

NMSBA RENEWABLE ENERGY INSTITUTE (REI) PROGRAM

REI is a renewable energy short course offered by the New Mexico Small Business Assistance (NMSBA) program to eligible small businesses in New Mexico. This course provides small business owners and employees with an understanding of key concepts of renewable energy development for wind and solar resources. This unique course empowers participants to utilize and effectively communicate technical information to developers, state agencies and other market players.

* **NEW:** This year's REI course will include Automated Renewable Energy Site Assessment (RESA). Attendees will be granted access to the RESA website to enter site data and create a customized renewable energy site assessment report for their New Mexico site of interest.

COURSE LOCATION

July 21, 2017
CRELA Annual Meeting venue TBD
Clovis, NM
9:00 a.m. - 4:00 p.m. with lunch at noon



COURSE OUTLINE

Introduction/Resource Data, Wind and Solar Basics

- Wind/Solar Hardware
- Data characteristics, energy capture

Wind Turbine/Solar Array Siting

- General considerations
- Aspects influencing array siting
- Flow over Dunes/Hills/Swales
- Developer's siting checklist

LUNCH Live Demonstration of RESA Site Assessment Website

- Review of RESA Questionnaire and user Help features

Developer's Perspective, Project Viability, Pricing Renewable Energy

- Developer's perspective
- Purchase viability factors
- PPA contracts
- Wrapup, Q&A

REGISTRATION

Register online at www.nmsbaprogram.org.

- Describe Assistance needed: Renewable Energy Institute

- Request LANL as the National Laboratory

Or by Phone: Contact LANL NMSBA Office at (505) 667-4391 or (505) 667-1710.

In order to register, you must be an owner or employee of a for-profit small business located in New Mexico. NMSBA cannot provide assistance to government employees or nonprofit entities.



OBJECTIVE

Using methodology developed by the REI instructors, participants will learn to understand and evaluate the many considerations that affect the generation and sales of renewable energy in New Mexico, including metering solar and wind resources, land use and siting, interconnecting to the electrical grid, key state and Federal regulations affecting renewables and pricing energy.

INSTRUCTORS

Loren Toole: At Los Alamos, Task Lead for various infrastructure projects including electric grid and network interdependency studies performed for DOE, DHS and DOD, 2002-2012; Served as Enertech's Field Engineering Manager for wind farm projects 1982-84. M.S.EE (Power Engineering), Georgia Tech 1976

Matthew Nelson: At Los Alamos, Lead developer for Quick Urban & Industrial Complex (QUIC) atmospheric dispersion modeling system. 14 years of experience with fluid mechanics, modeling and the physical measurement of the atmospheric surface layer. Ph.D, M.S, and B.S. in Mechanical Engineering, University of Utah, 2006

Craig White: Chair, Department of Accounting, Anderson School of Management, University of New Mexico. Tax Department Price Waterhouse – Fort Worth, TX 1991 – 1994. Teaching and research area – Tax Policy and Tax Incentives. P.I. - NMSBA. Ph.D. (Business - Accounting) Texas Tech University, 1998

GUEST SPEAKER

Arlo Corwin- Managing Principal, Advance Energy Partners AEP, a consulting firm assisting clients in developing power generation, transmission, and energy storage projects. Served as President, Power Network New Mexico (PNNM), a wholly-owned subsidiary of Goldman Sachs Infrastructure Partners. Led wind energy development at EDP Renewables, formerly Horizon Wind Energy. B.A. University of Michigan; MBA University of California Haas School of Business

Attendees should be able to interpret basic technical information such as charts, graphs and numeric tables. All technical terms will be defined and discussed during training sessions. Slide materials and access to RESA website will be provided to all attendees, for later reference.

