

Regional Haze Stakeholder Meeting

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**Minnesota Pollution
Control Agency**

Emission Projections

Accounting for New Sources

- Future year modeling uses emissions estimates that attempt to account for new, retired, and expanding sources and expected controls
- Based primarily on IPM model for utilities and EGAS model for other categories
- RPOs have adjusted both models to try to improve projections, but they will never be perfect
- In MN we have focused on verifying utility and taconite projections
- Taconite projections are in line with proposed new projects



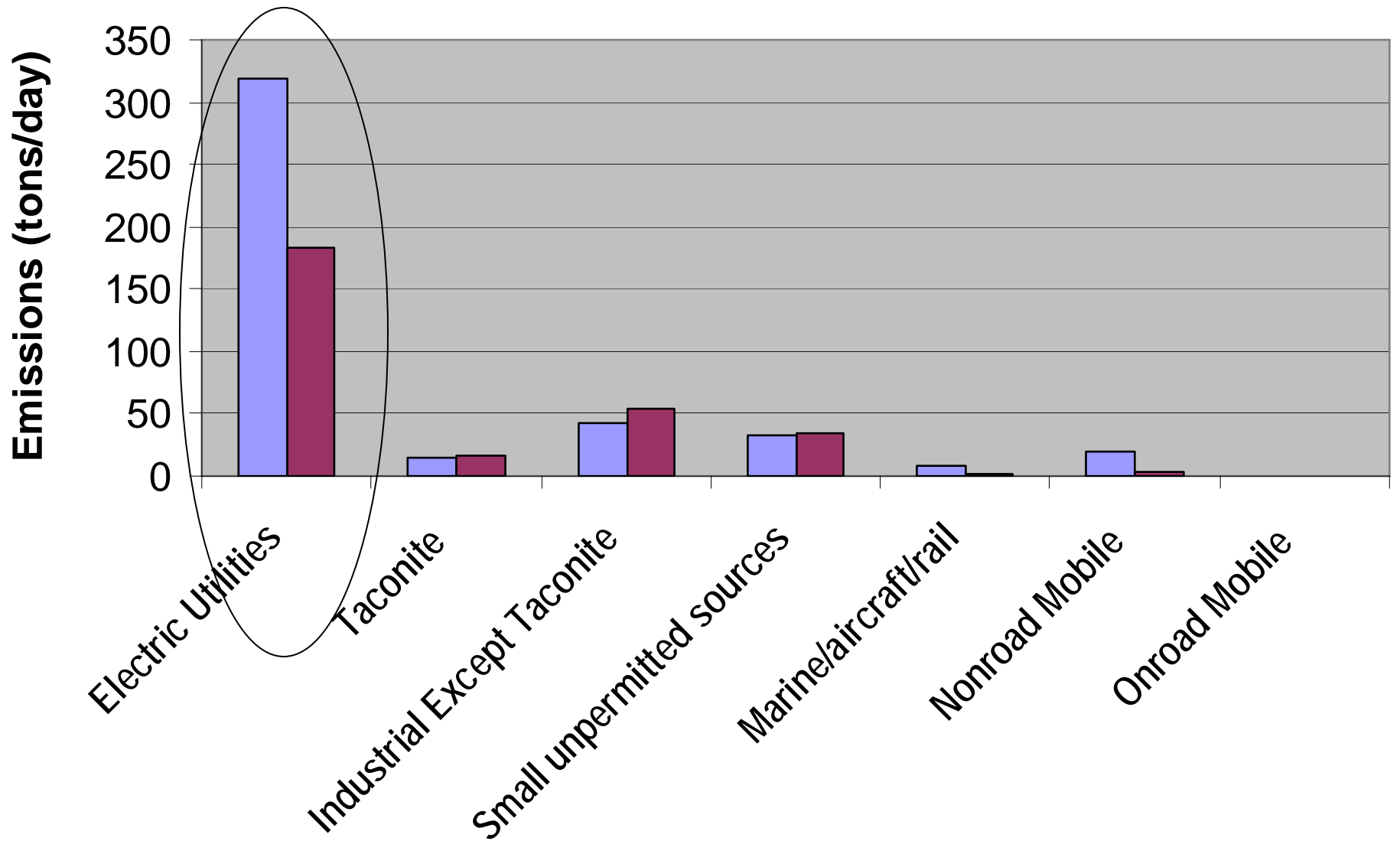
EGU Adjustments

- “On the books” controls include CAIR and BART for states outside the CAIR region (ND)
- Also hand adjusted IPM outputs to include more recently announced projects including Xcel projects (MERP and Sherco), and MPL projects (Taconite Harbor and Boswell 3)
- Following charts do not yet reflect Sherco project and any additional reductions at Boswell beyond unit 3



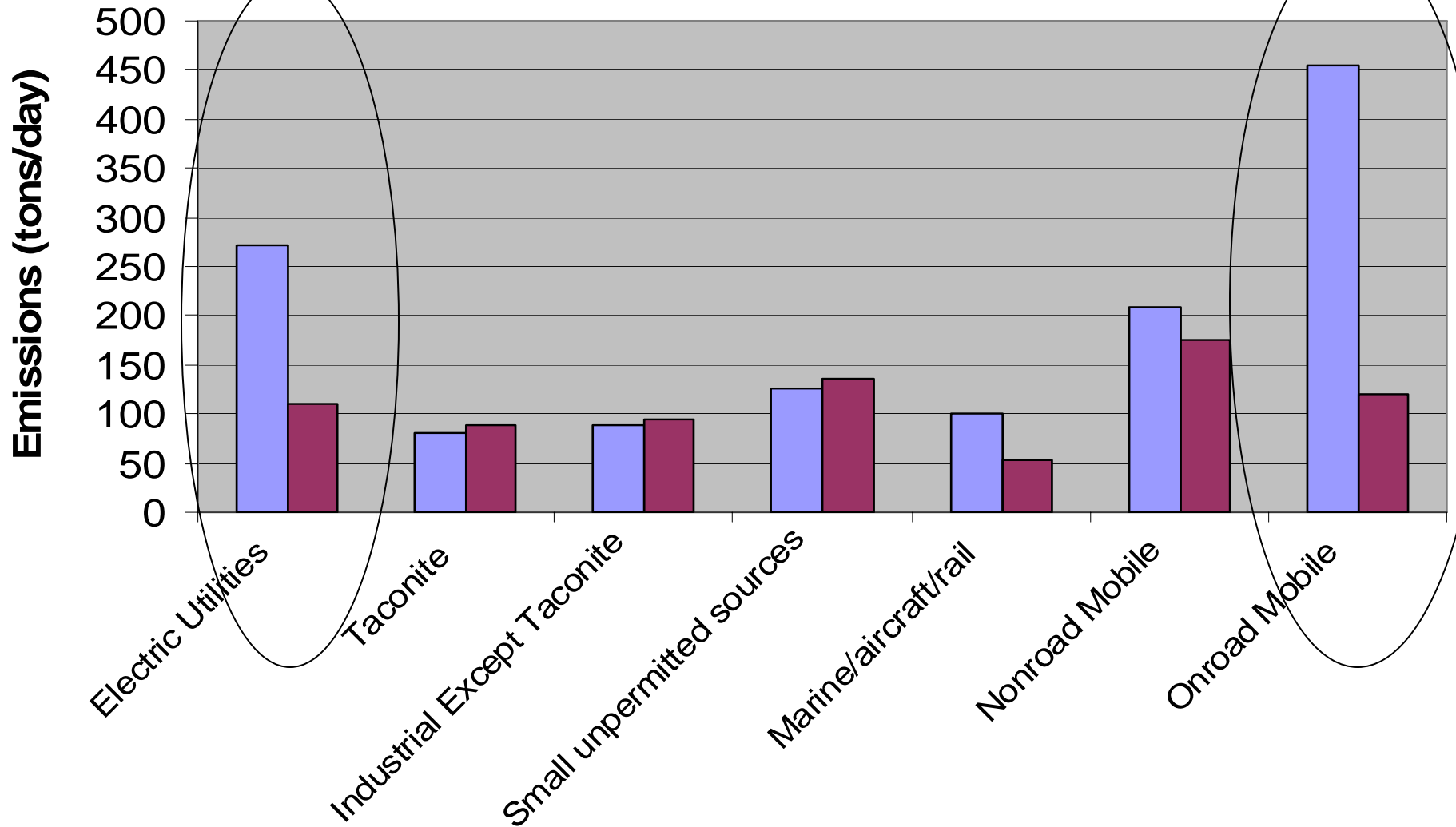
Projected SO2 Emissions by Sector (summer day, MRPO base K)

2002 SO2 2018 SO2



Projected NOx Emissions by Sector (summer day, MRPO base K)

2002 NOx 2018 NOx



For the Future

- Review findings of the ECR control strategies contract – look for any additional cost – effective controls
- Continue to improve emission predictions and predictions of visibility impacts
- Integrate above and check progress to goal
- Perfect new source review process
- Develop regional implementation policy
- Develop rules where needed



Next Meeting

- April
 - Review ECR findings
 - Report on further technical work
 - Opportunity for input from stakeholders on their efforts to reduce PM and an opportunity to suggest regulatory policy
 - Begin discussion on “closing the circle” on regional policy and state SIP

