

## Bibliography

- About: We Are Still In (2017). Retrieved from <https://www.wearestillin.com/about>
- Bates College (2018). *Sustainability at Bates*. Retrieved from: <https://www.bates.edu/sustainability/>
- Basu, P. (2010). *Biomass Gasification and Pyrolysis- Practical Design*. Burlington, MA. Elsevier.
- Bates, J. & Henry, S. (2009). Carbon factor for wood fuels for the Supplier Obligation Report. AEA Group. ED1858010- Issue 1.
- Bridgwater, A. (1995). The technical and economic feasibility of biomass gasification for power generation. *Fuel*, 74(5), 631-653. doi:10.1016/0016-2361(95)00001-1
- Carroll, L. (2015). Obama: America is No. 1 producer of oil, gas. Retrieved from: <https://www.politifact.com/truth-o-meter/statements/2015/jan/21/barack-obama/obama-america-no-1-producer-oil-gas/>
- Ciolkosz, D., et al. (2016). Pennsylvania Wood Energy Prospectus, *The Pennsylvania State Wood Energy Team* pp.01-37.
- Clean Air Technology Center(1999). *Nitrogen Oxides (NOx), Why and How They Are Controlled*. U.S. Environmental Protection Agency 456/F-99-006R. Retrieved from: <https://www3.epa.gov/ttnca1/dir1/fnoxdoc.pdf>
- Curtis, J. B., & Schwochow, S. D. (2008). From Reservoir to Burner Tip: A Primer on Natural Gas. Retrieved 2018, from [http://www.potentialgas.org/download/PGC08\\_NGPrimer.pdf](http://www.potentialgas.org/download/PGC08_NGPrimer.pdf)
- Emspak, J. (2018, October 27). How Fracking Affects Natural Gas Prices. Retrieved from <https://www.investopedia.com/articles/markets/080814/how-fracking-affects-natural-gas-prices.asp>
- Environmental Protection Agency (2018). Renewable Fuel Standard Program. Retrieved from: <https://www.epa.gov/renewable-fuel-standard-program>
- Environmental Protection Agency (2018). RIN Trades and Pricing Information. Retrieved from: <https://www.epa.gov/fuels-registration-reporting-and-compliance-help/rin-trades-and-price-information>
- EPA Center for Corporate Climate Leadership (2016). *Greenhouse Gas Inventory Guidance Direct Emissions from Mobile Combustion Sources*. U.S. Environmental Protection Agency. Retrieved from: [https://www.epa.gov/sites/production/files/2016-03/documents/mobileemissions\\_3\\_2016.pdf](https://www.epa.gov/sites/production/files/2016-03/documents/mobileemissions_3_2016.pdf)

- Gosselin, G. (2018). Ensyn Fuels, Lafayette College - November 16, 2018. *Ensyn Fuels Corporate Summary*.
- Gordon, W. (2017). Climate action progress foggy after five years. Retrieve from <https://www.lafayettestudentnews.com/blog/2017/03/10/climate-action-progress-foggy-after-five-years/>
- Growth Energy (2018). RINs 101: The Basics of Renewable Identification Numbers. Retrieved from: <https://growthenergy.org/2018/07/24/rins-101-the-basics-of-renewable-identification-numbers/>
- Gusev, M. (2018). Natural Gas Prices Forecast: Long Term 2018 to 2030 | Data and Charts - COMSTAT Data Hub. Retrieved from <http://comstat.comesa.int/ncszerf/natural-gas-prices-forecast-long-term-2018-to-2030-data-and-charts>
- Hultman, N. (2017). Trump's executive order on energy independence. Retrieved from <https://www.brookings.edu/blog/planetpolicy/2017/03/28/trumps-executive-order-on-energy-independence/>
- Kargbo, D. M., Wilhelm, R. G., & Campbell, D. J. (2010, June 2). Natural Gas Plays in the Marcellus Shale: Challenges and Potential Opportunities. Retrieved from <https://pubs.acs.org/doi/pdf/10.1021/es903811p>
- Kotrba, R. (2018). Oklahoma cellulosic diesel facility achieves D7 Q-RIN status. *Biomass Magazine*. Retrieved from: <http://biomassmagazine.com/articles/15144/oklahoma-cellulosic-diesel-facility-achieves-d7-q-rin-status>
- Kryzanowski, T. (2015, February). Spotlight Renewable fuel oil that can help fuel a sawmill ... Retrieved from: [http://www.ensyn.com/uploads/6/9/7/8/69787119/\\_\\_\\_logging-sawmill-journal.pdf](http://www.ensyn.com/uploads/6/9/7/8/69787119/___logging-sawmill-journal.pdf)
- Lafayette College Percent Change in Greenhouse Gas Emissions 2017 vs. Baseline 2008 and Emission Reduction Target Goals. (2017). Retrieved from <http://reporting.secondnature.org/institution/detail!3329##3329>
- Lafayette College Sustainability (n.d) Retrieved from: <https://sustainability.lafayette.edu/>
- Levine, S., Carpenter, P., & Thapa, A. (2014). Understanding Natural Gas Markets. Retrieved from <https://www.api.org/~media/Files/Oil-and-Natural-Gas/Natural-Gas-primer/Understanding-Natural-Gas-Markets-Primer-High.pdf>
- Lukac, et. al. (2014). Design methodology for wood chips moisture estimation determined for gasification. *EPJ Web Conferences*, 67, 02069. Pp. 1-4.

- Middlebury College Environmental Studies Senior Seminar (2009), Biomass Procurement at Middlebury College: Assessments and Recommendations. Retrieved from: <http://www.middlebury.edu/media/view/227881/original/ES401Fall09BiomassReport.pdf>
- Middlebury College (n.d.) "How Middlebury College Achieved Carbon Neutrality in 2016." Retrieved from: <http://www.middlebury.edu/sustainability/ourcommitment/carbon-neutrality/how-did-we-do-it->
- Mildenberger, M., Marlon, J., Howe, P., Leiserowitz, A. (2017). The spatial distribution of Republican and Democratic climate opinions at state and local scales. *Climatic Change*, vol. 145, issue 3, 539-548
- Miller, N. Christensen, A., Park, J., Baral, A. Malins, C. & Searle, S. (2013). Measuring and addressing investment risk in the second generation biofuels industry. *The International Council on Clean Transportation*. Retrieved from: [http://www.renewablejetfuels.org/sites/renewablejetfuels.org/files/resources/reports/ICCT\\_AdvancedBiofuelsInvestmentRisk\\_Dec2013.pdf](http://www.renewablejetfuels.org/sites/renewablejetfuels.org/files/resources/reports/ICCT_AdvancedBiofuelsInvestmentRisk_Dec2013.pdf)
- Moore, R. (n.d.). Natural Gas, from prospect to burner tip. *The Natural Gas Industry-Overview*. Retrieved from: <http://www.ncsl.org/documents/energy/JRMoore7-22-11.pdf>
- Morse, I. (2017). Lafayette's first sustainability director announced. Retrieved from: <https://www.lafayettestudentnews.com/blog/2016/09/30/lafayettes-first-sustainability-director-announced/>
- NASA (2018). Climate change causes: A blanket around the Earth. Retrieved from: <https://climate.nasa.gov/causes>
- National Institute of Environmental Health Sciences (2018). Hydraulic Fracturing and Health. Retrieved from: <https://www.niehs.nih.gov/health/topics/agents/fracking/index.cfm>
- Natural Gas Condensing Boiler. (n.d.). Retrieved from [https://www.google.com/search?q=natural gas boiler chart&source=lnms&tbn=isch&sa=X&ved=0ahUKEwjDg4vVkJ3fAhXGct8KHThbBnYQ\\_AUIDygC#imgrc=nGfAvS53ZAUXqM:](https://www.google.com/search?q=natural+gas+boiler+chart&source=lnms&tbn=isch&sa=X&ved=0ahUKEwjDg4vVkJ3fAhXGct8KHThbBnYQ_AUIDygC#imgrc=nGfAvS53ZAUXqM:)
- Osborn, S., Vengosh, A., Warner, N., Jackson, R. (2011) Methane contamination of drinking water accompanying gas-well drilling and hydraulic fracturing. *Proceedings of the National Academy of Sciences of the United States of America*. Retrieved from: 108 (20) 8172-8176; <https://doi.org/10.1073/pnas.1100682108>

- Palochko, J., & Radzievich, N. (2017, June 07). Lehigh Valley leaders pledge to uphold Paris climate agreement. Retrieved from <https://www.mcall.com/news/local/mc-easton-lafayette-paris-climate-agreement-20170606-story.html>
- Perrin, Richard K. (2018), "The Ethanol Renewable Identification Number Price Fight and Nebraska Agriculture." *Cornhusker Economics*. 949
- Pichamuthu, S. (October, 2018). Sustainability Committee holds open meeting, discusses biodiversity, sustainability month. Retrieved from: <https://www.lafayettestudentnews.com/blog/2018/10/26/final-sustainability-committee-holds-open-meeting-discusses-biodiversity-sustainability-month/>
- Ramstein, C., Goyal R., Gray, S. & and Kallhauge, A. (2018). *State and Trends of Carbon Pricing*. International Bank for Reconstruction and Development / The World Bank.  
Retrieved from: <https://openknowledge.worldbank.org/bitstream/handle/10986/29687/9781464812927.pdf?sequence=5&isAllowed=y>
- Schmidt, A., Fitzgerald, T., Lamendola, D., & Schleich, T. (2015). The Externalities Associated with Various Heating Sources at Bates College. *Community Engaged Research Reports*. 22.  
[https://scarab.bates.edu/community\\_engaged\\_research/22](https://scarab.bates.edu/community_engaged_research/22)
- The Paris Agreement. (2018). Retrieved from <https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>
- Tagliaferri, C., Evangelisti, S., Clift, R., & Lettieri, P. (2018). Life cycle assessment of a biomass CHP plant in UK: The Heathrow energy centre case. *Chemical Engineering Research & Design: Transactions of the Institution of Chemical Engineers Part A*, 133, 210–221.
- Themis Power Corporation (n.d.) *Gasification and Syngas Technology*. Retrieved from: <http://www.themispower.com/gasification-syngas-technology>
- Tropp, G. (2018, October 19). Updated climate action plan presented to Board of Trustees; Petition shows support for campus sustainability. Retrieved from <https://www.lafayettestudentnews.com/blog/2018/10/19/draft-update-climate-action-plan-presented-to-board-of-trustees-petition-provides-student-support-for-emission-reductions/>
- U.S. Energy Information Agency (2018). Annual Energy Outlook 2018 with projections to 2050. Retrieved from: <https://www.eia.gov/outlooks/aeo/pdf/AEO2018.pdf>
- U.S. Energy Information Agency (2018). MONTHLY DENSIFIED BIOMASS FUEL REPORT. Retrieved from: <https://www.eia.gov/biofuels/biomass/>

- Vermont Family Forests Biomass Assessment Team (2004). *Biomass Fuel Assessment for Middlebury College*. Retrieved from: <https://www.pfpi.net/wp-content/uploads/2011/03/MCBiomassReport.pdf>
- Wald, M. & Andrews, E. (2006), Call to Cut Foreign Oil Is a Refrain 35 Years Old. *The New York Times*. Retrieved from: <https://www.nytimes.com/2006/02/01/politics/call-to-cut-foreign-oil-is-a-refrain-35-years-old.html>
- Yang, S. (2018, November 14). Natural Gas Is Getting More Expensive, and So Could Heating Bills. Retrieved from <https://www.wsj.com/articles/natural-gas-is-getting-more-expensive-and-so-could-heating-bills-15421968>