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Dr. Lendel is an economist with vast experience conducting academic and applied research and consulting on regional policies and economic development. Her research portfolio includes projects on industry clusters and regional strategies, technology-based economic development, ecology of innovation and entrepreneurship, sustainability and energy policy, transit and smart city planning, workforce and economic inclusion, the role of universities in regional economic development, and impact of arts on regional and community development. She develops and leads ample multi-institutional interdisciplinary research, secures funding, leads service projects, creates research methodologies, conducts research, and provides strategic and public policy recommendations in various aspects of regional economic development. She is known for her leadership in building collaborations with government, nonprofit organizations, and private companies. Dr. Lendel is a frequent and engaging speaker at public events in regional, state, national, and international conferences and meetings.

Dr. Lendel has been the principal investigator and lead researcher on multiple applied research studies conducted for various state, regional, and local governments and nonprofit organizations. Her most recent portfolio of projects includes studies funded by the U.S. Economic Development Administration (COVID-19 assistance, service and outreach under the U.S. EDA University Center program, and the Regional Recovery Coordination Following the Closure of GM Lordstown in Youngstown, Ohio), the U.S. Department of State (University Research and Entrepreneurial Skills -- Republic of Georgia), JobsOhio (multiple projects under the research umbrella agreement), Ohio Department of Development (evaluation of the Ohio Historic Preservation Tax Credit Program), Cuyahoga County government (economic development strategy and SkillUp workforce program), The George Gund Foundation (Regional growth strategies and economic inclusion in the 18-county Northeast Ohio region), NASA Glenn Research Center (annual economic impact: 2009-2021), the Ohio Steel Council (supply and customer chain in the state of Ohio: 2012, 2019), and the Greater Cleveland Regional Transit Authority (economic and community impact on poverty, property, and connectivity). Dr. Lendel has published more than 100 professional reports and has been an invited speaker to more than 40 national and international seminars and conferences over the last ten years.

Dr. Lendel earned her Ph.D. in Economics at the Institute of Regional Research, National Academy of Sciences of Ukraine. She earned a second Ph.D. in Urban Studies from the Maxine Goodman Levin College of Urban Affairs at Cleveland State University with a concentration in Economic Development. She is an assistant editor of *Economic Development Quarterly* and was a frequent guest blogger at *Crain's Ohio Energy Report*.

Dr. Lendel has been a consultant to the World Bank, the Research Triangle Institute, and CRDF Global. She consults internationally, speaks four languages, and was named a Fulbright New Century Scholar for 2009-2010.

EDUCATION

Ph.D. in Urban Studies and Public Affairs, Cleveland State University, 2008

Specialization: Economic Development

Ph.D. in Economics (Doctor of Economics), the Institute of Regional Research, National Academy of Sciences of Ukraine, 1995. Specialization: Economics of Oil and Gas Production.

Diploma of Economist-Researcher. Moscow Academy of Oil and Gas, Moscow, Russia. 1992.

Diploma of Higher Education in Economics with Honors (Master's degree). Ivano-Frankivsk Institute of Oil and Gas, Ukraine, 1988.

AREAS OF SPECIALIZATION

- Regional economics, economic development strategies, and public policy
- Industry study: clusters, supply chain and customer chain, regional growth
- University-industry collaboration and technology transfer
- Ecology of entrepreneurship and innovation
- Transit and smart city planning
- Sustainable planning and energy policy
- The role of universities in regional economies
- Economic impact modeling

EMPLOYMENT HISTORY

Maxine Goodman Levin College of Urban Affairs, Cleveland State University, Ohio

- Research Associate Professor, director of the Center for Economic Development, 2014 – present
- Associate/assistant director of the Center for Economic Development, 2010 – 2014
- Research associate/program manager of the Center for Economic Development, 2004 – 2010
- Senior Fellow, Center for Energy Policy and Applications, 2010 – present
- Fulbright Research Scholar, Senior Associate, 1997 – 2004

INTERNATIONAL EXPERIENCE

Economic Impact of Shale Development in Ukraine. Economic impact study and participation in several conferences. Testimony in the Parliament of Ukraine on shale oil and gas development and regional economic development. 2013 – 2020

Economics of Digital Transformation. Rijeka, Croatia. Invited speaker. Faculty of Economics and Business, University of Rijeka, May 2018

Unconventional Natural Gas Development: Social, Economic, and Environmental Implications. Bogota, Colombia. U.S. Department of State, 2013.

Fulbright New Century Scholar, Free University of Berlin (Germany), Utrecht University (The Netherlands), 2009 – 2010

Consultant, 2000 – present

- DIXI Group: Shale Development in Ukraine (2012 – 2017)
- CRDF Global: Entrepreneurship and Innovation. Training and presentation on technology transfer and product development: Kazakhstan, Kyrgyzstan, and Tajikistan – 2011; International Shale Development, Ukraine 2012-2013

National Technical University of Oil and Gas, Ivano-Frankivsk, Ukraine

- Associate Professor, Department of Economics, 1996 – 2000
- Assistant Professor, Department of Economics, 1993 – 1996

Canadian-Ukrainian Project *Small Business and Economic Development of Ivano-Frankivsk (SBEDIF)*, Ukraine

- Manager of the Economic Development Program, SBEDIF and SBEDIF-RN projects funded by CIDA, 1996 – 2000, 2002 – 2004

PROFESSIONAL SERVICE AND AFFILIATIONS

Associate editor for *Economic Development Quarterly*. 2009 – present

Member of the Economic Advisory Group for JobsOhio. 2017 – present

Vice-chair of the Sustainability Advisory Committee for the International Economic Development Council. 2017 – present

Member of the Cleveland State University Research Council, 2012 – 2019

Member of the North American Regional Science Council

Member of the Urban Affairs Association

Member of the Industry Studies Association

Guest blogger at *Crain's Ohio Energy Report*. 2012 – 2016

PUBLICATIONS

Peer-Reviewed Articles:

Pasha, O., Wyczalkowski, C., Sohrabian, D., Lendel, I. (2020). Transit Effect on poverty, employment, and rent in Cuyahoga County, Ohio. *Transport Policy*, Vol. 88, 33-41.

Robert A. Simons, Andrew R. Thomas, Iryna Lendel, and Bryan Townley (2017). Fiscal and Economic Impact Analysis of Proposed Nexus Natural Gas Pipeline on the City of Green, Ohio: A Case Study. *Journal of Sustainable Real Estate: 2017*, Vol. 9, No. 1, pp. 86-111.

Lendel, Iryna and Haifeng Qian (2016). Inside the Great Recession: University Products and Regional Economic Development. *Growth and Change*. First published online: 5 FEB 2016 | DOI: 10.1111/grow.12151. <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291468-2257>.

Lendel, Iryna (2014). Social Impact of Shale Development on Municipalities. *The Bridge*. National Academy of Engineering. Vol. 44(2), 47-52.

Maryann P. Feldman, Lauren Lanahan, and Iryna Lendel (2014). Experiments in the Laboratories of Democracy: State Scientific Capacity Building. *Economic Development Quarterly*. Special Issue. Features guest editors Maryann P. Feldman and Lauren Lanahan, University of North Carolina, Chapel Hill, and Iryna V. Lendel, Cleveland State University, Cleveland, OH. May 2014. Published online June 13, 2013.

Lendel, Iryna (2013). Socio-Economic Potential of Shale Gas. *International Shale Gas and Oil Journal*. Vol. 2(1).

Lendel, Iryna (2010). Impact of Research Universities on Regional Economies through the Concept of University Products. *Economic Development Quarterly*. Vol. 24(3), 210-230.

Feldman, Maryann P. and Iryna Lendel (2010). Under the Lens: The Geography of Optical Science as an Emerging Industry. *Economic Geography*. Vol. 86(2), 147-171.

Hill, Edward W. and Iryna Lendel (2007). The impact of the reputation of bio-life science and engineering doctoral programs on regional economic development. *Economic Development Quarterly*. Vol. 21(3), 223-243.

Book Chapters:

- Feldman, Maryann and Iryna Lendel (2011). The Emerging Industry Puzzle: Optics Unplugged. Chapter in *Beyond Territory: Dynamic Geographies of Knowledge Creation, Diffusion, and Innovation*. Routledge, London and New York, pp. 107-148.
- Lendel, Iryna V., Philip Allen and Maryann Feldman (2009). University-Based Economic Growth. Chapter in *International Handbook of Higher Education*. Tight, M., J. Huisman, K.-H. Mok and C. Morpew (Eds.) Routledge, London and New York, pp. 381-396.
- Hill, Edward W. and Iryna Lendel (2005). Did 9/11 change Manhattan and the New York region as places to conduct business? Chapter in *Resilient City. The Economic Impact of 9/11*. Russell Sage Foundation, New York, pp.23-61.

SELECTED PROFESSIONAL REPORTS, 2011 – 2022

- Lendel, Iryna; Demko, Iryna; Figueroa, Georgina; and Saneda, Matthew, "The Impact of Covid-19 on Ohio's Supply Chain" (2022). Urban Publications. 0 1 2 3 1777. https://engagedscholarship.csuohio.edu/urban_facpub/1777
- Lendel, Iryna; Demko, Iryna; Corsi, Scott A.; and Frantz, Madeline. "Aspirational Industries for Workforce Development in Youngstown" (2022). Urban Publications. 0 1 2 3 1776. https://engagedscholarship.csuohio.edu/urban_facpub/1776
- Lendel, Iryna; Schnoke, Molly; and Madeline, Frantz, "Moving Cleveland Above the Trend: Polarization" (2022). Urban Publications. 0 1 2 3 1775. https://engagedscholarship.csuohio.edu/urban_facpub/1775
- Lendel, Iryna; Yochum, Jack; Frantz, Madeline; and Figueroa, Georgina, "Resource Gaps for Minority Entrepreneurs: Toledo Business Survey and Interviews Findings" (2022). Urban Publications. 0 1 2 3 1774. https://engagedscholarship.csuohio.edu/urban_facpub/1774
- Lendel, Iryna and Figueroa, Georgina Guadalupe, "The NASA John H. Glenn Research Center: An Economic Impact Study Fiscal Year 2021" (2022). Urban Publications. 0 1 2 3 1772. https://engagedscholarship.csuohio.edu/urban_facpub/1772
- Lendel, Iryna; Figueroa, Georgina Guadalupe; Demko, Iryna; and Yochum, Jack, "COVID-19 Impact on the Economic Vitality Index of Ohio's 88 Counties" (2022). Urban Publications. 0 1 2 3 1756. https://engagedscholarship.csuohio.edu/urban_facpub/1756
- Lendel, Iryna; Schnoke, Molly; and Frantz, Madeline M., "Moving Cleveland Above the Trend: Retirement Destinations" (2021). Urban Publications. 0 1 2 3 1753. https://engagedscholarship.csuohio.edu/urban_facpub/1753
- Lendel, Iryna V. and Naso, Mike, "Manufacturing in the 21st Century" (2021). Urban Publications. 0 1 2 3 1751. https://engagedscholarship.csuohio.edu/urban_facpub/1751
- Lendel, Iryna V.; Demko, Iryna; and Figueroa, Georgina G., "Opportunities for Youngstown in the Supply Chains of Northeast Ohio and Pittsburgh Economies" (2021). Urban Publications. 0 1 2 3 1745. https://engagedscholarship.csuohio.edu/urban_facpub/1745
- Lendel, Iryna V.; Piazza, Merissa; and Frantz, Madeline, "The Effect of the COVID-19 Pandemic on Ohio Manufacturing" (2021). Urban Publications. 0 1 2 3 1750. https://engagedscholarship.csuohio.edu/urban_facpub/1750
- Lendel, Iryna V.; Schnoke, Molly; and Corsi, Scott A., "Pandemic-Related Housing Assistance, July 2021" (2021). Urban Publications. 0 1 2 3 1741. https://engagedscholarship.csuohio.edu/urban_facpub/1741
- Lendel, Iryna V.; Schnoke, Molly; and Corsi, Scott A., "Pandemic-Related Business Assistance, July 2021" (2021). Urban Publications. 0 1 2 3 1740. https://engagedscholarship.csuohio.edu/urban_facpub/1740

- Lendel, Iryna V. and Yun, Jinhee, "The NASA Glenn Research Center: An Economic Impact Study Fiscal Year 2020" (2021). Urban Publications. 0 1 2 3 1737.
https://engagedscholarship.csuohio.edu/urban_facpub/1737
- Lendel, Iryna V.; Piazza, Merissa; Schnoke, Molly; and Kushner, Shneur, "Moving Cleveland Above the Trend: New Residential Centers" (2021). Urban Publications. 0 1 2 3 1728.
https://engagedscholarship.csuohio.edu/urban_facpub/1728
- Ellerbrock, Matthew; Demko, Iryna; Lendel, Iryna; and Henrichsen, Erica, "Economic Impact of the COVID-19 Pandemic on Ohio" (2021). Urban Publications. 0 1 2 3 1730.
https://engagedscholarship.csuohio.edu/urban_facpub/1730
- Lendel, Iryna V.; Schnoke, Molly; and Henrichsen, Erica, "Pandemic-Related Business Assistance, February 2021" (2021). Urban Publications. 0 1 2 3 1715.
https://engagedscholarship.csuohio.edu/urban_facpub/1715
- Demko, Iryna; Lendel, Iryna V.; and Figueroa, Georgina Guadalupe, "Navigating Government Statistics of Small Businesses for Pandemic Assistance" (2021). Urban Publications. 0 1 2 3 1713.
https://engagedscholarship.csuohio.edu/urban_facpub/1713
- Lendel, Iryna V.; Piazza, Merissa; Schnoke, Molly; and Walsh, Nora, "Moving Cleveland Above the Trend: Innovation & Talent" (2021). Urban Publications. 0 1 2 3 1697.
https://engagedscholarship.csuohio.edu/urban_facpub/1697
- Lendel, Iryna V.; Piazza, Merissa; Schnoke, Molly; and Kushner, Shneur, "Moving Cleveland Above the Trend: Entrepreneurship Policy" (2021). Urban Publications. 0 1 2 3 1721.
https://engagedscholarship.csuohio.edu/urban_facpub/1721
- Ellerbrock, Matthew; Whitman, Courtney; Lendel, Iryna V.; and Piazza, Merissa, "Economic Vitality Index: Mapping Ohio's 88 Counties" (2020). Urban Publications. 0 1 2 3 1720.
https://engagedscholarship.csuohio.edu/urban_facpub/1720
- Lendel, Iryna V.; Schnoke, Molly; and Henrichsen, Erica, "Pandemic Related Housing Assistance, December 2020" (2020). Urban Publications. 0 1 2 3 1709.
https://engagedscholarship.csuohio.edu/urban_facpub/1709
- Lendel, Iryna V.; Demko, Iryna; Ellerbrock, Matthew; Lefebvre, Rachel; and Figueroa, Georgina, "Economic Impact of CareSource on Dayton and Ohio" (2020). Urban Publications. 0 1 2 3 1694.
https://engagedscholarship.csuohio.edu/urban_facpub/1694
- Figueroa, Georgina; Ellerbrock, Matthew; and Lendel, Iryna V., "Jobless Pandemic: Geography of Layoffs and Opportunity Zones" (2020). Urban Publications. 0 1 2 3 1679.
https://engagedscholarship.csuohio.edu/urban_facpub/1679
- Demko, Iryna; Lendel, Iryna V.; Piazza, Merissa; Figueroa, Georgina; and Ellerbrock, Matthew, "Youngstown Economy: Recession and Path to Recovery" (2020). Urban Publications. 0 1 2 3 1680. https://engagedscholarship.csuohio.edu/urban_facpub/1680
- Lendel, Iryna V.; Piazza, Merissa; Schnoke, Molly; Yun, Jinhee; and Walsh, Nora, "Moving Cleveland Above the Trend: Benchmarking Regional Performance (Report)" (2020). Urban Publications. 0 1 2 3 1677. https://engagedscholarship.csuohio.edu/urban_facpub/1677
- Demko, Iryna; Piazza, Merissa; and Lendel, Iryna V., "NEO GRIDs Performance in 2020" (2020). Urban Publications. 0 1 2 3 1671. https://engagedscholarship.csuohio.edu/urban_facpub/1671
- Lendel, Iryna; Yun, Jinhee; and Whitman, Courtney, "The NASA Glenn Research Center: An Economic Impact Study Fiscal Year 2019" (2020). Urban Publications. Paper 1663.
https://engagedscholarship.csuohio.edu/urban_facpub/1663
- Demko, Iryna; Lendel, Iryna; and Piazza, Merissa, "From Economic Slowdown to Recession" (2020). Urban Publications. Paper 1660. https://engagedscholarship.csuohio.edu/urban_facpub/1660
- Lendel, Iryna; Demko, Iryna; Pasha, Obed; and Figueroa, Georgina, "The Role of Public Transportation in Youngstown" (2020). Urban Publications. Paper 1658.
https://engagedscholarship.csuohio.edu/urban_facpub/1658
- Lendel, Iryna; "Good Jobs: Employment and Wages in Groups of Regional Industrial Drivers" (2020). Urban Publications. Paper 1669. https://engagedscholarship.csuohio.edu/urban_facpub/1669

- Lendel, Iryna; Iryna Demko; and Matthew Ellerbrock, "2019 Cuyahoga County Economic Development Plan: Indicators and Projections Brief," (2019). Urban Publications. Paper 1616.
https://engagedscholarship.csuohio.edu/urban_facpub/1616
- Lendel, Iryna V.; Merissa Piazza, "Examining Inclusive Growth: Minority-Owned Firms in the Cleveland-Elyria MSA Brief. (2019). Urban Publications. Paper 1622.
https://engagedscholarship.csuohio.edu/urban_facpub/1622
- Lendel, Iryna V.; Jinhee Yun, "The NASA Glenn Research Center: An Economic Impact Study, Fiscal Year 2018," (2019). Urban Publications, 1613.
https://engagedscholarship.csuohio.edu/urban_facpub/1613
- Lendel, Iryna V.; Merissa Piazza, Iryna Demko, and Nick Zingale, "Disruptive Growth Through Co-Working Industry: Economic Impact of Potential Real Estate Market Intervention in Cleveland" (2019). Urban Publications. Paper 1610. https://engagedscholarship.csuohio.edu/urban_facpub/1610/
- Piazza, Merissa; Iryna Demko, Iryna V. Lendel, and Matthew B. Ellerbrock, "Local Front Runners: GRIDs in the 4 Northeast Ohio Metropolitan Areas" (2019). Urban Publications. Paper 1609.
https://engagedscholarship.csuohio.edu/urban_facpub/1609/
- Lendel, Iryna V.; Merissa Piazza; and Matthew Ellerbrock, "Lordstown GM Plant Closure Economic Impact Study" (2019). Urban Publications. Paper 1592.
https://engagedscholarship.csuohio.edu/urban_facpub/1592
- Lendel, Iryna V.; Iryna Demko; Merissa Piazza; Samuel Owusu-Agyemang; Matthew Ellerbrock; and Kyle Jarus, "Youngstown MSA: Growing Regional Industry Drivers (GRIDs)," (2019). Urban Publications. Paper 1591. https://engagedscholarship.csuohio.edu/urban_facpub/1591
- Lendel, Iryna V.; Obed Pasha; Dro Sohrabian; and Matthew Ellerbrock, "GCRTA Economic Impact and Contributions to Local Economy: Main Findings" (2019). Urban Publications. Paper 1593.
https://engagedscholarship.csuohio.edu/urban_facpub/1593
- Lendel, Iryna V.; and Matthew Ellerbrock, "Economic Impact of FRONT International: Cleveland Triennial for Contemporary Art -- An American City" (2018). Urban Publications. Paper 1578.
https://engagedscholarship.csuohio.edu/urban_facpub/1578
- Lendel, Iryna V.; Merissa Piazza; and Iryna Demko, "Northeast Ohio Front Runners: Groups of Regional Industry Drivers (GRIDs)," (2018). Urban Publications. Paper 1585.
https://engagedscholarship.csuohio.edu/urban_facpub/1585
- Lendel, Iryna V., "2018 Downstream Challenges and Opportunities" (2018). Urban Publication. Presentation, 1584. https://engagedscholarship.csuohio.edu/urban_facpub/1584
- Lendel, Iryna V.; Candi Clouse; Merissa Piazza; Ellen Cyran; Simon Husted; Dro Sohrabian; and Jinhee Yun, "Inside the Margins: A Cleveland Literature Industry Study," (2018). Urban Publications. Paper 1552. https://engagedscholarship.csuohio.edu/urban_facpub/1552
- Demko, Ira; Iryna V. Lendel; Candi Clouse, and Heather Smith, "Economic Impact of the La Villa Hispana and El Mercado Projects" (2018). Urban Publications. Paper 1563.
https://engagedscholarship.csuohio.edu/urban_facpub/1563
- Piazza, Merissa; Molly Schnoke; Nick F. Zingale; and Iryna V. Lendel, "Feasibility Analysis: BorderLight International Theatre Festival"(2018). Urban Publications. Paper 1549.
https://engagedscholarship.csuohio.edu/urban_facpub/1549
- Lendel, Iryna V.; Dro Sohrabian, "Eastern Ohio Shale Dashboard - March 1st, 2018," (2018). Urban Publications. Paper 1521. https://engagedscholarship.csuohio.edu/urban_facpub/1521
- Lendel, Iryna; Clouse, Candi; Piazza, Merissa; Cyran, Ellen; Husted, Simon; Laird, Nichole; Seaberg, Luke; and Yun, Jinhee, "Staging Cleveland: A Theater Industry Study" (2017). Urban Publications. Paper 1476. http://engagedscholarship.csuohio.edu/urban_facpub/1476
- Thomas, Andrew R.; Lendel, Iryna; and Kanter, Adam, "Analysis of Supply Chain Opportunities for Fuel Cell Buses Using Industrial Classifications" (2017). Urban Publications. Paper 1465.
http://engagedscholarship.csuohio.edu/urban_facpub/1465

- Lendel, Iryna; Hoover, Nathaniel; and Seaberg, Luke, "The NASA Glenn Research Center: An Economic Impact Study Fiscal Year 2016" (2017). Urban Publications. Paper 1495.
http://engagedscholarship.csuohio.edu/urban_facpub/149
- Clouse, Candi; Lendel, Iryna; Piazza, Merissa; and Seaberg, Luke, "The Economic Impact of the 2016 Republican National Convention" (2017). Urban Publications. Paper 1499.
http://engagedscholarship.csuohio.edu/urban_facpub/1499
- Lendel, Iryna; Hexter, Kathryn W.; Post, Charlie; Downer, Nick; Hoover, Nate; and Martis, Sydney, "Housing Impact of Shale Development in Eastern Ohio Update: February 2017" (2017). Urban Publications. Paper 1473. http://engagedscholarship.csuohio.edu/urban_facpub/1473
- Lendel, Iryna; Thomas, Andrew R.; and Townley, Bryan. Midstream Challenges and Downstream Opportunities in the Tri-State Region. Cleveland State University, Urban Publications. Paper 1413. http://engagedscholarship.csuohio.edu/urban_facpub/1413. September 2016. 76 p.
- Lendel, Iryna; Hexter, Kathryn W.; Post, Charlie; Downer, Nick; and Martis, Sydney. "Housing Impact of Shale Development in Eastern Ohio: October 2016." (2016) Cleveland State University, Urban Publications, 1418. http://engagedscholarship.csuohio.edu/urban_facpub/1418
- Hexter, Kathryn W.; Lendel, Iryna; Post, Charlie; Downer, Nick; and Martis, Sydney. "Housing Impact of Shale Development in Eastern Ohio." (2016) Cleveland State University, Urban Publications. Paper 1384. http://engagedscholarship.csuohio.edu/urban_facpub/1384
- Lendel, Iryna; Husted, Simon; Seaberg, Luke; and Alexander, Serena. "Best Practices of Creating Innovation Exchange Web Portals Across the States." (2016) Urban Publications. Paper 1361. http://engagedscholarship.csuohio.edu/urban_facpub/1361
- Simons, Robert A.; Thomas, Andrew R.; Lendel, Iryna; and Townley, Bryan. "Fiscal and Economic Impact Analysis of Proposed Nexus Natural Gas Pipeline on the City of Green, Ohio." (2016). Urban Publications. Paper 1347. http://engagedscholarship.csuohio.edu/urban_facpub/1347.
- Lendel, Iryna and Luke Seaberg. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2015. Cleveland State University, Urban Publications. Paper 1366. http://engagedscholarship.csuohio.edu/urban_facpub/1366. June 2016. 63p.
- Lendel, Iryna; Clouse, Candi; Cyran, Ellen; Guzman, Tatyana; Piazza, Merissa; Ryberg Webster, Stephanie; Post, Charlie; and Kalynchuk, Kenneth, "Ohio Historic Preservation Tax Credit Economic Impact Study" (2015). Urban Publications. Paper 1334. http://engagedscholarship.csuohio.edu/urban_facpub/1334
- Lendel, Iryna and Andrew Thomas. Mapping the Opportunities for Shale Development in Ohio. The Center for Economic Development and the Energy Policy Center, Cleveland State University. September 2015. 129p.
- Lendel, Iryna and Andrew Thomas. Economics of Utica Shale in Ohio: Workforce Analysis. The Center for Economic Development and the Energy Policy Center, Cleveland State University. September 2015. 41p.
- Lendel, Iryna and Andrew Thomas. Economics of Utica Shale in Ohio: Supply Chain Analysis. The Center for Economic Development and the Energy Policy Center, Cleveland State University. September 2015. 123p.
- Lendel, Iryna and Bryan Townley. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2014. Center for Economic Development, Cleveland State University. June 2015. 68p.
- Lendel, Iryna and Andrew Thomas. Understanding Ohio's Electricity Markets: Characteristics, Structure and Price. Prepared for Ohio Manufacturers' Association. Center for Economic Development, Cleveland State University. August 2014. 36p.
- Thomas, Andrew, Iryna Lendel, and Sunjoo Park. Electricity Markets in Ohio. White Paper. Center for Economic Development, Cleveland State University. July 2014. 48p.
- Alexander, Serena E., Wendy A. Kellogg, Iryna V. Lendel, Andrew R. Thomas, Nicholas C. Zingale. Water Resources Determining Ohio's Future: Water Efficiency Manual for Industrial, Commercial, and Institutional Facilities. Prepared for the Ohio Lake Erie Commission and Ohio Department of

- Natural Resources. Center for Economic Development, Cleveland State University. 06/2014. 106p.
- Lendel, Iryna and Eunkyoo Lee. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2012. Center for Economic Development, Cleveland State University. June 2013. 73p.
- Lendel, Iryna, et al. Forming Cleveland: A Visual Arts, Craft and Design Industry Study. Center for Economic Development, Cleveland State University. June 2013. 204p.
- Lendel, Iryna, Sunjoo Park, and Andrew Thomas. Moving Manufacturing Forward: Competitive Electricity Pricing. Center for Economic Development, Cleveland State University. February 2013. 40p.
- Thomas, Andrew and Iryna Lendel. Distributed Generation as a Response to Rising Electricity Cost in Ohio. Energy Policy Center and Center for Economic Development, Cleveland State University. February 2013. 36p.
- Hill, Edward, Iryna Lendel, and Fran Stewart. The State of Ohio's Steel Industry. Center for Economic Development, Cleveland State University. September 2012. 70p.
- Lendel, Iryna and Sunjoo Park. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2011. Center for Economic Development, Cleveland State University. June 2012. 65p.
- Thomas, A., I. Lendel, E. Hill, D. Southgate, and R. Chase. An Analysis of the Economic Potential for Shale Formations in Ohio. February 2012. 76p.
- Lendel, Iryna; Bliss, Sharon; Clouse, Candi; Piazza, Merissa; Austrian, Ziona; Hexter, Kathryn; Constantino, Renee; Hruby, Matthew. Remix Cleveland: The Cleveland Music Sector and Its Economic Impact. June 2011. 178p.
- Lendel, Iryna and Sunjoo Park. The NASA Glenn Research Center: An Economic Impact Study. Fiscal Year 2010. Center for Economic Development, Cleveland State University. April 2011. 62p.
- Lendel, Iryna and Sunjoo Park. Northeast Ohio High-Technology Economy Report. Center for Economic Development, Cleveland State University. February 2011. 40p.
- Hill, E., John Brandt, Iryna V. Lendel, et al. Pennsylvania's True Commonwealth: The State of Manufacturing – Challenges and Opportunities. Pennsylvania's Industrial Resource Centers (IRCs). February 2011. 211p.