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Using the Weather Research & Forecasting Model (NACR) to Model the Atmosphere over the North Eastern United States and Investigate the Effects of Land Use on the Atmosphere JOSEPH TROUT, TIFFANY LUTES, Richard Stockton College of NJ — In this pilot project, the Weather Research & Forecasting Model (WRF) from the National Center for Atmospheric Research was used to investigate the effects of land use on the weather and climate. New Jersey, especially New Jersey coastlines and NJ pine barrens have seen a rapid amount of development in a very short period. In this project, the WRF model is initialized with real. Observations and simulations are compared over areas of different land use.

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