APPENDIX H

Modeling Summary

- **Fine Particles ($PM_{2.5}$) Design Value Trends**
- **Lake Michigan Air Directors Consortium (LADCO) Modeling Results for Central Indiana**
- **Regional/Emission Sector Particulate Source Apportionment Technology (PSAT) Results for Marion County**
- **Speciated Contributions to Central Indiana $PM_{2.5}$ Concentrations**
- **Distribution of $PM_{2.5}$ Concentration Days using Air Quality Index (AQI) Levels**

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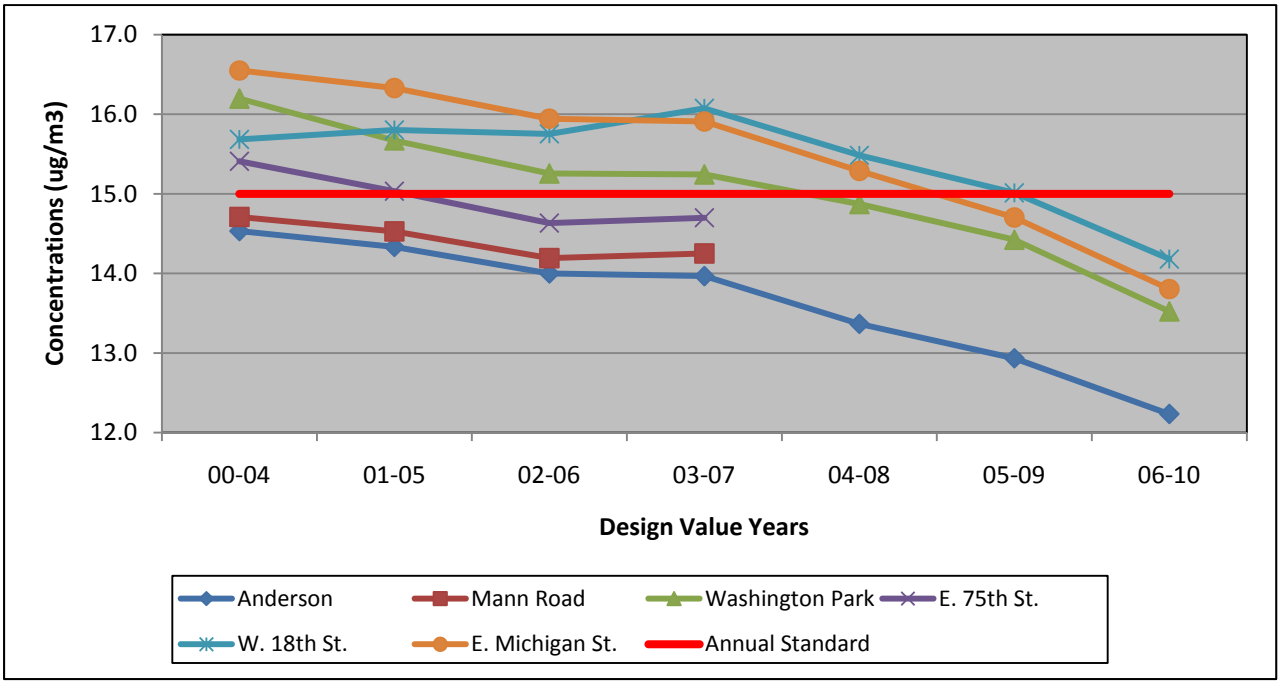
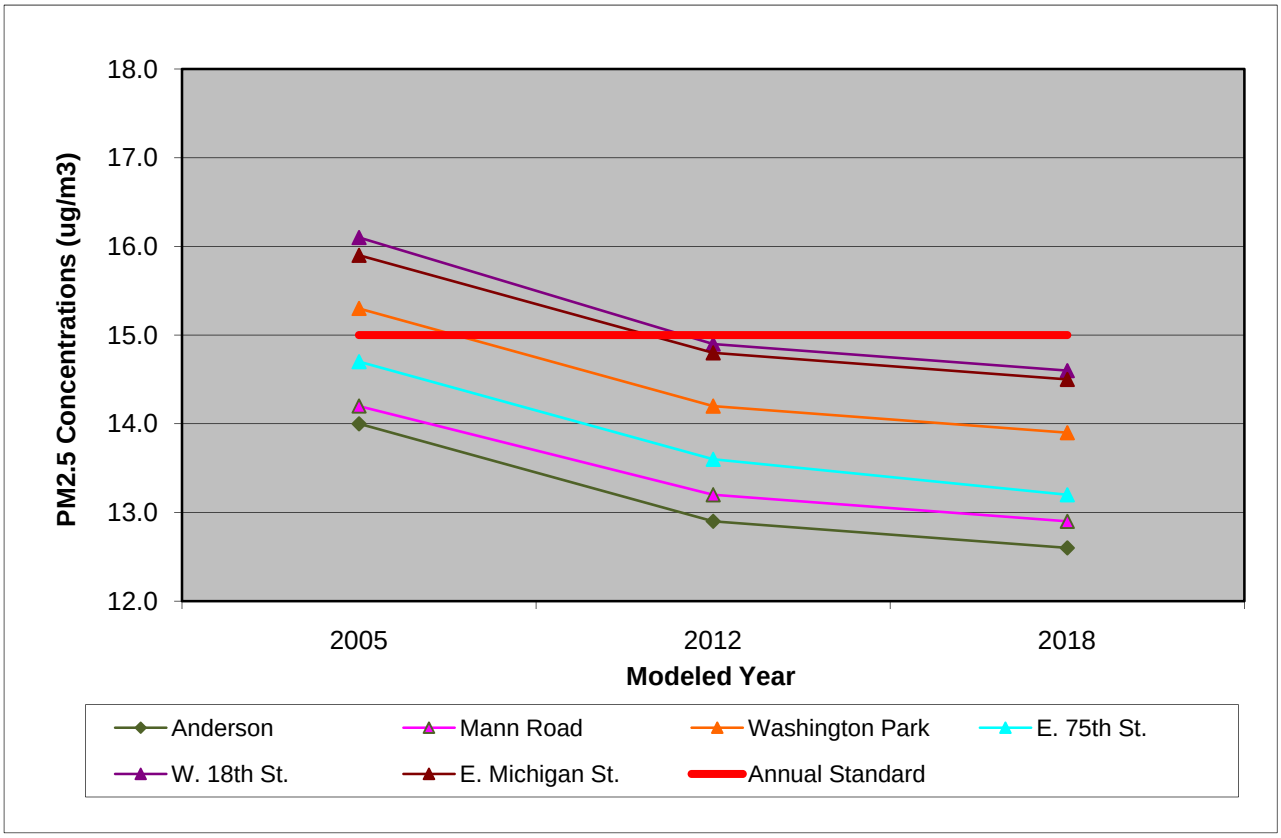
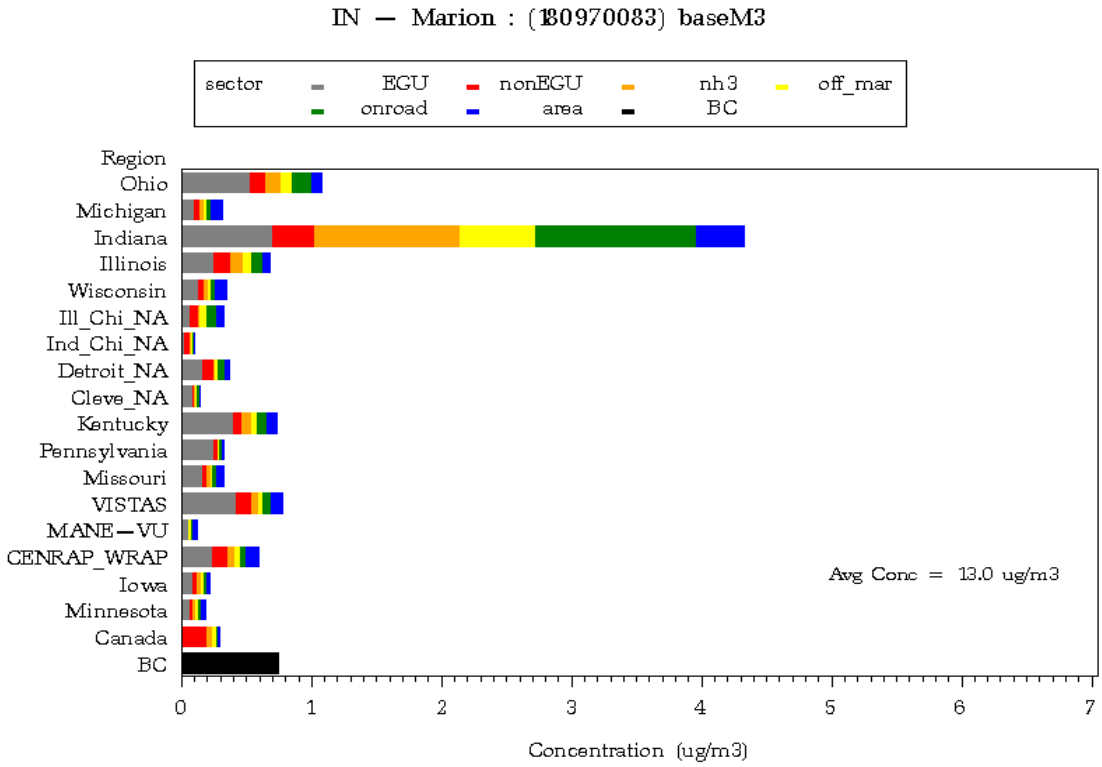
$PM_{2.5}$ Design Value Trends for the Central Indiana Area: 2000 - 2010



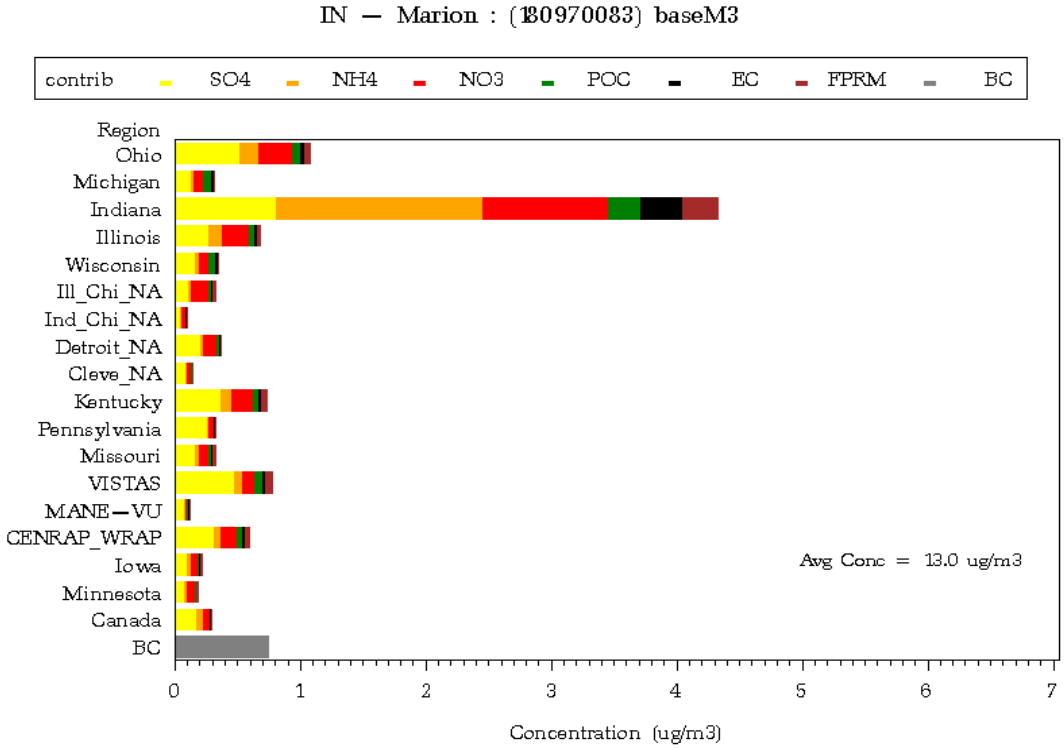
LADCO Modeling Results for Central Indiana $PM_{2.5}$ Monitors for 2012 and 2018



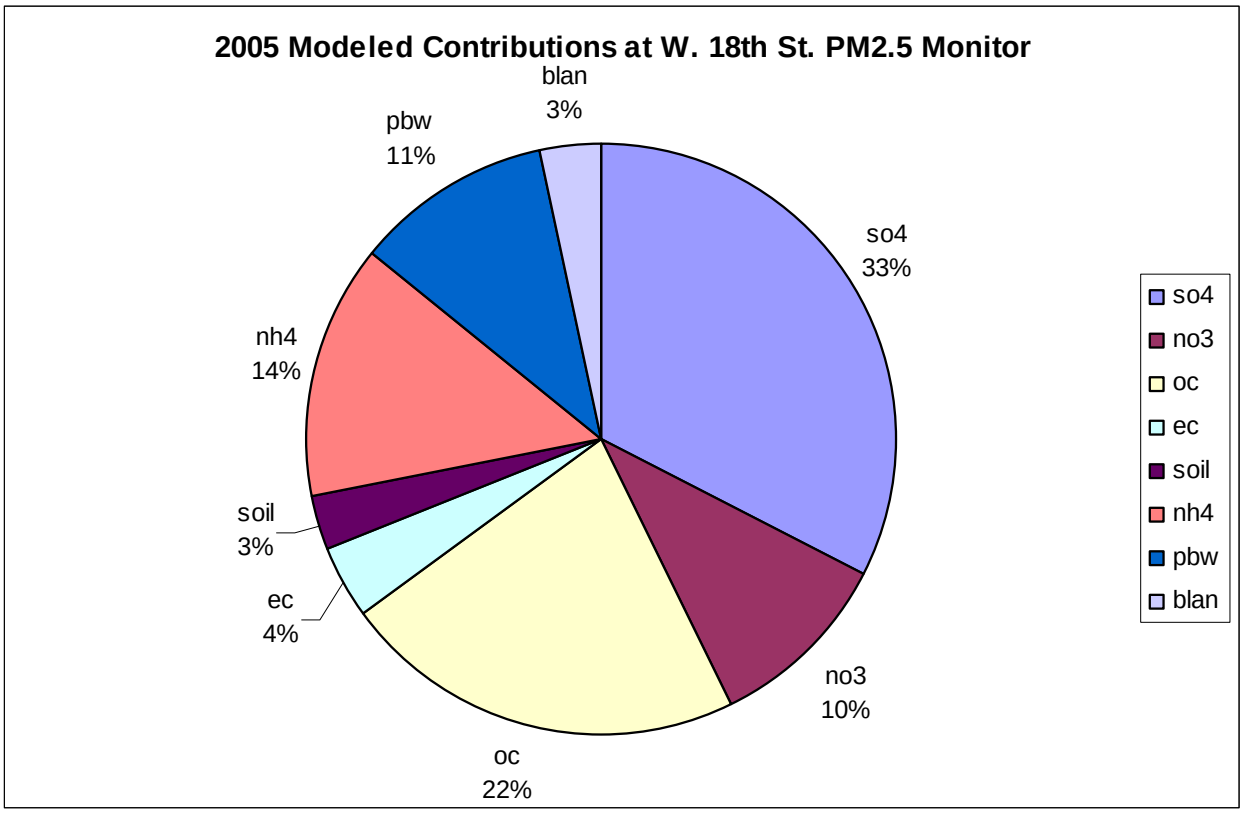
Regional/Emission Sector PSAT Results by Sector for Marion County at E. Michigan Street $PM_{2.5}$ Monitor

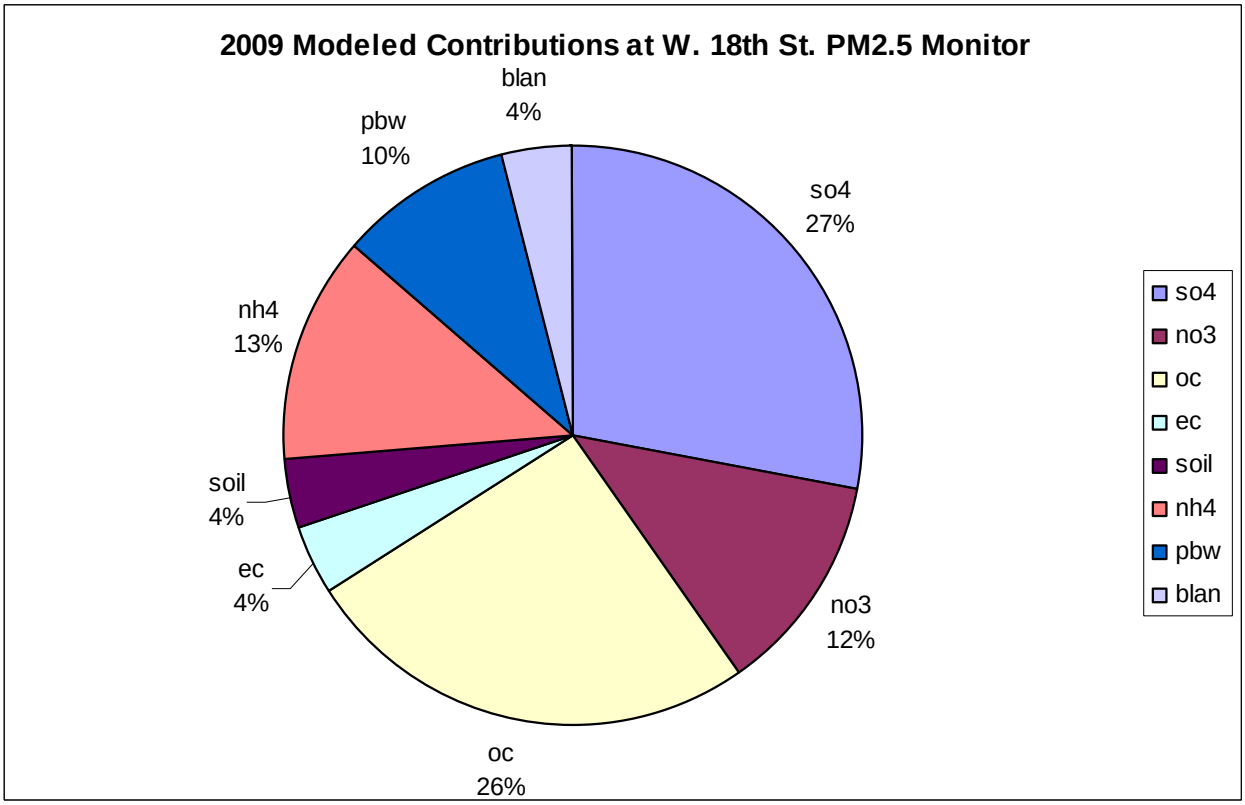


Regional/Pollutant PSAT Results by Contribution for Marion County at E. Michigan Street $PM_{2.5}$ Monitor

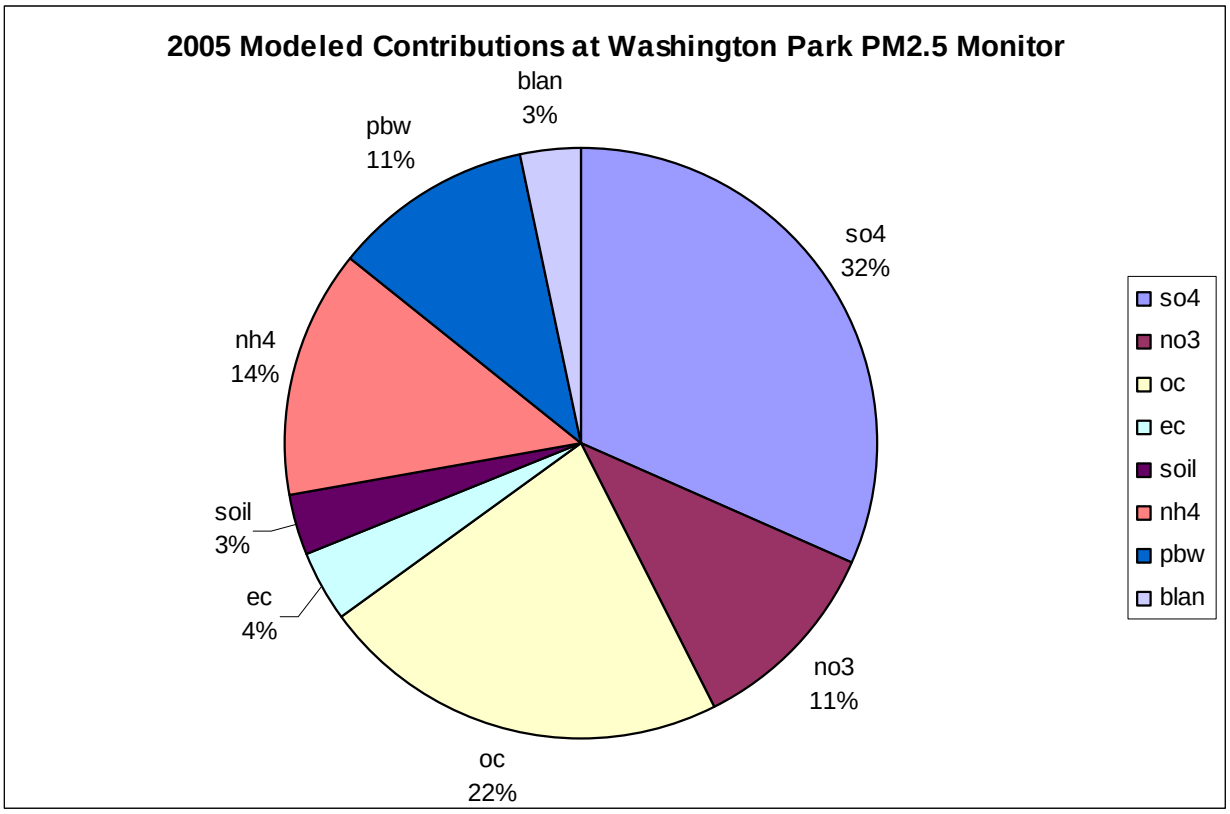


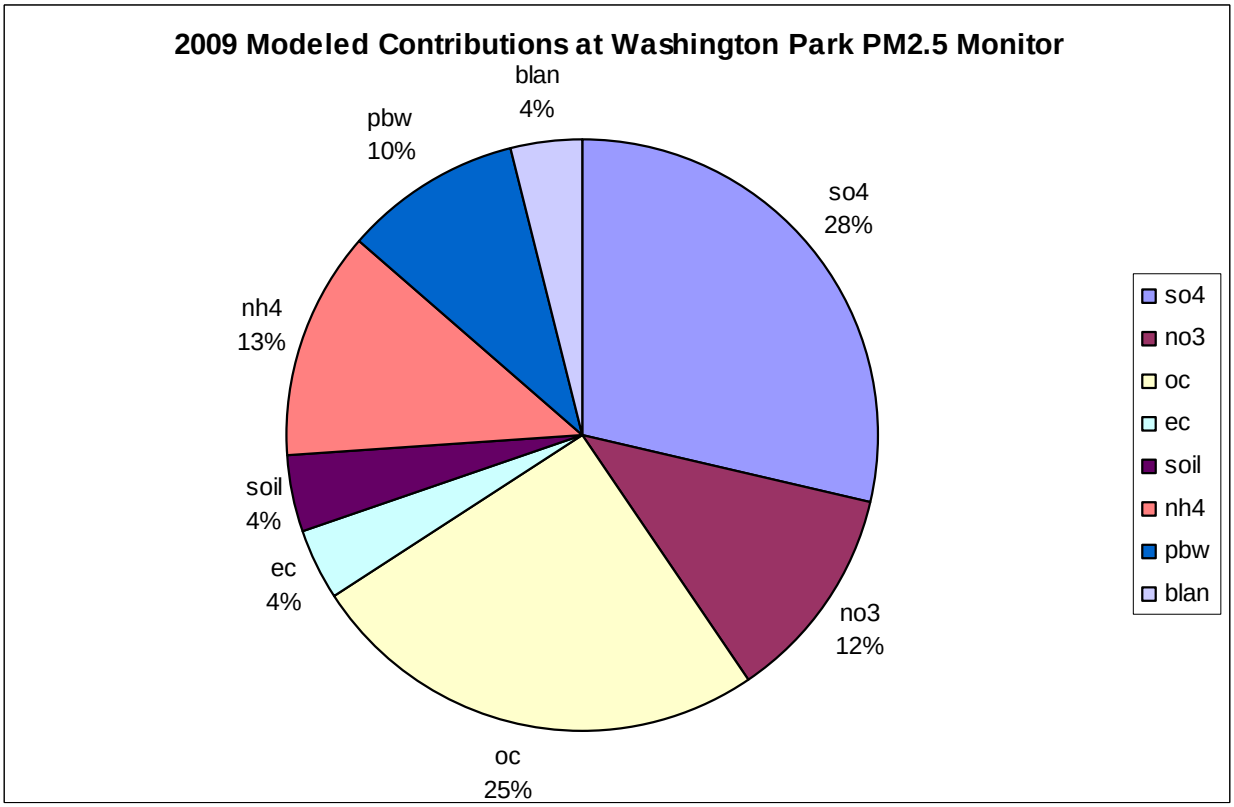
Species Modeled Contributions to W. 18th Street $PM_{2.5}$ Monitor in Marion County



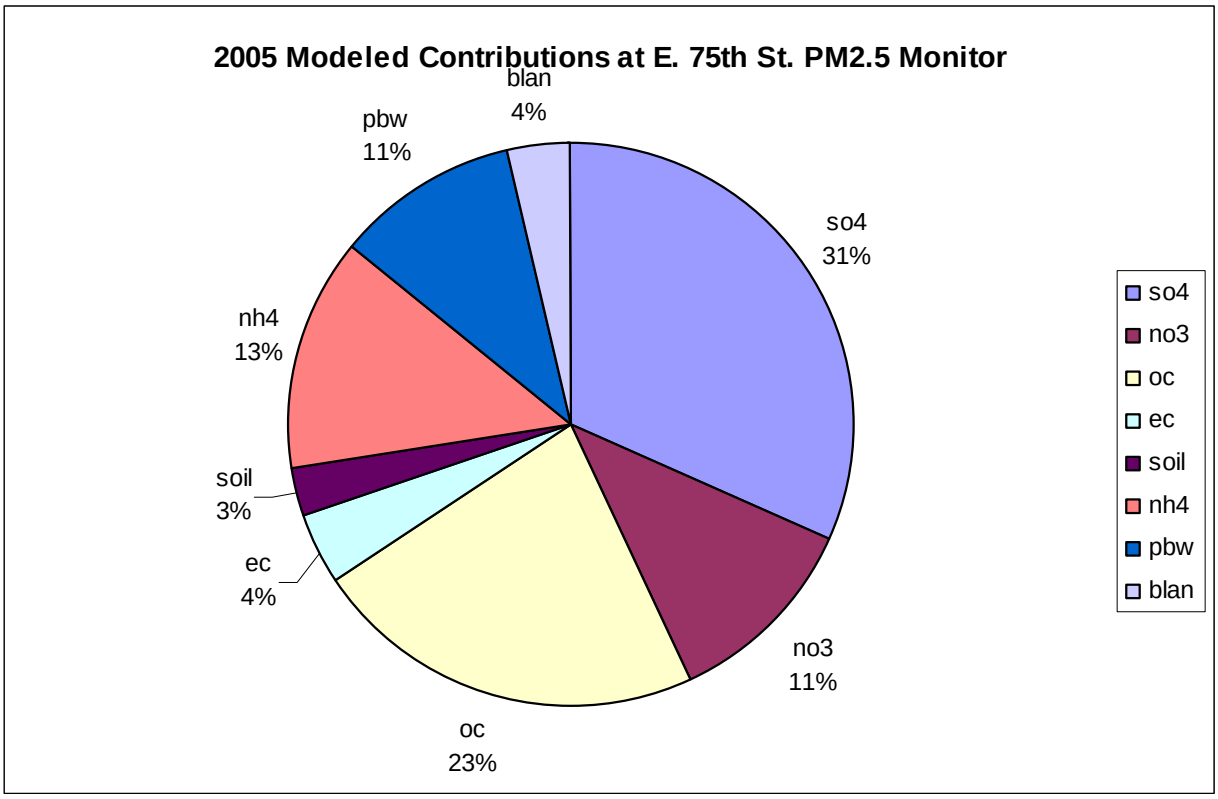


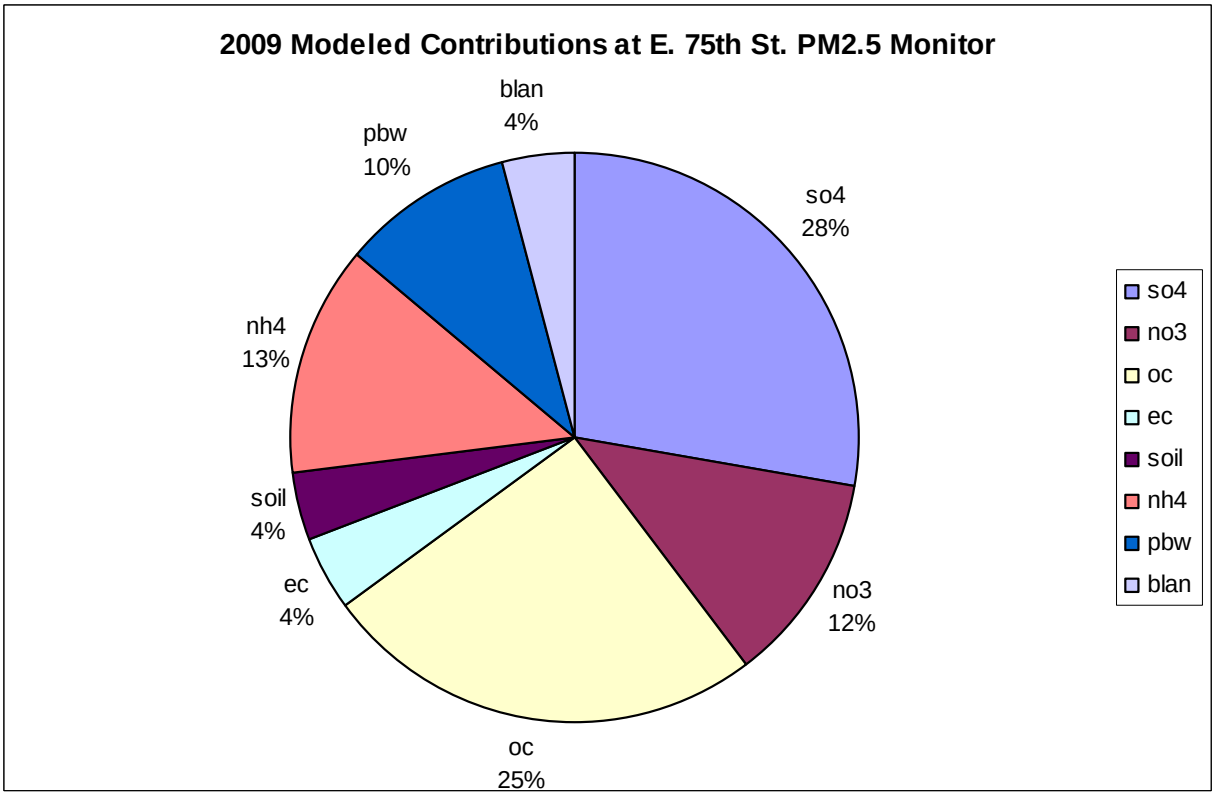
Species Modeled Contributions to Washington Park $PM_{2.5}$ Monitor in Marion County



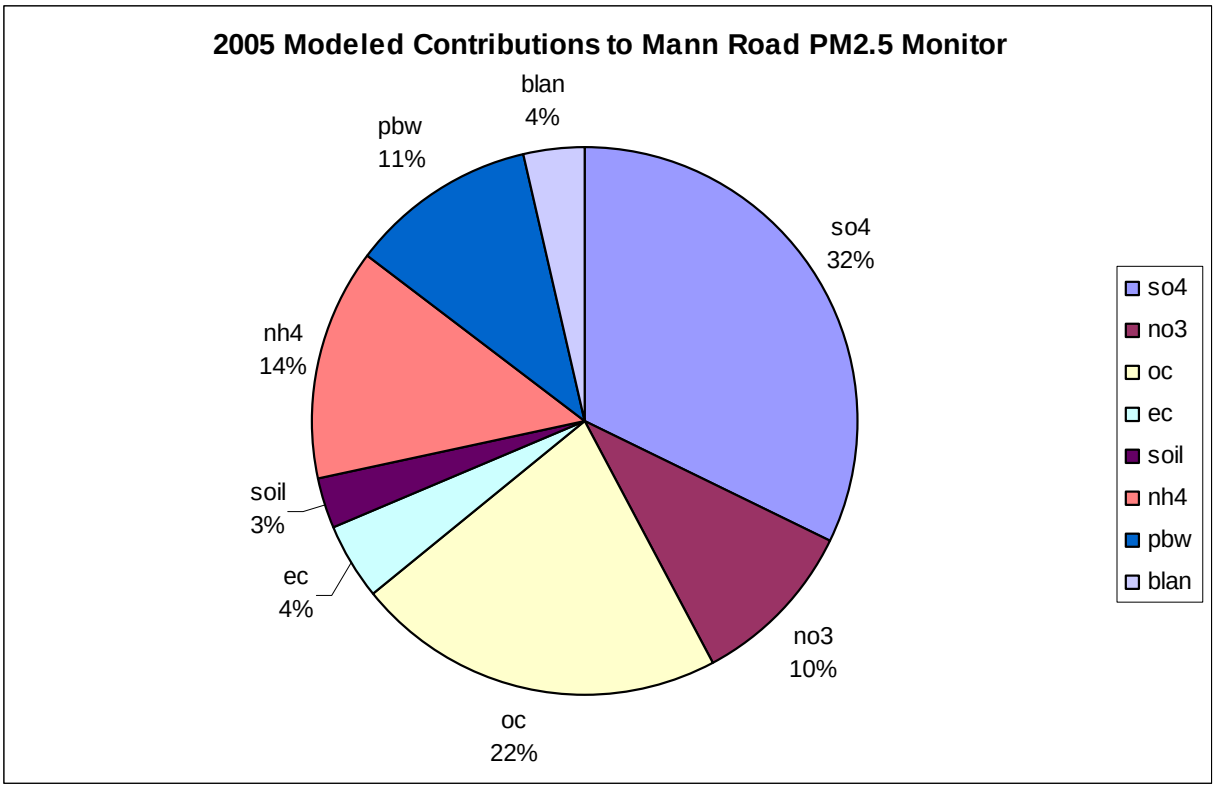


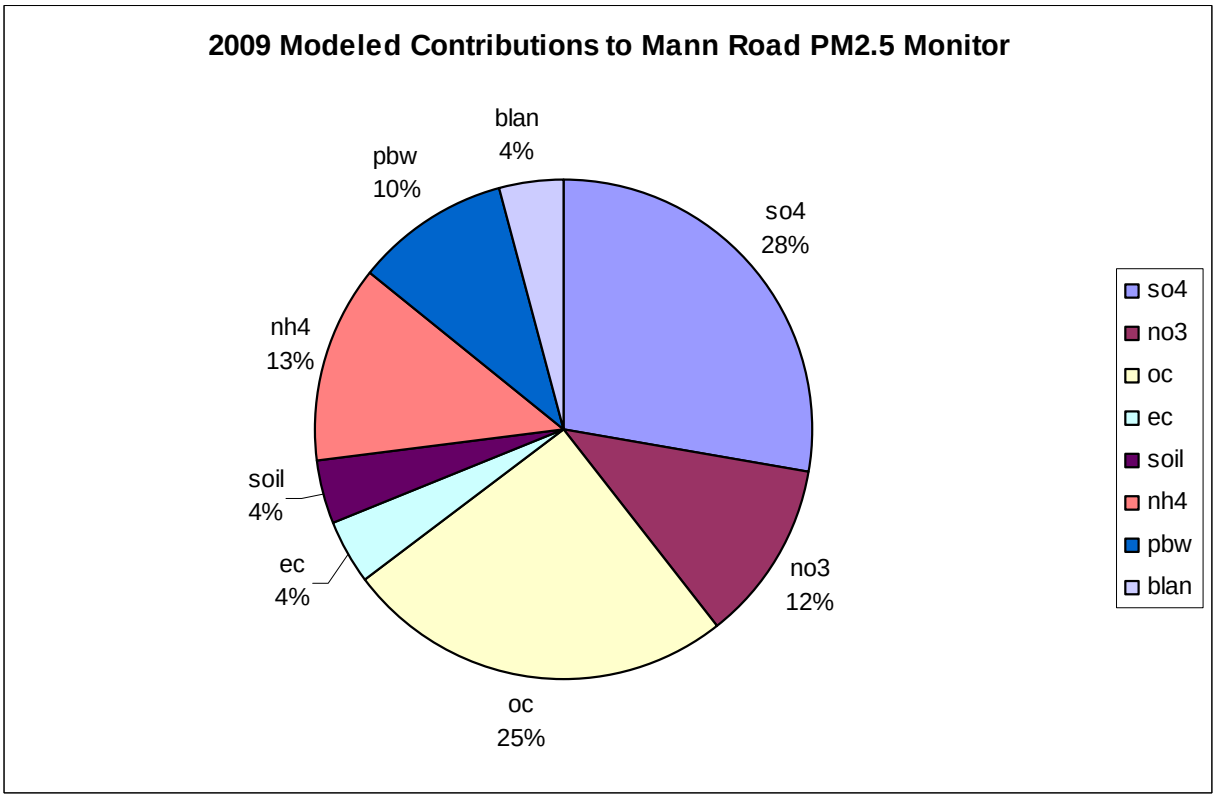
Species Modeled Contributions to E. 75th Street $PM_{2.5}$ Monitor in Marion County



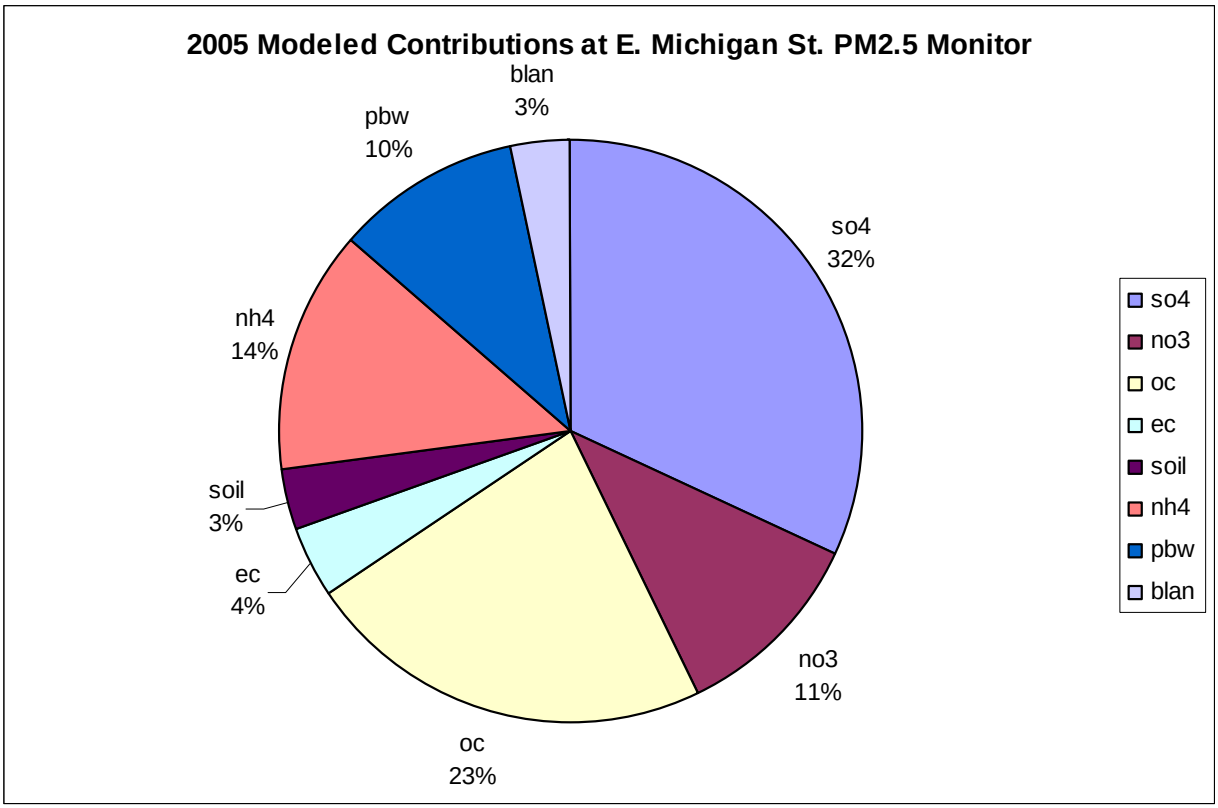


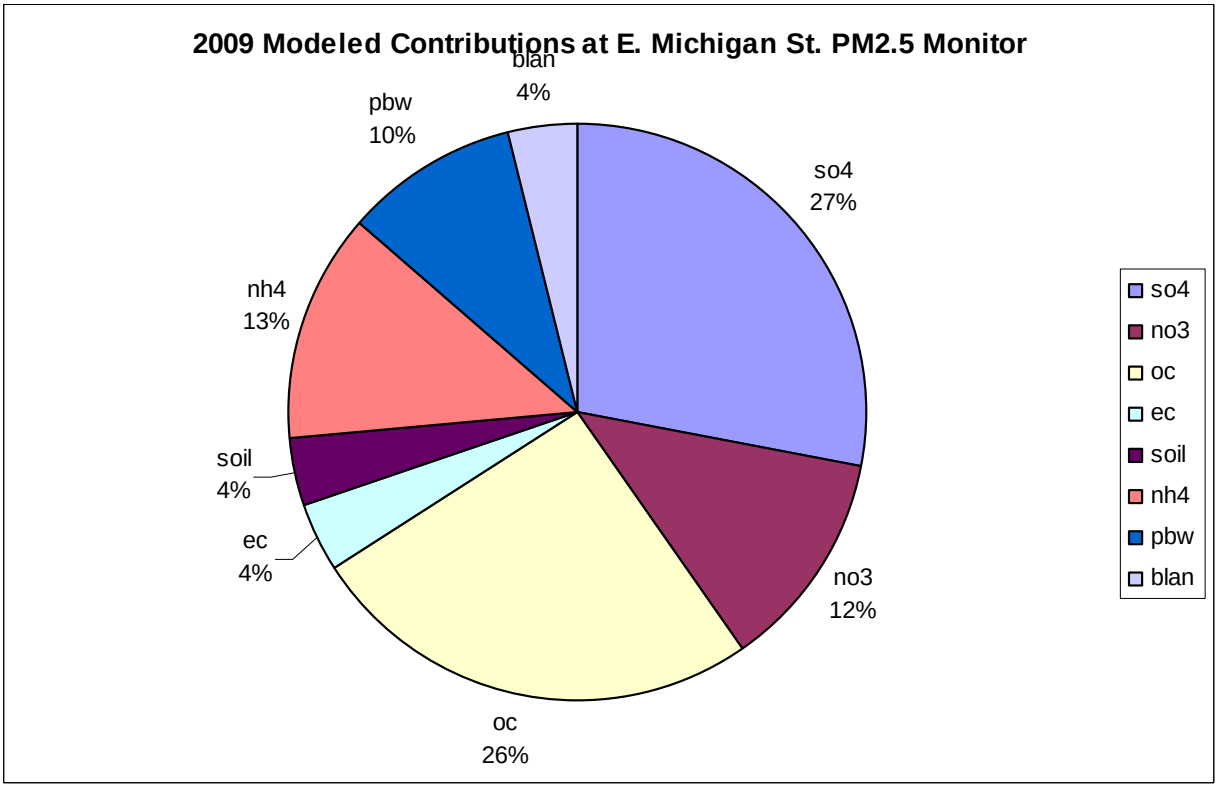
Species Modeled Contributions to Mann Road $PM_{2.5}$ Monitor in Marion County





Species Modeled Contributions to E. Michigan Street $PM_{2.5}$ Monitor in Marion County





Distribution of $PM_{2.5}$ Concentration Days in Central Indiana on the AQI Levels of Health Concern