

PPT WIND SCHOOL SYLLABUS

GENERAL INFORMATION

Description

The purpose of this course is primarily to train newly hired analysts and field engineers on the development process for *Wind for Industry*® projects. The course will focus on the entire life cycle of developing a wind project. This includes not only the reports that are created, but all other tasks involved from initial conversations with the customer, to the Initial Evaluation, the formal execution of the PPA, the Project Due Diligence Package, and the hand-off to construction.

Expectations and Goals

Analysts and Field Engineers that go through PPT Wind School will be expected to be able to complete a Project Due Diligence Package by the end of the course. This includes using all tools related to the Wind Resource Assessment, Project Performance Report, and Feasibility Studies. All Analysts and Field Engineers should be able to explain, in detail, One Power's methodologies and how they compare to the rest of the industry.

All are welcome to attend the course.

COURSE LOCATION

Training Room - North Findlay Wind Campus

Courses will be streamed live via Google Meet

Courses will be recorded and made available on the Intranet

COURSE MATERIALS

Required Materials

Your computer is required for every class, unless otherwise directed. Please have a copy of the required reading available at each class.

Required Reading

- **Wind Resource Assessment Methodologies**
- **Project Performance Report Methodologies**
- **Project Siting Methodologies**

- **Site Utility and Project Sizing Methodologies**
- **Project Due Diligence Package** (Most recent version)

COURSE TOPICS

1. PPT Overview
2. Wind Basics
 - a. Wind 101
 - b. Wind 102
3. Wind Project Development
 - a. Developing a Wind Project Part 1
 - b. Developing a Wind Project Part 2
4. Project Due Diligence Package Overview
5. Project Siting
 - a. Siting Basics
 - b. Siting using ArcGIS
 - c. External Requirements/Case Study
 - d. Site Visits
6. Wind Resource Assessment
 - a. Overview
 - b. Datasets
 - c. Terrain Complexity and Environmental Conditions
 - d. Site Conditions
 - e. Energy Production
 - f. Continuum
7. Project Performance Report
 - a. Overview
 - b. Exceedance Software
8. Site Utility Analysis and Project Sizing
9. Feasibility Studies
10. Project Financials
 - a. Project Finance Basics
 - b. Renewable Energy Agreement Overview
11. Regulatory Overview
12. Turbine Information
13. Instrumentation: LiDAR
14. Land, Construction, Engineering
 - a. Third Party Assessments
 - b. Microsittings and Drawings

15. Report Writing

ADDITIONAL INFORMATION AND RESOURCES

Additional training videos and resources are available on the Intranet under Departmental Resources/Training. Other supplementary resources are also available upon request.