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Payne Institute for Public Policy

August 2019



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## From the Director

Dear Friends and Colleagues,

As we enter a new academic year at the Payne Institute for Public Policy we would like to thank you for your continued support of the Institute and our initiatives. Partnership has been a key factor in our growth over the past year and we look forward to continued collaboration in the year ahead.

Our monthly newsletter will keep you up to date on some of the activity here at the Payne Institute. At any time, you can view the latest news and information at the Payne Institute website <https://payneinstitute.mines.edu/>.

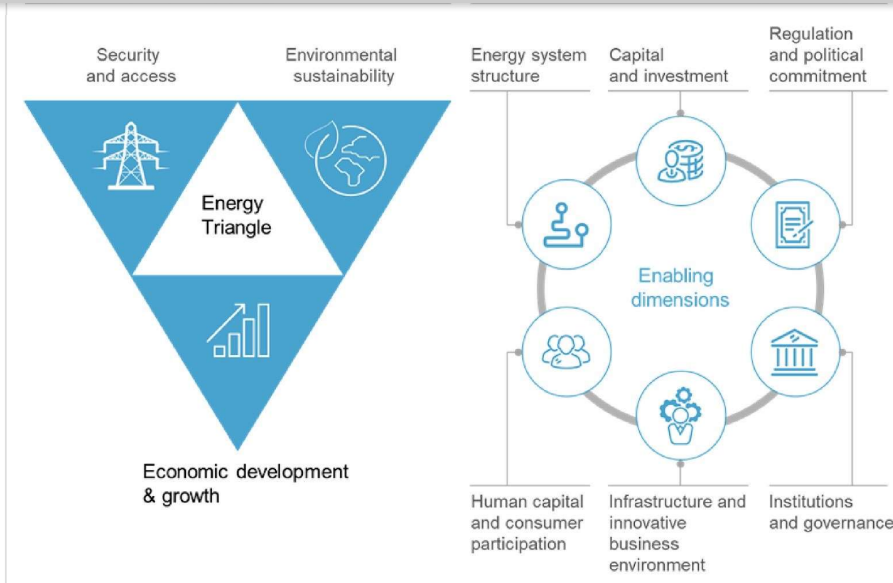
Morgan Bazilian

Director, Payne Institute and Professor of Public Policy

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## The Energy Transitions Index

Payne Institute supports just released new methodology for the World Economic Forum's Energy Transitions Index. A global index that tracks the performance of energy systems, as well as macroeconomic, institutional, social, and geopolitical considerations. [Link to compete article.](#)



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## Payne Institute News

The Payne Institute would like to welcome [Andrew Spielman](#), Senior Research Associate and Director of Future of Oil and Gas Initiative. Andrew is currently Chief Operating Officer and General Counsel, Core Mountain Enterprises.



Lucas S. Furtado publishes case study of the energy transition in Pueblo, Colorado. Pueblo is undergoing a major transformation towards becoming a clean energy hub, with lessons for the whole country. We consider the evolution of the city's relationship with energy and manufacturing, and conclude with some lessons learned about partnership, government engagement, utility collaboration, and energy transition leadership. [Link to complete article.](#)

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## Faculty Fellows in Action

Sebnem Duzgun, professor and Fred Banfield Distinguished Endowed Chair of Mining Engineering at Colorado School of Mines, has been awarded funding from the U.S. Department of Energy to apply new machine learning techniques to geothermal exploration. [Link to complete article.](#)

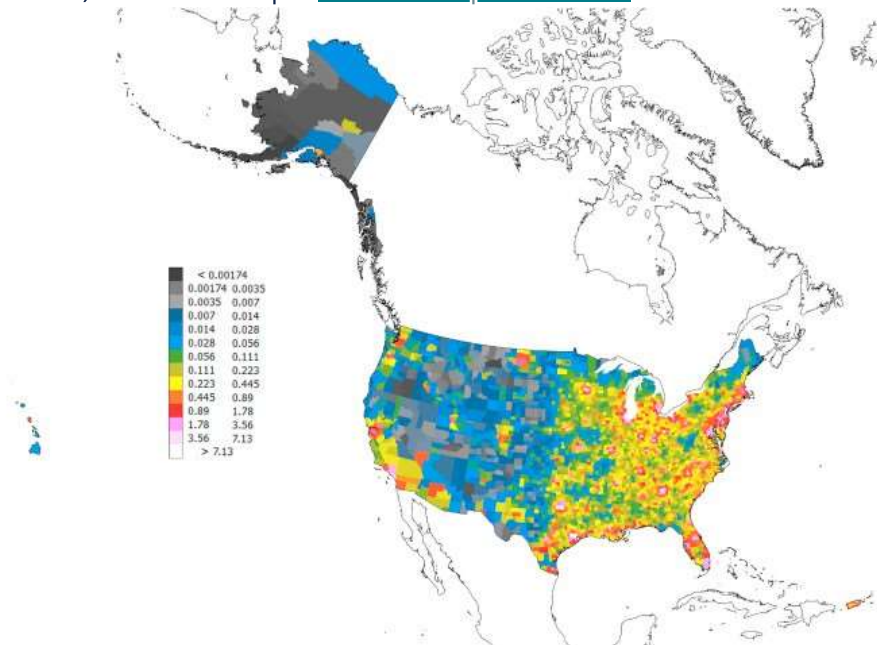


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## Earth Observation Group

Payne Institute Earth Observation Group article on light pollution. Light Pollution

Brightness, VIIRS-recorded radiance and Gross Domestic Product (GDP) data, we compared light pollution levels, and the light flux to the population size and GDP at the State and County levels in the USA and at Regional (NUTS2) and Province (NUTS3) levels in Europe. [Link to complete article.](#)



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## Upcoming Payne Institute Events

- Morgan Bazilian will participate in the Thought Leaders Dinner as part of the [Colorado Oil and Gas Association \(COGA\) Energy Summit](#) in Denver. August 26-28, 2019.
- Morgan Bazilian will discuss Methane Hydrates during the [2019 Minerals Under Water Symposium: The Science of Politics of Extractive Industries in the Oceans and Beyond](#) at the University of Delaware. August 28, 2019.
- The Payne Institute will host the [Denver Energy Dialogues](#). September 10, 2019.
- The Payne Institute will host a seminar on the [Future of Lithium Markets](#) by Emily Sarah Hersh of DCDB Group at Colorado School of Mines. September 11, 2019.

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**For Media Inquiries**

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For media or interview inquiries for any of the Payne Institute leadership, please contact Greg Clough at (303)384-2218 or [gclough@mines.edu](mailto:gclough@mines.edu).

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