

# Homework Five

## Physics and Math of Sustainable Energy

### College of the Atlantic

Due Friday, October 17, 2025

There are two parts to this assignment.

**Part 1: WeBWorK.** Do Homework 05 which you will find the WeBWorK page here: <https://webwork-hosting.runestone.academy/webwork2/coa-feldman-es1056i-fall12025> I recommend doing the WeBWorK part of the homework first. This will enable you to benefit WeBWorK's instant feedback before you do part two.

**Part 2: Problems from the Textbook.** Here are some instructions for how to submit this part of the assignment.

- Do the problems by hand using pencil (or pen) and paper. There is no need to type this assignment.
- If you like working on a tablet, go for it.
- Make a pdf scan of your work using genius scan or some similar scanning app. Please make the homework into a single pdf, not multiple pdfs.
- Submit the assignment on google classroom. Please don't email it to me. (Between my two classes I will be receiving around 60 assignments a week. Keeping track of them all in email is challenging.)

The problems you should do are from **Chapters 11 and 12** of the book:

#### Chapter 11

1. 11.1
2. 11.4 **Important:** Do this for Cottage, not Davis. This way you can use your answers from problem 7.4 (from last week). Note: This should not involve a long calculation!

#### Chapter 12

1. 12.4
2. 12.5
3. 12.6
4. 12.7
5. 12.8

Information about how to access the book is on the pinned post on google classroom.