demand for new aggregate and asphalt, thus preserving natural resources.

Minimization of waste: By recycling existing pavement materials on-site, minimizing the need for disposal in landfills and reducing the environmental impact of waste management.

Lower carbon footprint: Due to reduced energy consumption, preservation of natural resources, and minimized waste generation, recycling existing pavement results in a lower overall carbon footprint compared to conventional road construction methods.

Project Midstate Reclamation: Sustainable construction methods were utilized to reclaim 420 lane miles of roadways in the midwestern United States saving a verified 28,915 tons of CO2 from entering the environment. The road work was performed in the following locations with the corresponding emissions reductions in tCO2e.

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Full Description (continued)

Wyoming, MN -228
Storm Lake, IA-521 Woolstock, IA -898 Zearing,IA-2,515 Boone, IA-764
Spring Valley, MN-2,057
Austin, MN-861
Hettinger, ND-2,843
Decherd, TN-950
Valparaiso, IA-1,474
Farnhamville, IA-2,508
Delta, IA-725
Hibbing, MN-1,107
Le Sueur, MN-1,391
Ireton, IA -916
Eden Prairie, MN-929
Redwood Falls, MN-276 Spring Creek, TN-1,120 Shelly, MN-1,825 Hill Top-1,412 Nyack, MT-749 Wells, ND-575 Le Mars, IA-416 New York Mills, MN-1855

Why Purchase Our Credits?

By supporting this project, companies play an integral role in ensuring the road network their businesses rely upon are built through eco-conscious methods. Join us in paving the way for a greener tomorrow. Purchase carbon credits that take part in supporting roadways built with the environment in mind.