

HIGHLIGHTING ENVISION CREDITS



CR1.3 Reduce Air Pollutant Emissions



**Institute for
Sustainable
Infrastructure**



ENVISION™



Envision includes 64 sustainability and resilience indicators, called 'credits', organized around five categories.

CREDIT HIGHLIGHT

CR1.3

Reduce Air Pollutant Emissions



CREDIT INTENT

Reduce emissions of air pollutants: particulate matter (including dust), ground-level ozone, carbon monoxide, sulfur oxides, nitrogen oxides, lead, and volatile organic compounds.



METRIC

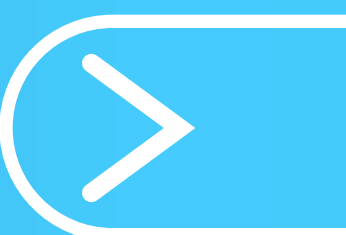
Reduction of air pollutants compared to baseline.



CLIMATE AND RESILIENCE: EMISSIONS

WHAT DOES THIS CREDIT ADDRESS?

Criteria pollutants, which include carbon monoxide, nitrogen oxides, sulfur dioxide, suspended particulate matter smaller than PM-10, ozone, lead, and volatile organic compounds.



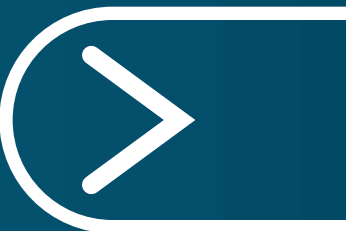
WHY IS THIS IMPORTANT?

- ▶ These pollutants damage *human health*, property, and the environment.
- ▶ Those most at *risk* are children, the elderly, and people with lung diseases such as asthma, chronic bronchitis, and emphysema.
- ▶ Dust and odors also can cause a *nuisance* for nearby residents, reduce property values, and aggravate the aforementioned lung conditions.



Terminology Clarification:

Note that use of the terms, or variations of the terms “best available control technology” and “lowest achievable emissions rates” within this credit have no relationship to U.S. EPA guidelines with similar names. These terms should be interpreted at face value.



CR1.3

Reduce Air Pollutant Emissions

Guides project teams to:

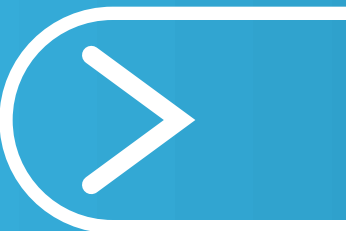
1. Demonstrate that the project meets all relevant minimum air quality *standards and regulations*.
2. Estimate the extent to which the project will *reduce air pollutant emissions* during operations.

CR1.3

Reduce Air Pollutant Emissions

Guides project teams to:

3. Include the ongoing *monitoring* and management of direct air pollutant emissions.
3. Assess the *materiality of volatile organic compounds* (VOCs) to the health of construction workers and the project operators, and limit their use.





IN PRACTICE

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The North Rock Solar Project is expected to result in a significant reduction of greenhouse gas emissions, including CO₂, when compared to the air emissions that may occur without the development of the project. A net reduction of 71.089 tons per year (tpy) of air pollutant emissions is forecast with this project. The North Rock Solar Project is part of Alliant Energy's WPL Solar Program that will add nearly 1,100 MW of solar generation in Wisconsin by the end of 2024. The 12 solar projects are a key initiative of Alliant Energy's Clean Energy Blueprint, which serves as a roadmap to accelerate its transition to renewable energy.

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Learn more at sustainableinfrastructure.org