

Nr Management Recommendations

1. Form an *Interagency Task Force on Managing Nr* that builds upon existing Nr efforts within the Agency, with the main purpose being to identify the most cost-effective approaches to avoid the negative impact of Nr loads cascading through the environment because it poses significant threats to human health and environmental quality, and is a powerful driver of climate change.

2. Form an *Interagency Task Force on the Management of Nr*, with EPA as the lead agency, and including at a minimum representation from USDA, DOE, DOD, DOT, NOAA, USGS, and appropriate state agencies with responsibility to coordinate federal programs that address Nr concerns and help ensure clarity of leadership roles for specific functions in monitoring and modeling, researching, and regulating Nr in the environment across industrial sectors, media (land, air, water), Nr species (N₂O, NO_x, NH_x), and federal/state environmental statutes (CC, air quality, water quality, etc).

3. Both of these efforts incorporate an adaptive approach
Structured, iterative set of procedures involving relevant stakeholders, for decision-making on complex systems under uncertainty

4. Should address the following elements
 - Research and science in support of integrated Nr management (critical loads; Nr budgets and life cycle accounting; systemwide modeling; monitoring needs; new technologies; fertilizer and nutrient BMPs; climate change/combined C and N effects; indicators/endpoints, costs, benefits and risks associated with the impairment of human health and decline and restoration of ecosystem services)

 - The need for new regulations (and acceleration/extension of existing regs) and standards (e.g. CAIR, uncontrolled EGUs)

 - New indicators (e.g. combined NO_y/NH_x, ecological responses)

 - Education, Outreach, and Communication

 - Economic incentives (markets, taxes, subsidies)

 - New infrastructures (e.g. stormwater control, Nr treatment)

 - New legislation and extension of existing legislation (Farm Bill, Transportation, EISA, CAA, CWA)