HW 3 will be posted soon.

Class Project:

Port 1: Choosing a topic
- write a short abstract describing your project
- outline

Due March 29

Port 2 due May 3

Port 3 will be a short review of other student projects, due May 10
Converter will act like diode rectifier
offshore wind farm

 WF

 HVDC converter

 cable

 coast

 sea electrode
- measure $V_{ABC}$ for

1. Synchronization
2. Find $I_{Dref}$ and $I_{Qref}$ from $P_{ref}$ and $Q_{ref}$

$q = \frac{3}{2}(-V_d i_q)$
Some applications need to regulate 11V at point "a"

Regulator

Terminal P

Terminal N

V_ref

V meas.