

MINNESOTA ENVIRONMENTAL QUALITY BOARD

Governor's Executive Order 11-32
Environment and Energy Report Card
Metrics Review
10-17-2012

Land Section - Metrics

- ▣ Percent of land in major land-use categories
- ▣ Percent of cropland managed using conservation tillage
- ▣ Percent of cropland in grassland and wetland conservation programs
- ▣ Percent of forest land in different management categories (timber management, reserves, etc.)
- ▣ Abundance of wetlands in Minnesota
- ▣ Population levels of seven selected wildlife species
- ▣ Solid waste management metric

Water Section - Metrics

- ▣ Gallons of water used by major use category
- ▣ Nitrate levels in community drinking water systems
- ▣ Status of watershed monitoring in Minnesota
- ▣ Percentage of lakes and streams meeting water quality standards
- ▣ Clarity changes in Minnesota lakes
- ▣ Total suspended solid concentrations in the Mississippi River (above and below Minnesota River confluence)
- ▣ Changes in municipal wastewater phosphorous discharges
- ▣ Rate of growth of water bodies infested with Zebra Mussels (in the Upper Great Lakes States)
- ▣ Population trends for selected fish species

Energy Section - Metrics

- ▣ BTU consumption per capita, and per \$ GSP
- ▣ Energy consumption by end use sector
- ▣ Energy consumption by energy type
- ▣ Electricity consumption by source (2000 vs. 2010)
- ▣ Renewable energy consumption by source
- ▣ Transportation fuel consumption and ethanol production and consumption
- ▣ Renewable energy generation
- ▣ Energy efficiency in electricity and natural gas

Climate Section - Metrics

- ▣ Greenhouse gas emissions by economic sector
- ▣ Per capita greenhouse gas emissions
- ▣ Average annual temperature
- ▣ Changes in heavy precipitation
- ▣ Dew point indicator
- ▣ Ice-in/ice-out dates indicator

Air Section - Metrics

- ▣ Minnesota Air Quality (over last 10 years, as a percent of National Ambient Standard)
- ▣ Number of Air Quality Alert Days (since 2006)
- ▣ Point source air emissions (since 1999)
- ▣ Mercury emission reductions (since 2005)
- ▣ Major sources of air pollution