

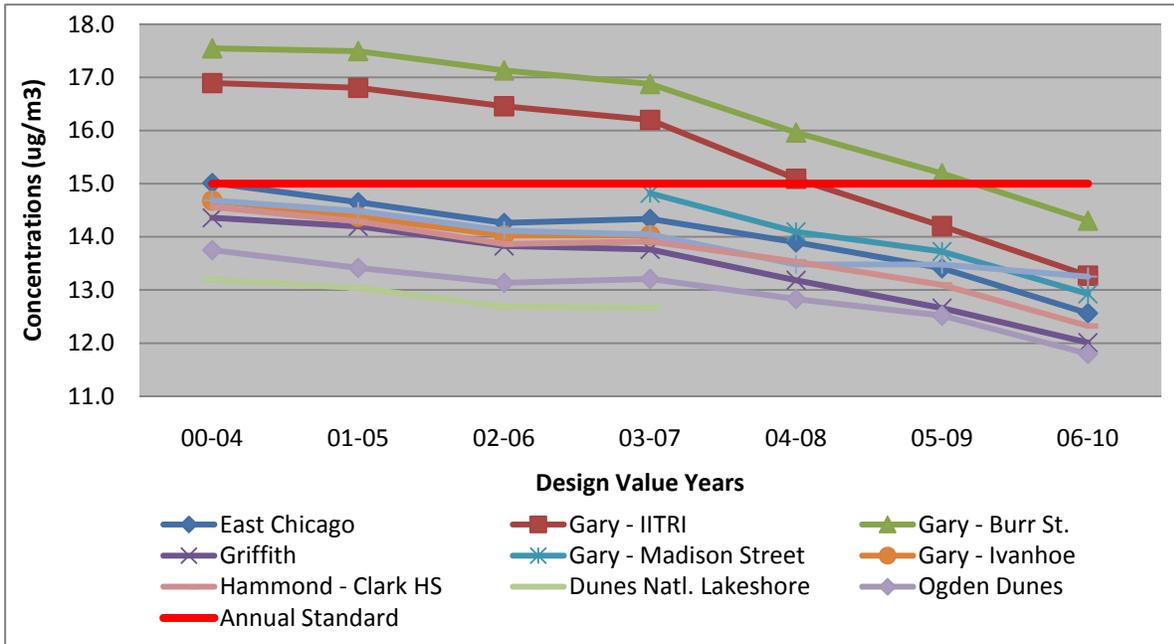
APPENDIX J

Modeling Summary

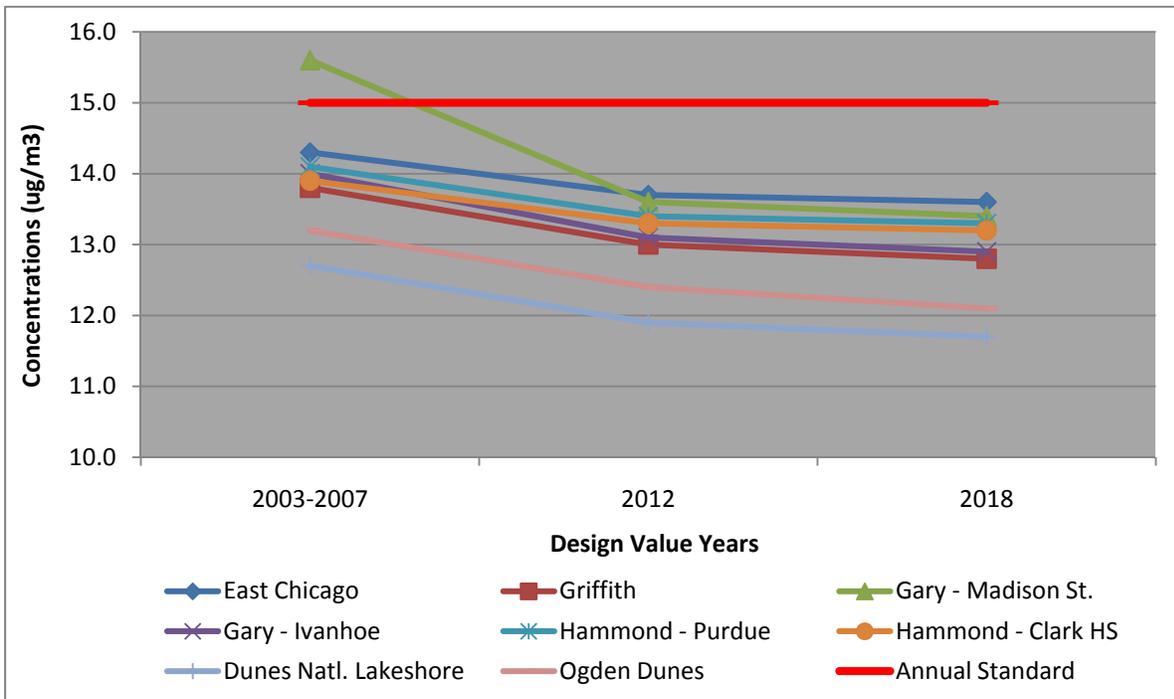
- **PM_{2.5} Design Value Trends**
- **Lake Michigan Air Directors Consortium (LADCO) Modeling Results for Lake and Porter Counties, Indiana**
- **Regional/Emission Sector Particulate Source Apportionment Technology (PSAT) Results for Lake and Porter Counties, Indiana**
- **Speciated Contributions to PM_{2.5} Concentrations in Lake and Porter Counties, Indiana**
- **Distribution of PM_{2.5} Concentration Days using Air Quality Index (AQI) Levels**

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PM_{2.5} Design Value Trends for Lake and Porter Counties, Indiana, 2000 through 2010

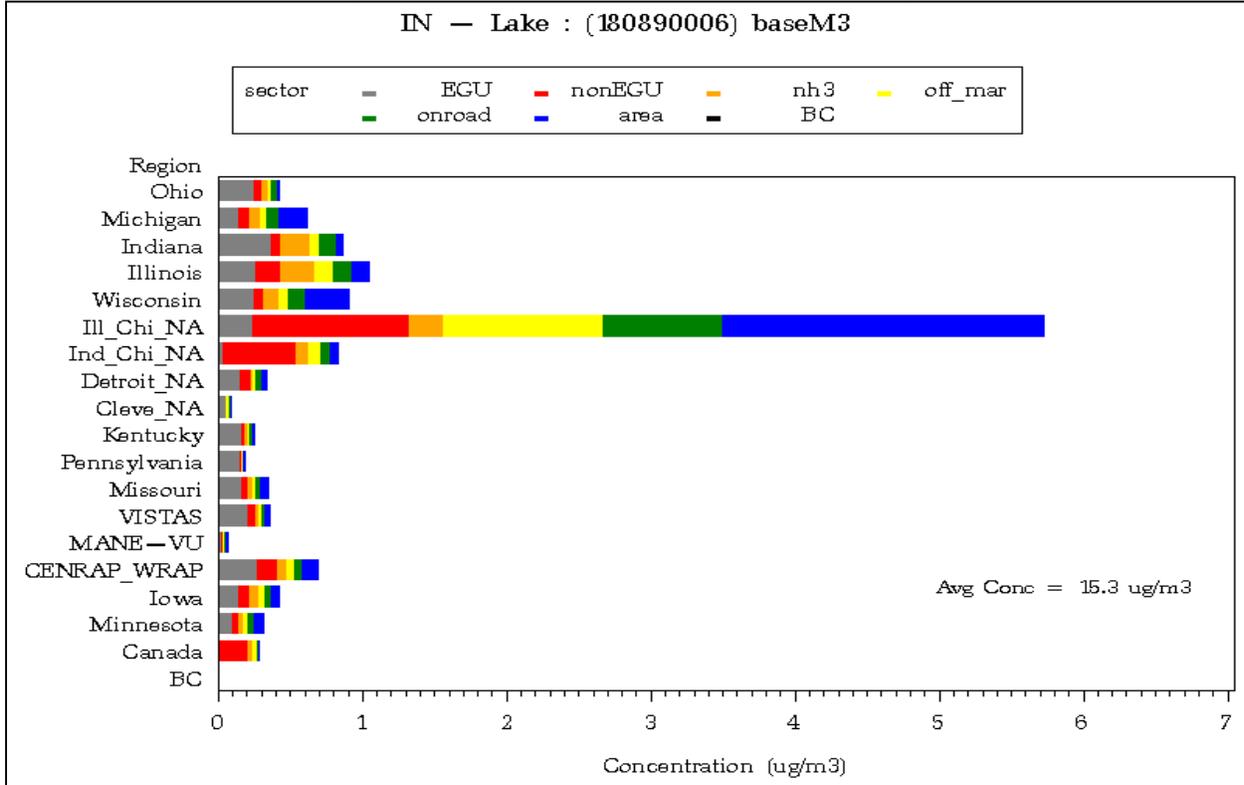


LADCO Round 6 Modeling Results for Lake and Porter Counties, Indiana for 2015 and 2018

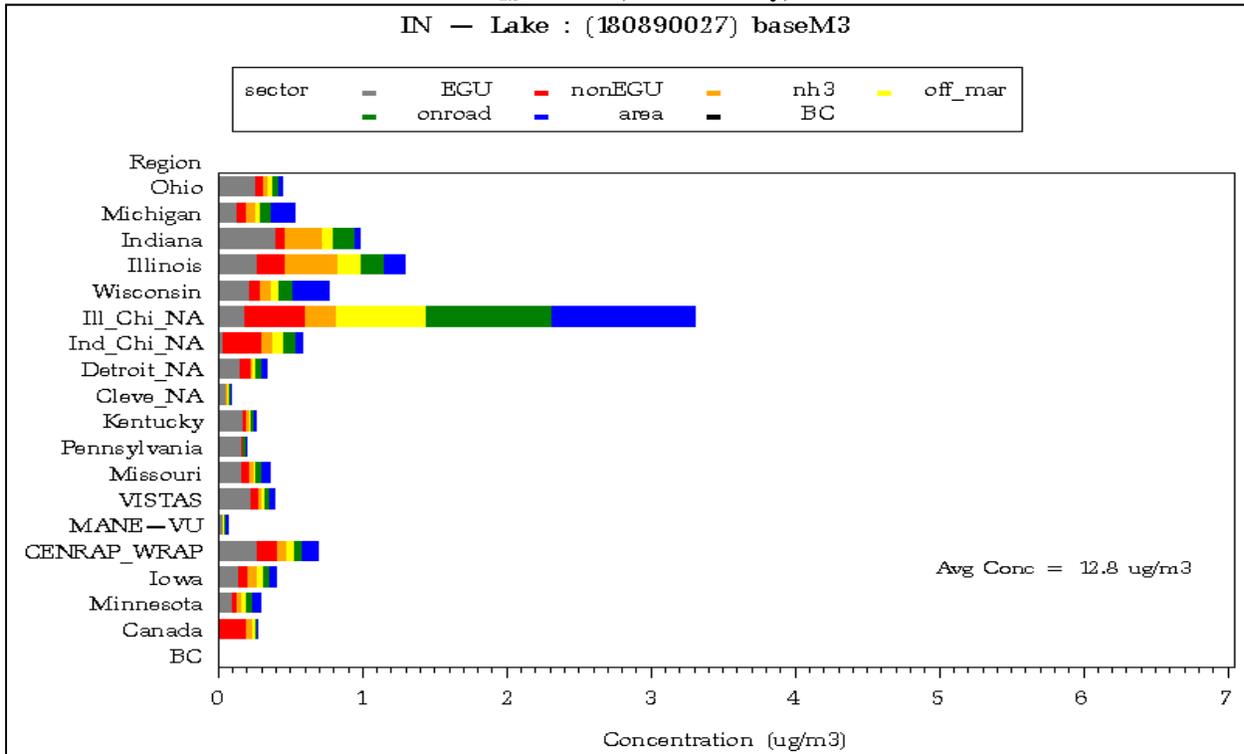


Regional/Emission Sector PSAT Results

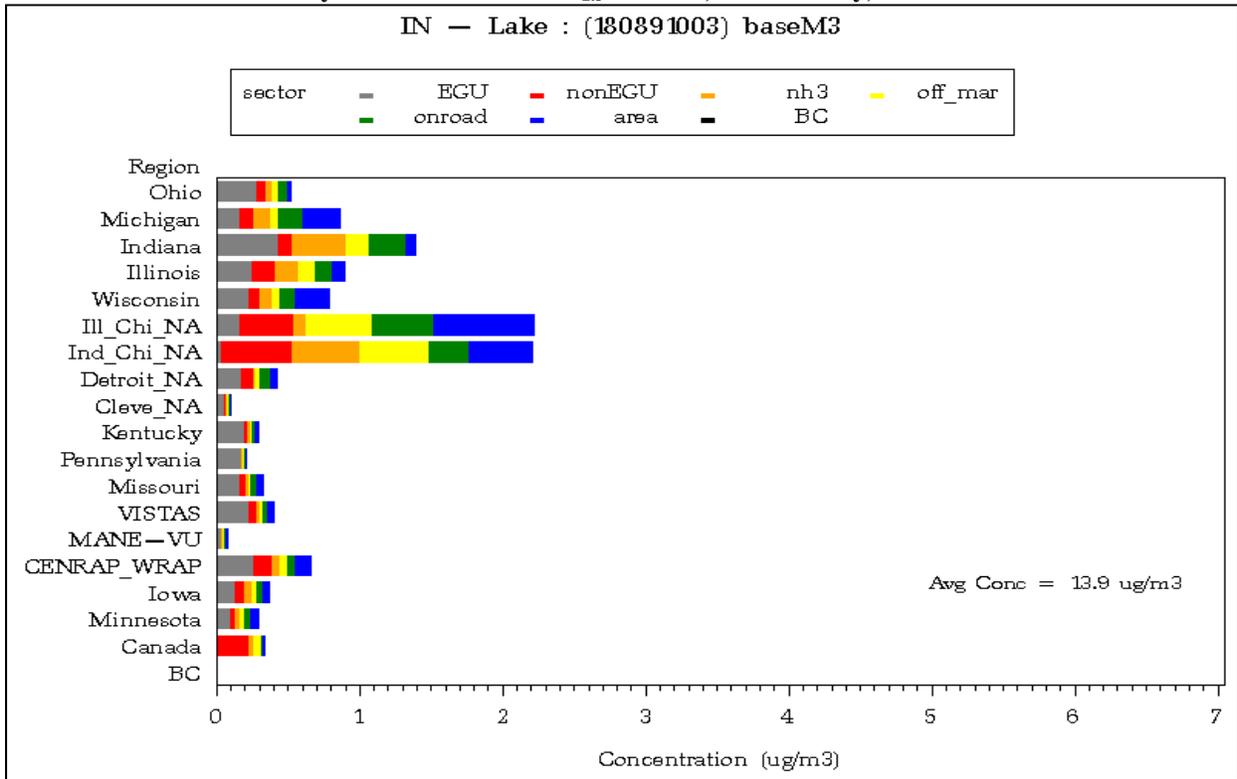
East Chicago – Franklin School PM_{2.5} Monitor, Lake County, Indiana



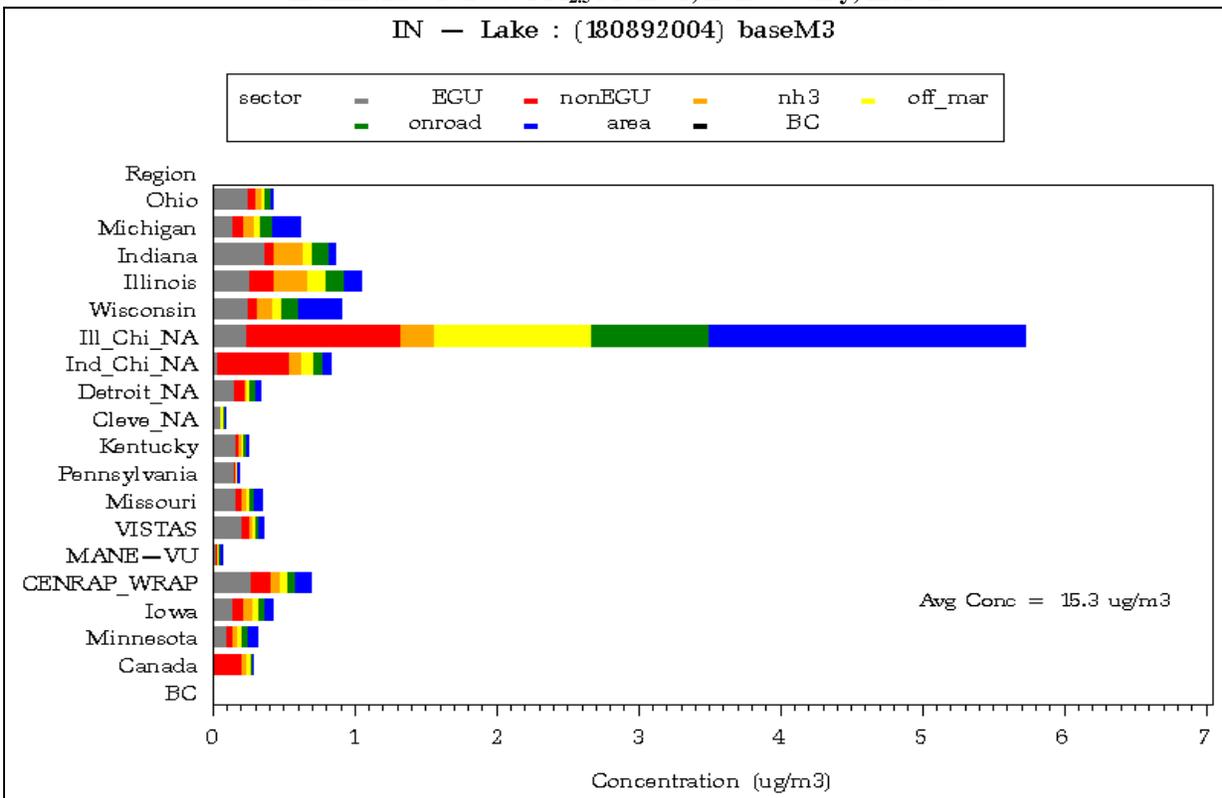
Griffith PM_{2.5} Monitor, Lake County, Indiana



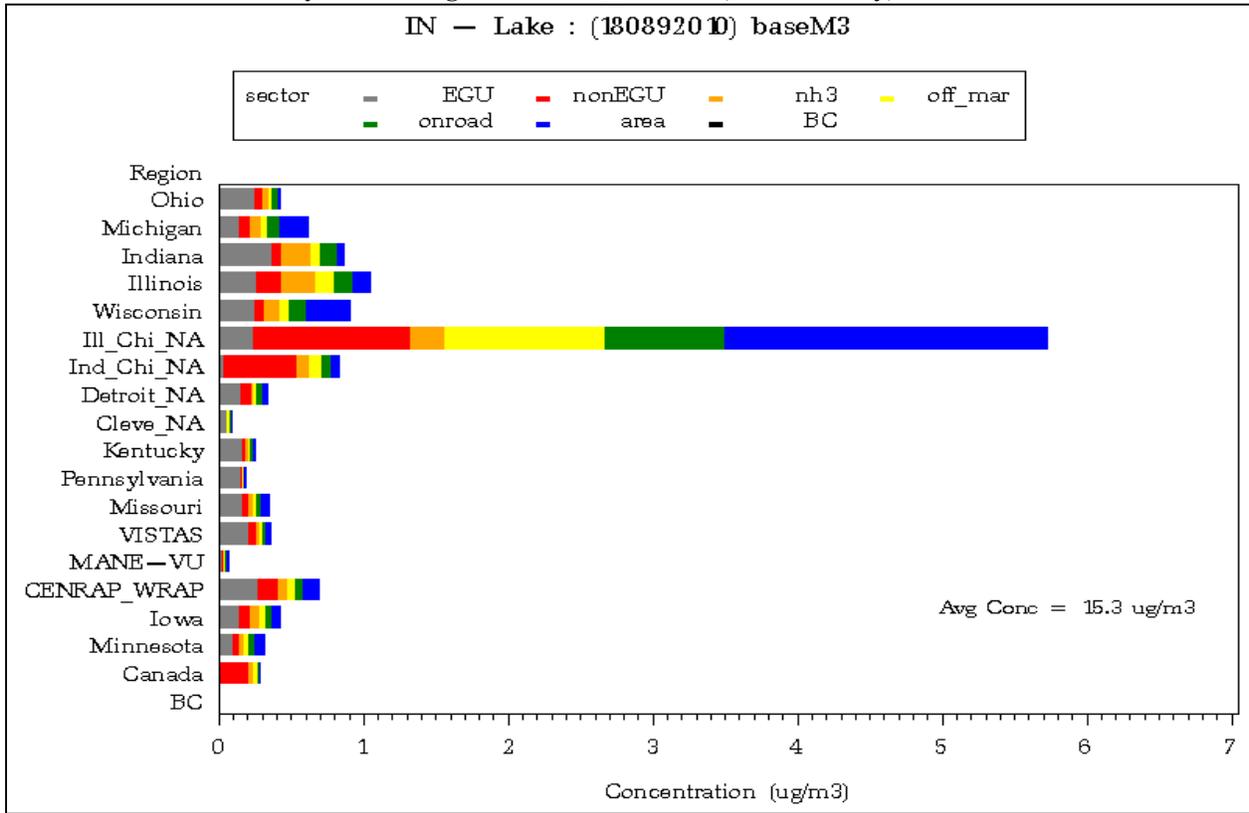
Gary – Ivanhoe School PM_{2.5} Monitor, Lake County, Indiana



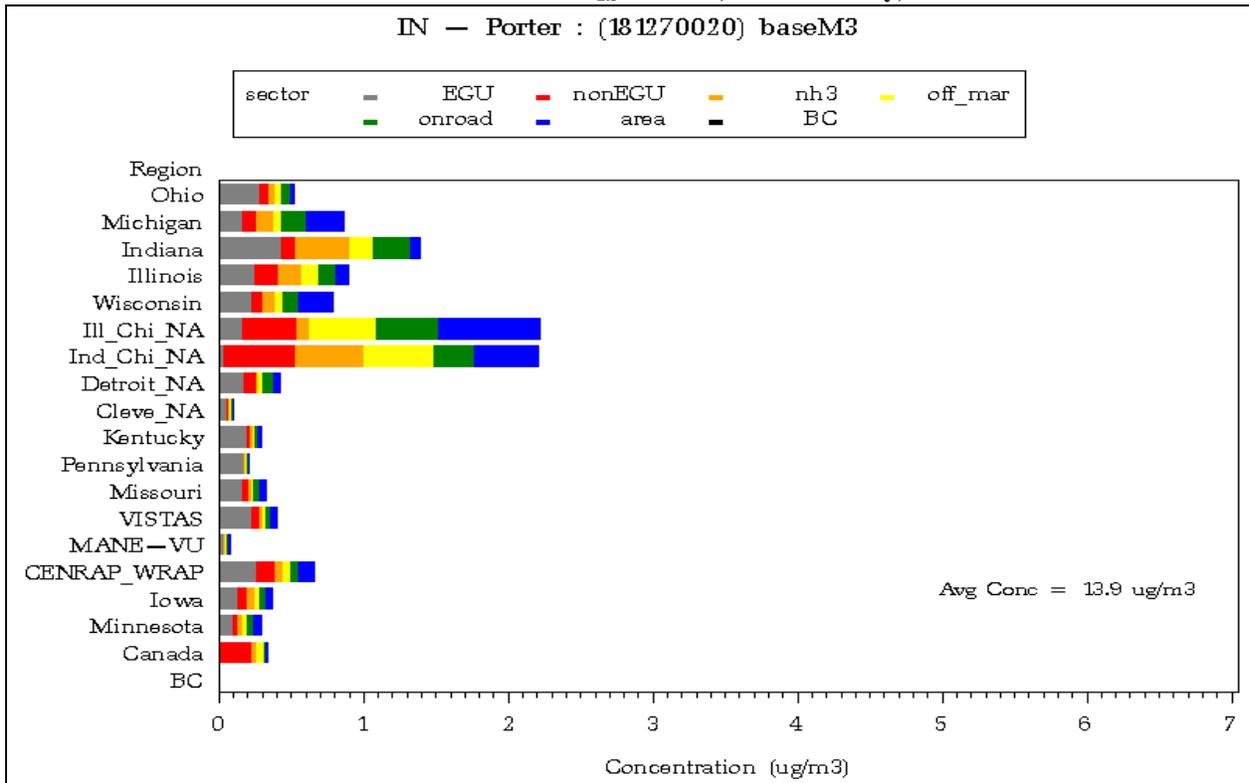
Hammond – Purdue PM_{2.5} Monitor, Lake County, Indiana



Gary – Clark High School PM_{2.5} Monitor, Lake County, Indiana

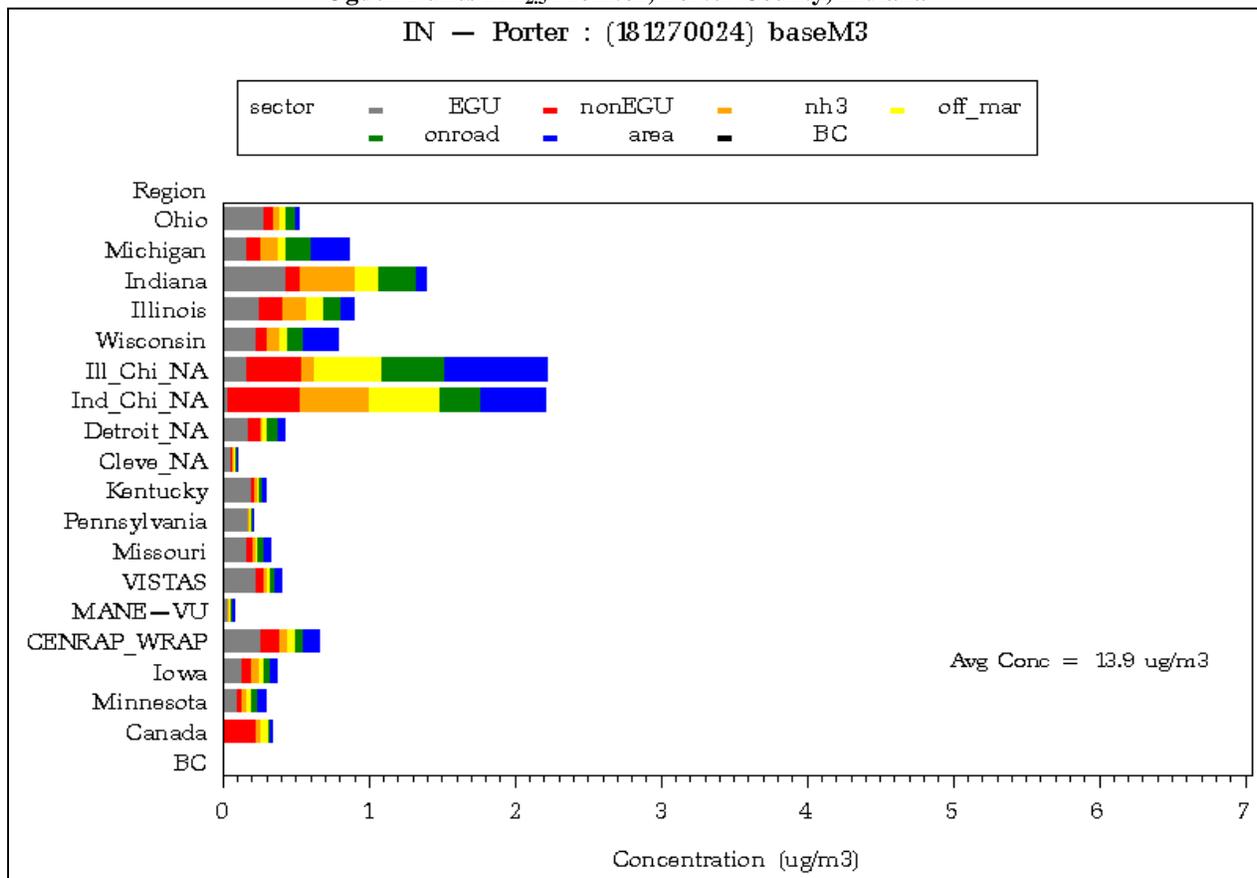


Dunes National Lakeshore PM_{2.5} Monitor, Porter County, Indiana



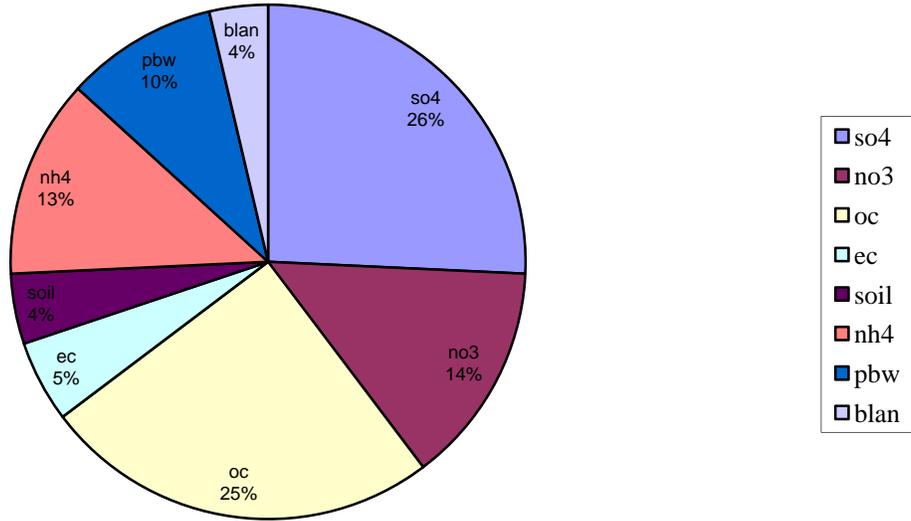
Ogden Dunes PM_{2.5} Monitor, Porter County, Indiana

IN — Porter : (181270024) baseM3

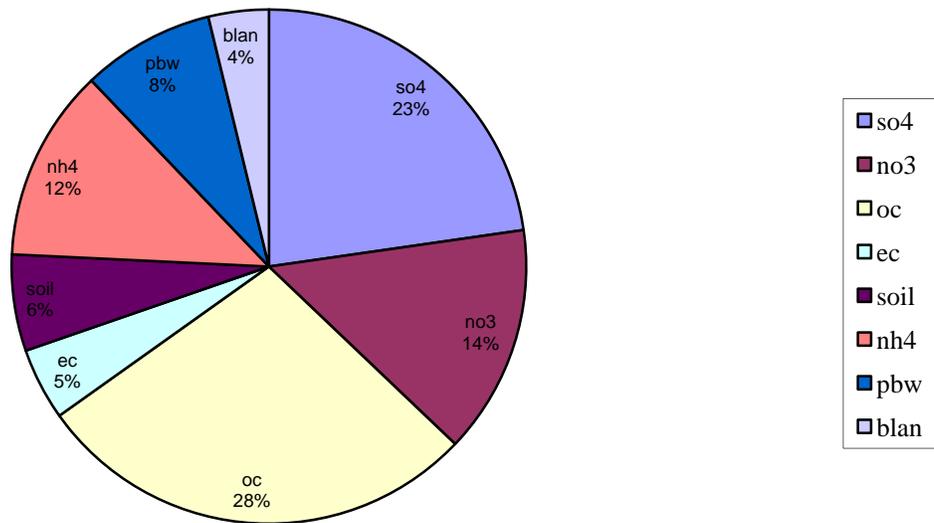


**Modeled Contributions by Specie at the East Chicago – Franklin School
PM_{2.5} Monitor**

**Observed 2005 Contributions at the East Chicago - Franklin School PM_{2.5}
Monitor**

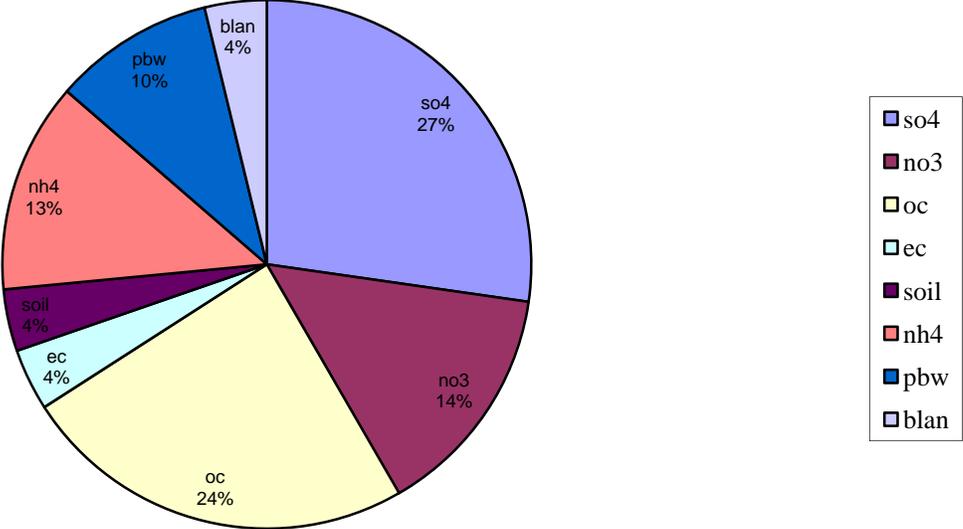


**2009 Modeled Contributions at the East Chicago - Franklin School PM_{2.5}
Monitor**

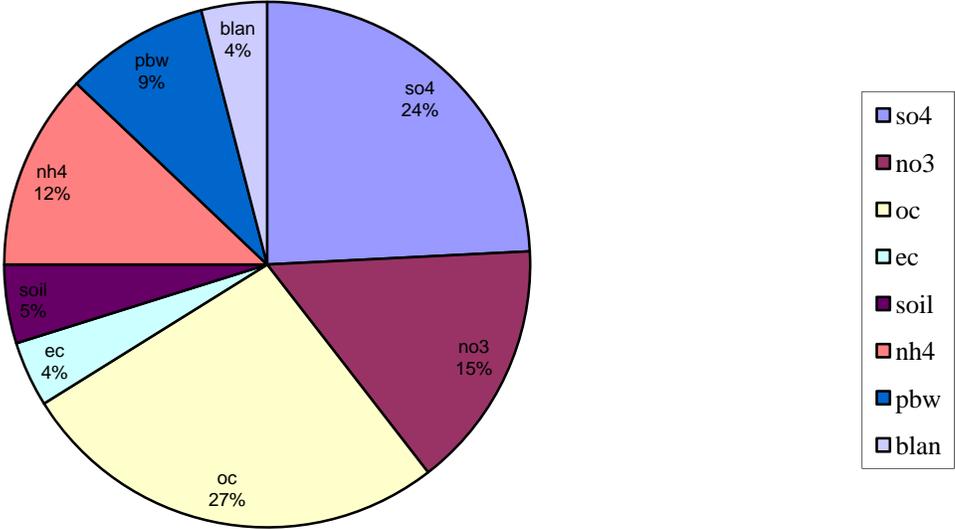


Modeled Contributions by Specie at the Griffith PM_{2.5} Monitor

Observed 2005 Contributions at the Griffith PM_{2.5} Monitor

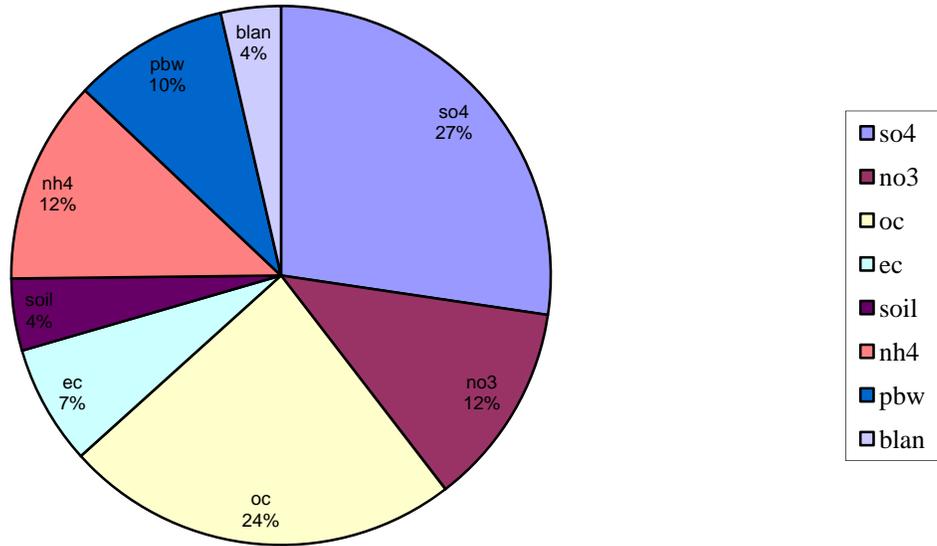


2009 Modeled Contributions at the Griffith PM_{2.5} Monitor

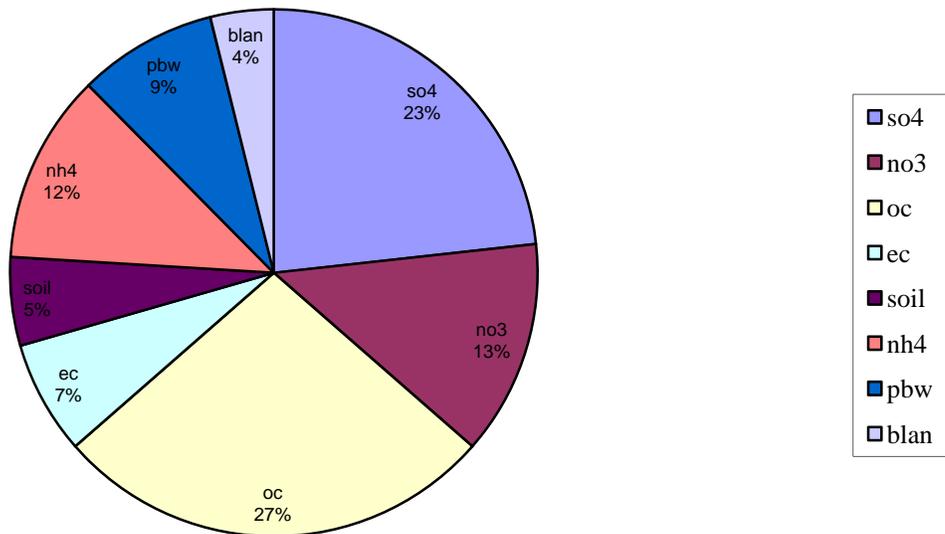


Modeled Contributions by Specie at the Gary – Madison Street PM_{2.5} Monitor

Observed 2005 Contributions at the Gary - Madison Street PM_{2.5} Monitor

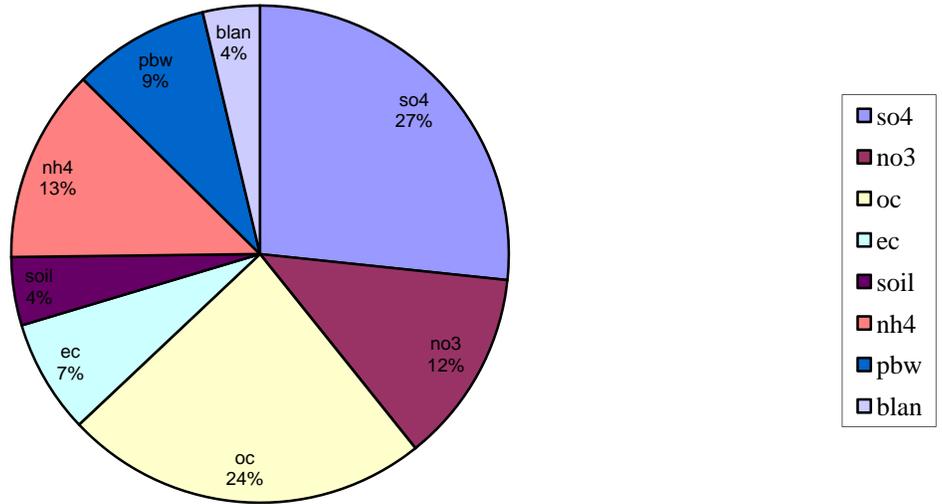


2009 Modeled Contributions at the Gary - Madison Street PM_{2.5} Monitor

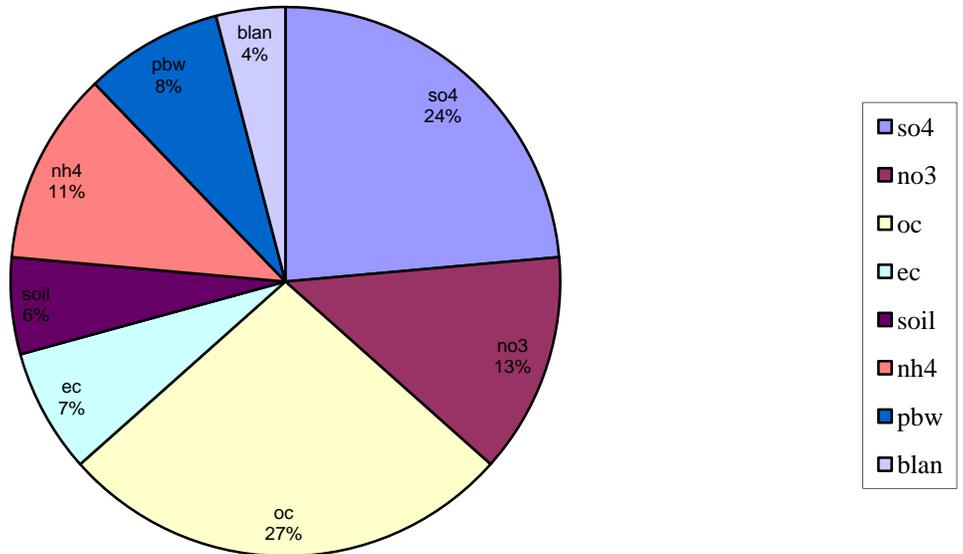


Modeled Contributions by Specie at the Gary - Ivanhoe School PM_{2.5} Monitor

Observed 2005 Contributions at the Gary - Ivanhoe School PM_{2.5} Monitor

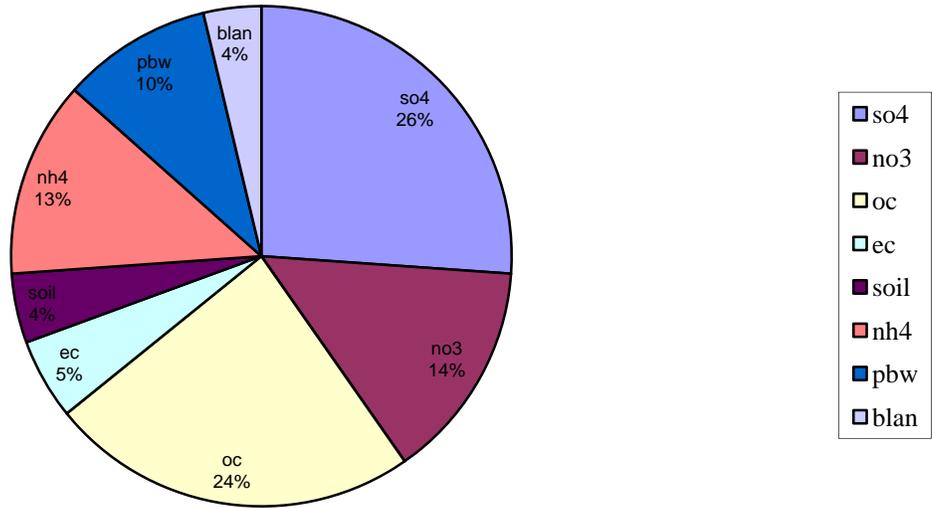


2009 Modeled Contributions at the Gary - Ivanhoe School PM_{2.5} Monitor

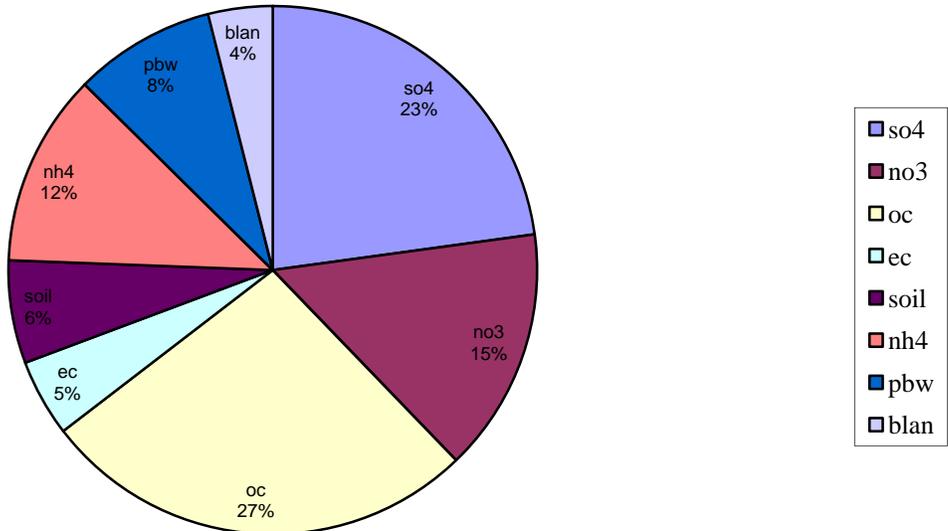


Modeled Contributions by Specie at the Hammond - Purdue PM_{2.5} Monitor

Observed 2005 Contributions at the Hammond - Purdue PM_{2.5} Monitor

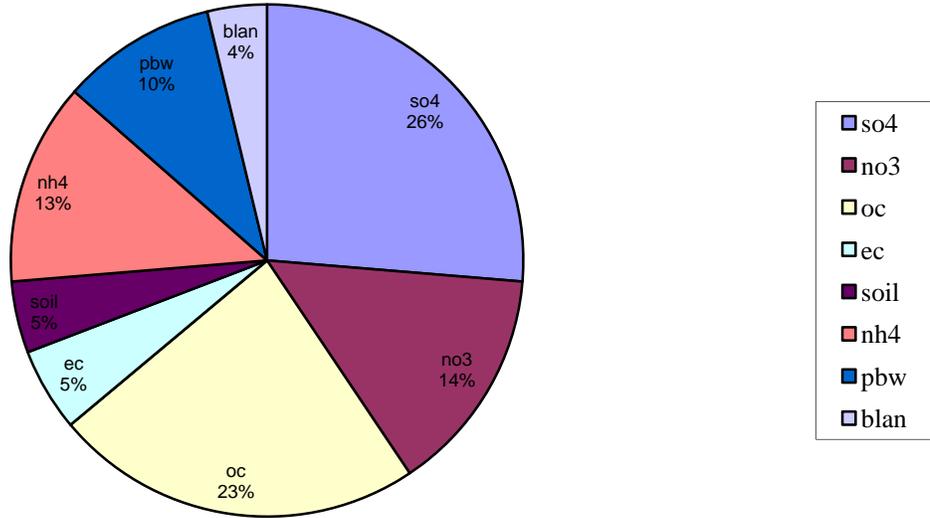


2009 Modeled Contributions at the Hammond - Purdue PM_{2.5} Monitor

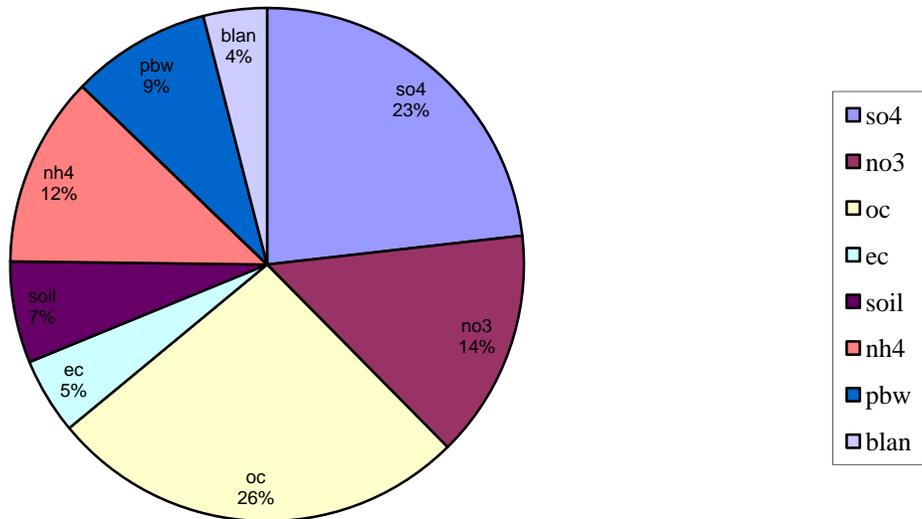


Modeled Contributions by Specie at the Hammond – Clark High School PM_{2.5} Monitor

Observed 2005 Contributions at the Hammond - Clark High School PM_{2.5} Monitor

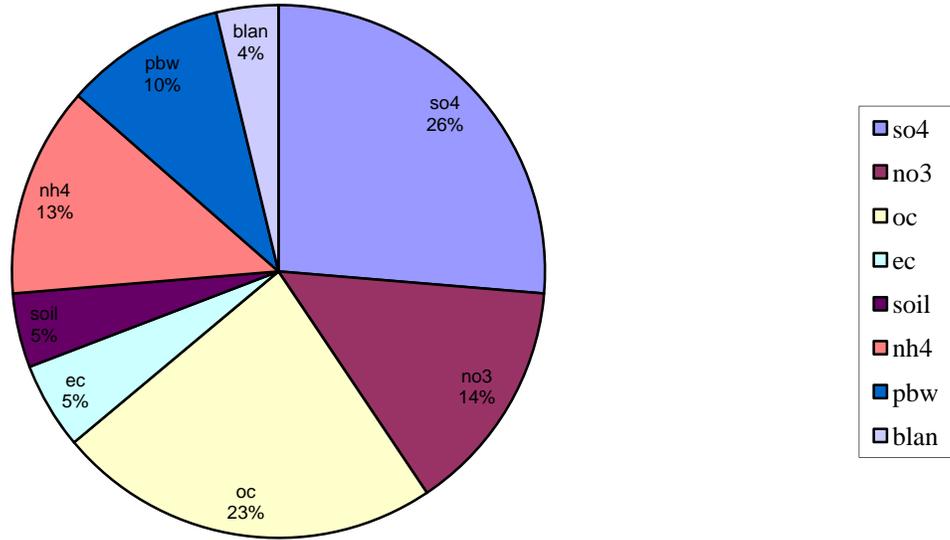


2009 Modeled Contributions at the Hammond - Clark High School PM_{2.5} Monitor

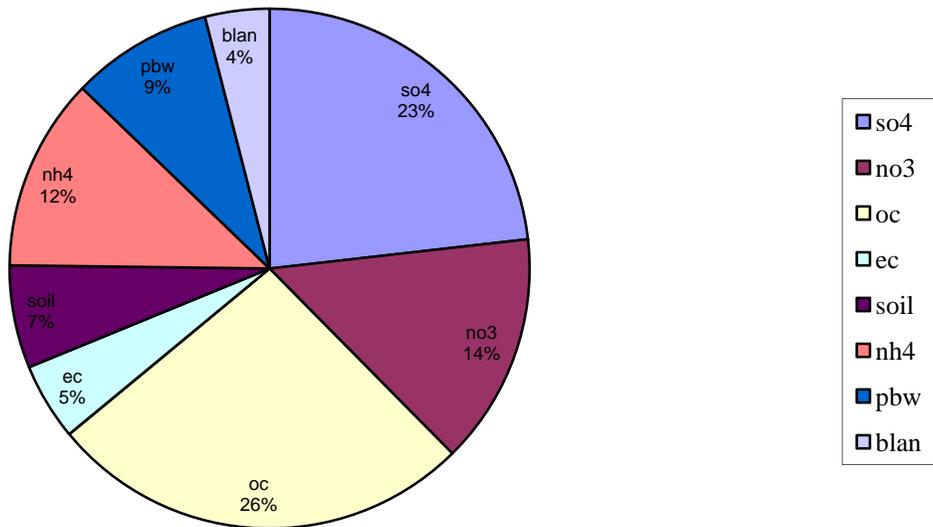


Modeled Contributions by Specie at the Dunes National Lakeshore PM_{2.5} Monitor

Observed 2005 Contributions at the Dunes National Lakeshore PM_{2.5} Monitor

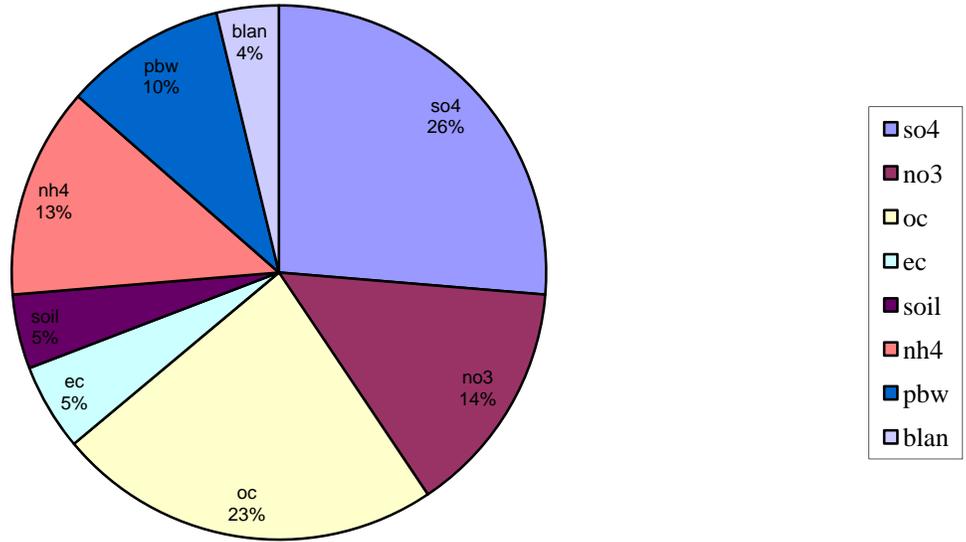


2009 Modeled Contributions at the Dunes National Lakeshore PM_{2.5} Monitor

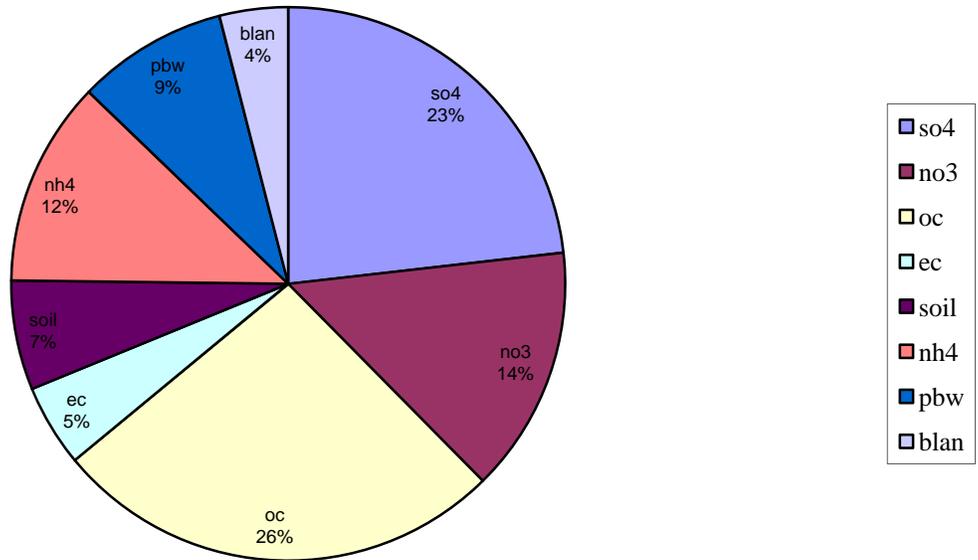


Modeled Contributions by Specie at the Ogden Dunes PM_{2.5} Monitor

Observed 2005 Contributions at the Ogden Dunes PM_{2.5} Monitor



2009 Modeled Contributions at the Ogden Dunes PM_{2.5} Monitor



Distribution of PM_{2.5} Concentration Days on the AQI Levels of Health Concern, Lake and Porter Counties, Indiana

