

Course Schedule

Note: This schedule lists all the major assignments, assessments, and learning materials. There may be additional learning materials or activities assignments listed on ReggieNet. You will sign up for additional assignment dates. I may update this schedule to best serve the needs of our learning community. Exact due dates are found in ReggieNet.

I. INTRODUCTIONS

Week 1 (Monday 8/17 & Wednesday 8/19)

Learning Material:

- United States Energy Information Administration. n.d. “Renewable Energy Explained.” <https://www.eia.gov/energyexplained/renewable-sources/>.
- Helder, Marjolein. 2015. “Renewable Energy Is Not Enough: It Needs to Be Sustainable.” *World Economic Forum*. September 2. <https://www.weforum.org/agenda/2015/09/renewable-energy-is-not-enough-it-needs-to-be-sustainable/>.

Activities and Assessments:

- Three Things at Once
- Register for class Zoom meetings
- Class Introductions

II. BASICS, HISTORY & POLITICS

Week 2 (Monday 8/24 & Wednesday 8/26)

Learning Material:

- Malm, Andreas. 2013. “The Origins of Fossil Capital: From Water to Steam in the British Cotton Industry.” *Historical Materialism* 21 (1): 15–68. [Available through Milner](#) (54pp.)
- Research Assignments ([doc](#)) — The goal of this course is to write and present original research. This document includes all the instructions for assignments that help you build up to and complete this goal. Read it all over now and keep it in mind as we move through the course.
- Guest Lecture: Prof. Jin Jo, Sustainable and Renewable Energy Program , ISU

Activities and Assessments:

- Sign-ups: check-in 1, periodical reports, reading presentations, and research presentations

Week 3 (Monday 8/31 & Wednesday 9/2)

Learning Material:

- Mitchell, Timothy. 2011. "Machines of Democracy," in *Carbon Democracy: Political Power in the Age of Oil*. London: Verso, pp. 1–42. PDF (29pp.)

Activities and Assessments:

- Reading response 1
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)

Week 4 (Monday 9/7 [Labor Day] & Wednesday 9/9)

Learning Material:

- Usher, Bruce. 2019. "The Rise of Renewables," "Renewable Wind Energy," and "Renewable Solar Energy," in *Renewable Energy: A Primer for the Twenty-First Century*. Columbia University Press, pp. 21–53. [Available through Milner](#) (26pp.)
- Sovacool, Benjamin K. 2013. "Affordability and Fuel Poverty in England," in *Energy and Ethics: Justice and the Global Energy Challenge*. New York: Palgrave Macmillan, pp. 43–65. [Available through Milner](#) (22pp.)

Activities and Assessments:

- Reading response 2
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)

*III. RENEWABLES, JUSTICE & SOCIAL SUSTAINABILITY***Week 5 (Monday 9/14 & Wednesday 9/16)**

Learning Material:

- Schlosberg, David. 2013. "Theorising Environmental Justice: The Expanding Sphere of a Discourse." *Environmental Politics* 22 (1): 37–55. PDF (18pp.)
- de Fine Licht, Karl, and Anna Folland. 2019. "Defining 'Social Sustainability': Towards a Sustainable Solution to the Conceptual Confusion." *Etikk i Praksis - Nordic Journal of Applied Ethics*, no. 2 (November): 21–39. <https://doi.org/10.5324/eip.v13i2.2913>. (18pp.)

Activities and Assessments:

- **Additional Monday Meeting with Grace Allbaugh** (subject librarian)
- Library Research Assignment
- Reading response 3
- Sign-up for check in 2
- Field map (entry 1)

- Periodical reports (per sign-up)
- Reading presentations (per sign-up)

Week 6 (Monday 9/21 & Wednesday 9/23)

Learning Material:

- Banerjee, Aparajita, Emily Prehoda, Roman Sidortsov, and Chelsea Schelly. 2017. "Renewable, Ethical? Assessing the Energy Justice Potential of Renewable Electricity." *AIMS Energy*, 5(5): 768–797. <https://doi.org/10.3934/energy.2017.5.768>. (29pp.)

Activities and Assessments:

- Reading response 4
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)

Week 7 (Monday 9/28 & Wednesday 9/30)

Learning Material:

- Schwenkenbecher, Anne, and Martin Brueckner. Forthcoming. "Renewables." In *Routledge Companion to Environmental Ethics*, edited by Benjamin Hale and Andrew Light. Routledge. Available at <https://philpapers.org/archive/SCHRE-5.pdf>. (20pp.)

Activities and Assessments:

- Reading response 5
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)
- Field map (entry 2)

Week 8 (Monday 10/5 & Wednesday 10/7)

Activities and Assessments:

- Presentation of midterm paper outline
- **Midterm paper (due Sunday 10/11 @ 11:55 pm)**

IV. ENERGY DEMOCRACY

Week 9 (Monday 10/12 & Wednesday 10/14)

Learning Material:

- Szulecki, Kacper. 2018. "Conceptualizing Energy Democracy." *Environmental Politics* 27 (1): 21–41. <https://doi.org/10.1080/09644016.2017.1387294>. (20pp.)

- Schwenkenbecher, Anne. 2017. "What Is Wrong with Nimbys? Renewable Energy, Landscape Impacts and Incommensurable Values." *Environmental Values* 26 (6): 711–732. PDF (21pp.)
- Penn, Ivan, Peter Eavis, and James Glanz. 2019. "California Wildfires: How PG&E Ignored Risks in Favor of Profits." *The New York Times*, March 18. [Available through Milner.](#)
- Stephens, Jennie C. 2019. "Energy Democracy: Redistributing Power to the People Through Renewable Transformation." *Environment: Science and Policy for Sustainable Development* 61 (2): 4–13. <https://doi.org/10.1080/00139157.2019.1564212>.

Activities and Assessments:

- Contribution to Learning Community (first self-assessment)
- Reading response 6
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)
- Sign-up for check in 3

V. Energy & Indigenous Justice

Week 10 (Monday 10/19 & Wednesday 10/21)

Learning Material:

- Johnson, Taylor N. 2019. "The Dakota Access Pipeline and the Breakdown of Participatory Processes in Environmental Decision-Making." *Environmental Communication* 13 (3): 335–52. PDF (ILL) (18pp)
- Whyte, Kyle Powys. 2016. "Why the Native American Pipeline Resistance in North Dakota Is about Climate Justice." *The Conversation*, September 16. <http://theconversation.com/why-the-native-american-pipeline-resistance-in-north-dakota-is-about-climate-justice-64714>.
- Dhillon, Jaskiran. 2017. "What Standing Rock Teaches Us About Environmental Justice." *Items* (blog). December 5. <https://items.ssrc.org/just-environments/what-standing-rock-teaches-us-about-environmental-justice/>.
- Lakhani, Nina. 2020. "Revealed: Oil Giants Help Fund Powerful Police Groups in Top US Cities." *The Guardian*, July 27. <https://www.theguardian.com/us-news/2020/jul/27/fossil-fuels-oil-gas-industry-police-foundations>.

Activities and Assessments:

- Reading response 7
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)
- Field map (entry 3)

VI. CLIMATE CHANGE & ENERGY JUSTICE

Week 11 (Monday 10/26 & Wednesday 10/28)

Learning Material:

- Shaw, Karena. 2011. "Climate Deadlocks: The Environmental Politics of Energy Systems." *Environmental Politics* 20 (5): 743–63. PDF (20pp.)
- Moellendorf, Darrel. 2015. "Climate Change Justice." *Philosophy Compass* 10 (3): 173–86. <https://doi.org/10.1111/phc3.12201>. (13pp.)

Activities and Assessments:

- Reading response 8
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)
- Field map (entry 4)

Week 12 (Monday 11/2 & Wednesday 11/4)

Learning Material:

- Kolstad, Charles, et al. 2014. "Social, Economic and Ethical Concepts and Methods." In *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, edited by Edenhofer, O., et al. Cambridge, UK: Cambridge University Press. https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc_wg3_ar5_chapter3.pdf. (50pp.)

Activities and Assessments:

- Reading response 9
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)

Week 13 (Monday 11/9 & Wednesday 11/11)

Learning Material:

- Hestres, Luis E., and Jill E. Hopke. 2020. "Fossil Fuel Divestment: Theories of Change, Goals, and Strategies of a Growing Climate Movement." *Environmental Politics* 29 (3): 371–89. PDF (18pp.)
- Sovacool, Benjamin K. 2013. "Information and the Extractive Industries Transparency Initiative," in *Energy and Ethics: Justice and the Global Energy Challenge*. New York: Palgrave Macmillan, pp. 90–111. [Available through Milner](#) (21pp.)
- Sovacool, Benjamin K. 2013. "Conclusion—Conceptualizing Energy Justice," in *Energy and Ethics: Justice and the Global Energy Challenge*. New York: Palgrave Macmillan, pp. 218–27. [Available through Milner](#) (9pp.)

- Banerjee, Neela. 2015. "Exxon's Oil Industry Peers Knew About Climate Dangers in the 1970s, Too." *Inside Climate News*, December 22. <http://insideclimatenews.org/news/22122015/exxon-mobil-oil-industry-peers-knew-about-climate-change-dangers-1970s-american-petroleum-institute-api-shell-chevron-texaco>.
- Banerjee, Neela, Lisa Song, and David Hasemyer. 2015. "Exxon's Own Research Confirmed Fossil Fuels' Role in Global Warming Decades Ago." *Inside Climate News*, September 16. <http://insideclimatenews.org/news/15092015/Exxons-own-research-confirmed-fossil-fuels-role-in-global-warming>.

Activities and Assessments:

- Reading response 10
- Periodical reports (per sign-up)
- Reading presentations (per sign-up)
- Field map (entry 5)

Week 14 (Monday 11/16 & Wednesday 11/18)

Activities and Assessments:

- Presentations (according to sign-up schedule)

Week 15 (Monday 11/23 & Wednesday 11/25)

Thanksgiving Break — No classes

Week 16 (Monday 11/30 & Wednesday 12/2)

Activities and Assessments:

- Presentations (according to sign-up schedule)
- Peer assessment
- Contribution to Learning Community (second self-assessment)

Final Exam Date to be determined by the registrar. It will be posted on ReggieNet once it is announced. Final papers will be due on this day.

Bibliography

* denotes assigned reading

Aklin, Michaël, and Johannes Urpelainen. 2018. *Renewables: The Politics of a Global Energy Transition*. Cambridge: MIT Press.

Baker, Shalanda. 2016. "Mexican Energy Reform, Climate Change, and Energy Justice in Indigenous Communities." *Natural Resources Journal* 56 (2): 369. <https://digitalrepository.unm.edu/nrj/vol56/iss2/9>.

- *Banerjee, Aparajita, Emily Prehoda, Roman Sidortsov, and Chelsea Schelly. 2017. "Renewable, Ethical? Assessing the Energy Justice Potential of Renewable Electricity." *AIMS Energy*, 5(5): 768–797. <https://doi.org/10.3934/energy.2017.5.768>.
- *Banerjee, Neela. 2015. "Exxon's Oil Industry Peers Knew About Climate Dangers in the 1970s, Too." *Inside Climate News*, December 22. <http://insideclimatenews.org/news/22122015/exxon-mobil-oil-industry-peers-knew-about-climate-change-dangers-1970s-american-petroleum-institute-api-shell-chevron-texaco>.
- *Banerjee, Neela, Lisa Song, and David Hasemyer. 2015. "Exxon's Own Research Confirmed Fossil Fuels' Role in Global Warming Decades Ago." *Inside Climate News*, September 16. <http://insideclimatenews.org/news/15092015/Exxons-own-research-confirmed-fossil-fuels-role-in-global-warming>.
- Biezenbos, Kristen van de. 2018. "Negotiating Energy Democracy." *Journal of Land Use & Environmental Law* 33 (2): 331–42. <https://doi.org/10.1080/09644016.2018.1427824>.
- Boscov-Ellen, D. 2019. "A Responsibility to Revolt? Climate Ethics in the Real World." *Environmental Values*. Made available online June 19. <https://doi.org/10.3197/096327119X15579936382617>.
- Broome, John. 2012. *Climate Matters: Ethics in a Warming World*. New York: W.W. Norton & Company.
- Carley, Sanya. 2011. "Normative Dimensions of Sustainable Energy Policy." *Ethics, Policy & Environment* 14 (2): 211–29. <https://doi.org/10.1080/21550085.2011.578382>.
- Chapman, Andrew J., Benjamin C. McLellan, and Tetsuo Tezuka. 2018. "Prioritizing Mitigation Efforts Considering Co-Benefits, Equity and Energy Justice: Fossil Fuel to Renewable Energy Transition Pathways." *Applied Energy* 219 (June): 187–98. <https://doi.org/10.1016/j.apenergy.2018.03.054>.
- Curran, Giorel. 2019. "Is Renewable Energy Still Green? Shaping Australia's Renewable Energy Enterprise in an Age of Ecological Modernisation." *Environmental Politics* 28 (5): 950–69. <https://doi.org/10.1080/09644016.2018.1510215>.
- *de Fine Licht, Karl, and Anna Folland. 2019. "Defining 'Social Sustainability': Towards a Sustainable Solution to the Conceptual Confusion." *Etikk i Praksis - Nordic Journal of Applied Ethics*, no. 2 (November): 21–39. <https://doi.org/10.5324/eip.v13i2.2913>.
- *Dhillon, Jaskiran. 2017. "What Standing Rock Teaches Us About Environmental Justice." *Items* (blog). December 5. <https://items.ssrc.org/just-environments/what-standing-rock-teaches-us-about-environmental-justice/>.
- Fraser, Timothy, and Andrew John Chapman. 2018. "Social Equity Impacts in Japan's Mega-Solar Siting Process." *Energy for Sustainable Development* 42 (February): 136–51. <https://doi.org/10.1016/j.esd.2017.11.002>.
- Goddard, George, and Megan A. Farrelly. 2018. "Just Transition Management: Balancing Just Outcomes with Just Processes in Australian Renewable Energy Transitions." *Applied Energy* 225 (September): 110–23. <https://doi.org/10.1016/j.apenergy.2018.05.025>.
- Godoy, E.S. 2017. "Sharing Responsibility for Divesting from Fossil Fuels." *Environmental Values*, 26 (Dec): 693–210. <https://doi.org/10.3197/096327117X15046905490344>.
- *Helder, Marjolein. 2015. "Renewable Energy Is Not Enough: It Needs to Be Sustainable." *World Economic Forum*. September 2. <https://www.weforum.org/agenda/2015/09/renewable-energy-is-not-enough-it-needs-to-be-sustainable/>.

- *Hestres, Luis E., and Jill E. Hopke. 2020. "Fossil Fuel Divestment: Theories of Change, Goals, and Strategies of a Growing Climate Movement." *Environmental Politics* 29 (3): 371–89. <https://doi.org/10.1080/09644016.2019.1632672>.
- High, Mette M. and Jessica M. Smith, eds. 2019. Energy and Ethics? Special Issue, *Journal of the Royal Anthropological Institute*, 25(S1).
- *Johnson, Taylor N. 2019. "The Dakota Access Pipeline and the Breakdown of Participatory Processes in Environmental Decision-Making." *Environmental Communication* 13 (3): 335–52. <https://doi.org/10.1080/17524032.2019.1569544>.
- *Kolstad, Charles, Kevin Urama, John Broome, Annegrete Bruvoll, Micheline Cariño Olvera, Don Fullerton, Christian Gollier, et al. 2014. "Social, Economic and Ethical Concepts and Methods." In *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, edited by Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx. Cambridge, UK: Cambridge University Press. Available at https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc_wg3_ar5_chapter3.pdf
- Krupa, Joel, Lindsay Galbraith, and Sarah Burch. 2015. "Participatory and Multi-Level Governance: Applications to Aboriginal Renewable Energy Projects." *Local Environment* 20 (1): 81–101. <https://doi.org/10.1080/13549839.2013.818956>.
- *Lakhani, Nina. 2020. "Revealed: Oil Giants Help Fund Powerful Police Groups in Top US Cities." *The Guardian*, July 27. <https://www.theguardian.com/us-news/2020/jul/27/fossil-fuels-oil-gas-industry-police-foundations>.
- Lenferna, G. A. 2018. 'Divestment as climate justice'. In S. G. Jacobsen (ed.), *Climate Justice and the Economy: Social Mobilization, Knowledge and the Political*, pp. 84–109.
- Lorenz-Meyer, Dagmar. 2017. "Becoming Responsible with Solar Power? Extending Feminist Imaginings of Community, Participation and Care." *Australian Feminist Studies* 32 (94): 427–44. <https://doi.org/10.1080/08164649.2017.1466652>.
- Lowan-Trudeau, Gregory. 2017. "Indigenous Environmental Education: The Case of Renewable Energy Projects." *Educational Studies* 53 (6): 601–13. <https://doi.org/10.1080/00131946.2017.1369084>.
- *Malm, Andreas. 2013. "The Origins of Fossil Capital: From Water to Steam in the British Cotton Industry." *Historical Materialism* 21 (1): 15–68. <https://doi.org/10.1163/1569206X-12341279>.
- *Mitchell, Timothy. 2011. *Carbon Democracy: Political Power in the Age of Oil*. London: Verso.
- *Moellendorf, Darrel. 2015. "Climate Change Justice." *Philosophy Compass* 10 (3): 173–86. <https://doi.org/10.1111/phc3.12201>.
- Mormann, Felix. 2019. "Clean Energy Equity." *Utah Law Review* 2: 335–81. <https://www.utahlawreview.org/article/9444-clean-energy-equity>.
- Obama, Barack. 2017. "The Irreversible Momentum of Clean Energy." *Science*, 355(6321): 126–29. <https://science.sciencemag.org/content/355/6321/126>
- Oreskes, Naomi, and Eric M. Conway. 2010. *Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming*. New York: Bloomsbury.
- *Penn, Ivan, Peter Eavis, and James Glanz. 2019. "California Wildfires: How PG&E Ignored Risks in Favor of Profits." *The New York Times*, March 18. <https://www-nytimes-com.libproxy.lib.ilstu.edu/interactive/2019/03/18/business/pge-california-wildfires.html>.

- Sayegh, Alexandre Gajevic. 2019. "Pricing Carbon for Climate Justice." *Ethics, Policy & Environment* 22 (2): 109–30. <https://doi.org/10.1080/21550085.2019.1625532>.
- *Schlosberg, David. 2013. "Theorising Environmental Justice: The Expanding Sphere of a Discourse." *Environmental Politics* 22 (1): 37–55. <https://doi.org/10.1080/09644016.2013.755387>.
- *Schwenkenbecher, Anne. 2017. "What Is Wrong with Nimbys? Renewable Energy, Landscape Impacts and Incommensurable Values." *Environmental Values* 26 (6): 711–732. <https://doi.org/10.3197/096327117X15046905490353>.
- *Schwenkenbecher, Anne, and Martin Brueckner. Forthcoming. "Renewables." In *Routledge Companion to Environmental Ethics*, edited by Benjamin Hale and Andrew Light. Routledge. Available at <https://philpapers.org/archive/SCHRE-5.pdf>.
- *Shaw, Karena. 2011. "Climate Deadlocks: The Environmental Politics of Energy Systems." *Environmental Politics* 20 (5): 743–63. <https://doi.org/10.1080/09644016.2011.608538>.
- Smil, Vaclav. 2017. *Energy and Civilization: A History*. Cambridge: MIT Press.
- *Sovacool, Benjamin K. 2013. *Energy and Ethics: Justice and the Global Energy Challenge*. New York, NY: Palgrave Macmillan.
- . 2014. *Global Energy Justice: Problems, Principles, And Practices*. Cambridge: Cambridge University Press.
- *Stephens, Jennie C. 2019. "Energy Democracy: Redistributing Power to the People Through Renewable Transformation." *Environment: Science and Policy for Sustainable Development* 61 (2): 4–13. <https://doi.org/10.1080/00139157.2019.1564212>.
- *Szulecki, Kacper. 2018. "Conceptualizing Energy Democracy." *Environmental Politics* 27 (1): 21–41. <https://doi.org/10.1080/09644016.2017.1387294>.
- *United States Energy Information Administration. n.d. "Renewable Energy Explained." Accessed August 7, 2020. <https://www.eia.gov/energyexplained/renewable-sources/>.
- *Usher, Bruce. 2019. *Renewable Energy: A Primer for the Twenty-First Century*. New York: Columbia University Press.
- Vaughan, A. 2015. "Fossil fuel divestment: A brief history." *The Guardian*, 8 October. Available at: <http://www.theguardian.com/environment/2014/oct/08/fossil-fuel-divestment-a-brief-history> (accessed 2 Jul 2015).
- *Whyte, Kyle Powys. 2016. "Why the Native American Pipeline Resistance in North Dakota Is about Climate Justice." *The Conversation*, September 16. <http://theconversation.com/why-the-native-american-pipeline-resistance-in-north-dakota-is-about-climate-justice-64714>