

# PPT Wind School Syllabus

Winter 2018/2019

## Instructor Information

### Instructor(s)

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## 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 “Detailed Evaluation” portion of the development process. This includes not only the Detailed Evaluation report, but all other tasks involved between the initial evaluation, the formal execution of the PPA, and the start of construction.

Since some of the classes in this full course have already been taught in a different format, this course will start with class 3 and then jump to class 9. All versions of this course hereafter will follow the standard class schedule.

### Expectations and Goals

Analysts and Field Engineers that go through the PPT Wind School will be expected to be able to complete a Detailed Evaluation 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 Energy’s methodologies and how they compare to the rest of the industry.

All are welcome to attend the course, but the primary goal will be to train the PPT department.

## Course Location

Training Room

North Findlay Wind Campus

## 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** v2018.0 Publish Date: June 25, 2018

**Project Performance Report Methodologies** v2018.0, Publish Date: June 25, 2018

**Site Specific Methodologies** v2018.0, Publish Date: June 25, 2018

**Detailed Evaluation** (Most recent version)

## Course Schedule

Day	Date	Time	Topic(s)	Homework
<b>Thurs</b>	6 Dec. 2018	7 – 8:30 am	3. An Introduction to Wind Part 1	Read most recent DE and Methodologies
<b>Mon</b>	10 Dec. 2018	7 – 8:30 am	4. An Introduction to Wind Part 2	
<b>Wed</b>	12 Dec. 2018	7 – 8:30 am	9. PPR Part 2– Performance Factors	
<b>Wed</b>	19 Dec. 2018	7 – 8:30 am	11. Feasibility Studies – Zone Selection	
<b>Thurs</b>	20 Dec. 2018	7 – 8:30 am	12. Feasibility Studies - Examples	
<b>Thurs</b>	3 Jan. 2019	7 – 8:30 am	13a. Financials 13b. Zoning	
<b>Tues</b>	8 Jan. 2019	7 – 8:30 am	14a. 3 <sup>rd</sup> Party Studies 14b. Engineering	
<b>Thurs</b>	10 Jan. 2019	7 – 8:30 am	15. Report Writing a. Approval Process b. Independent Engineer	
<b>Tues</b>	15 Jan. 2019	7 – 8:30 am	16. FAA Process	
<b>Thurs</b>	17 Jan. 2019	7 – 8:30 am	17. Turbine Suitability	
<b>Tues</b>	29 Jan. 2019	7 – 8:30 am	18. Next Steps: a. Micrositing b. Land Acquisition c. Close Out Documentation	
<b>Thurs</b>	31 Jan. 2019	7 – 8:30 am	19. Next Steps a. Material Change of Circumstance b. File Structure c. Construction Hand-Off d. Community Roll-out	

## Additional Information and Resources

### How-To Videos Available

1. Turbulence Intensity
2. Wake Loss (TAILS 3.0)
3. Continuum
4. Project Performance Tool
5. LiDAR Data Sheet
6. Shadow Flicker (TAILS 3.0)
7. Ice Throw (TAILS 3.0)
8. Ice Throw (TAILS 3.0)
9. Sound Propagation
10. Microwave Paths
11. Turbine Siting Check List
12. Pipeline
13. Notice Criteria Tool (FAA)
14. Filing Notice of Proposed Construction (FAA)
15. The FAA Determination Process

## Classes Completed

Class	Topic(s)	Homework
1	Turbine Siting Part 1 a. Setbacks b. Turbine Siting Checklist	Read most recent DE and Methodologies
2	Turbine Siting Part 2 – Examples	
5	WRA Part 1 - Data	
6	WRA Part 2 a. Environmental Conditions b. Site Conditions	
7	WRA Part 3	
8	WRA Part 4 – Examples and Software	
10	PPR Part 2 – Examples and Software	