



# Joey James

Project Scientist

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## Profile

Mr. James is a multi-disciplinary researcher specializing in sustainable economic development and planning for the new economy. He has professional experience in the public, non-profit, and private sectors and has worked extensively in energy policy analyses, geographic information system development, economic modeling, environmental data analysis, and environmental outreach.

## Skills and Experience

Assisted in the development of a site- and funding-specific economic development strategy for far Southwest Virginia.

Assessed the potential for residential and commercial energy efficiency measures to reduce greenhouse gas emissions in Morgantown, West Virginia.

Developed numerous geospatial applications for uses in environmental analysis, field data collection, and source water protection.

Explored opportunities for West Virginia to comply with proposed regulations on carbon dioxide emissions from existing coal-fired power plants.

Assisted in data development for spatially-explicit models of fish habitat quality to quantify anthropogenic stress for watersheds in the northeastern United States.

Performed field-based dendrochronological data collection of various tree species for a paleo-ecological assessment of historic climate change.

## Education

B.A., Geography, West Virginia University, Morgantown, 2014. Emphasis in natural resources, GIS, paleo-ecology, and environmental policy.

## Representative Publications

James J, and Hansen E. 2017. Capturing the Sun's Rays: An Economic Impact Assessment of Solar Development in Southwest Virginia. Prepared for the Solar Workgroup of Southwest Virginia. Downstream Strategies.

James J, and Hansen E. 2017. Prospects for Large-scale Solar on Degraded Land in West Virginia. Prepared for the Appalachian Stewardship Foundation. Downstream Strategies

Fedorko E, et al. 2016. Healing our Land, Growing our Future: Innovative Mine Reclamation in Southwest Virginia. Prepared for Appalachian Voices. Downstream Strategies.

Hansen E, and James J. 2016. Reducing Greenhouse Gas Emissions through the Sustainable Morgantown Initiative. Prepared for the Appalachian Stewardship Foundation. Downstream Strategies.

Hansen E, James J, and Coleman J. 2016. All of Our Eggs in One Basket? An Update on the Decline of Central Appalachian Coal and Increasing Budget Woes in West Virginia. Downstream Strategies.

Hansen E, and James, J. 2015. Opportunities for Reducing Commercial and Residential Greenhouse Gas Emissions in Morgantown, West Virginia. Prepared for the Appalachian Stewardship Foundation. Downstream Strategies.

## Software Fluency

The ESRI Suite, Excel, Word, and Access.