

## ENV5226 – Energy Policy in a Carbon Constrained World

### First Week Readings

All resources are available on ENV5226 Canvas webpage.

#### **Class 1 – Introduction to Energy Policy in a Carbon Constrained World – The Challenge**

In our first class, we will discuss the big questions and themes of the course. Like, why are we here? What do we want to accomplish over the next 28 classes? What do you want to take away from Energy Policy in a Carbon Constrained World? We will spend the first part of the class going over the syllabus, the course goals, getting to know each other, and discussing student and professor expectations. The second half of the class will focus on how to evaluate energy problems and create energy solutions.

#### Learning Materials

1. IPCC, 2021: *Summary for Policymakers. In: 6<sup>th</sup> Assessment*. For this reading, skim sections A-C and understand what each of the graphs is presenting. Read Section D.
2. Emily Atkin, Heated Newsletter, *I Don't Like IPPC Report Day*, August 9, 2021.
3. Emily Atkin, Heated Newsletter, *What Can I Do? Anything*, July 12, 2021.
4. Sandia National Laboratory and [oureenergypolicy.org](http://oureenergypolicy.org), *The Goals of Energy Policy: Professional Perspectives on Energy Security, Economics, and the Environment* (2012)  
[https://www.oureenergypolicy.org/wp-content/uploads/2012/09/The-Goals-of-Energy-Policy-Sandia-and-OurEnergyPolicy.org\\_.pdf](https://www.oureenergypolicy.org/wp-content/uploads/2012/09/The-Goals-of-Energy-Policy-Sandia-and-OurEnergyPolicy.org_.pdf).
5. Sovacool, Brown, and Valentine, *Fact and Fiction in Global Energy Policy: 15 Contentious Questions*, pages 345-352. (This short reading will help frame out the discussion framework that will be employed for the rest of the class)

#### **Class 2 – The Energy Transition**

In this class, we will look at the overall structure of the course and our guiding theme, how to transition to a low-carbon economy equitably and quickly.

#### Learning Materials

1. Amory Lovins, Energy Strategy: *The Road Not Taken?* Foreign Affairs (October 1976, reprinted in Friends of the Earth's *Man Apart*, Volume 6, November 1977). (15 pages)
2. IPCC, 2021: *Summary for Policymakers. In: 6<sup>th</sup> Assessment*. Read Section D. Skim Sections A-C, understand what is happening in each of the graphs and the range of potential impacts for each of the five scenarios.
3. Project Drawdown, *The Drawdown Review: Climate Solutions for a New Decade* (March 2020). (Read pages 2-23 and 37-41) As you read, think critically about the size and scope of the challenge and the timelines for making the necessary changes.
4. Leah Stokes and Hanna Breetz, *Politics in the U.S. energy transition, Case studies of solar, wind, biofuels and electric vehicles policy*, Energy Policy 113 (2018) 76-86.