

Homework Five
Physics & Mathematics of Sustainable Energy
College of the Atlantic
Due Friday, October 13, 2017

Please print out this cover sheet and attach it to your problem solutions. Completed assignments should go in my mailbox or be handed in during class. Please don't hand them to me other times, as I might end up losing them and that would make us both sad.

Your Name: _____

Please list all the students you collaborated with on this assignment:

Did you get help from Anita or Alba?

Did you consult any resources other than our textbook or classnotes? (If yes, please include citations in your solutions.)

Were you able to get enough help so you could complete this assignment to your satisfaction?

Approximately how many hours did you spend on this assignment?

Anything else of note about this assignment? (It was too hard, too easy, lots of fun, too repetitious...)

The work I am turning in for this assignment is an accurate reflection of my own understanding of the material.

Signature: _____ Date: _____

Assignment:

- WeBWorK HomeworkFive (<https://courses1.webwork.maa.org/webwork2/coa-es10341/>)
- Chapter 7 of SEFaS: 7.1 and 7.6. For number 6, you can use a spreadsheet or a calculator.
- Optional but recommended: Exercise 5 from Chapter 7. This problem leads you through some calculator calculations that will help you think about what the IRR means. Strongly suggested for those interested in finance.
- Optional: Chapter 6, problem 11. (If you know calculus, you can solve this problem exactly, either by summing a geometric series or by approximating the series by an integral.) This problem is recommended only for those who want a computer and/or a calculus problem.