

Product Description / Abstract Sustainable and healthy communities project 3.3.1 "Integrated Management of Reactive Nitrogen" aims to comprehensively examine the cascade of environmental economic and human health problems stemming from excess reactive N. Our goals are to improve understanding of the impacts of N pollution and interacting co-pollutants on ecosystem condition and services, to better characterize N sources and provide source information to decisionmakers and to increase confidence in modeling associated with N sources, effects and the interaction with climate, in order to identify successful and sustainable solutions to the problems of excess reactive nitrogen. Products include a synthesis of all N loads to the US by sector, national CMAQ multipollutant scenarios based on new transport rule and new ozone standards, a review of policy and management tools for reducing nutrients, workshop report/journal article on the interactive impacts of nitrogen deposition and climate change on ecosystems and ecosystem services and a report on N deposition critical loads, sensitive ecosystems and biota, and connections to ecosystem services for informing the review of National Ambient Air Quality Standards (NAAQS).