



Chinook Solar, LLC

Chinook Solar Project

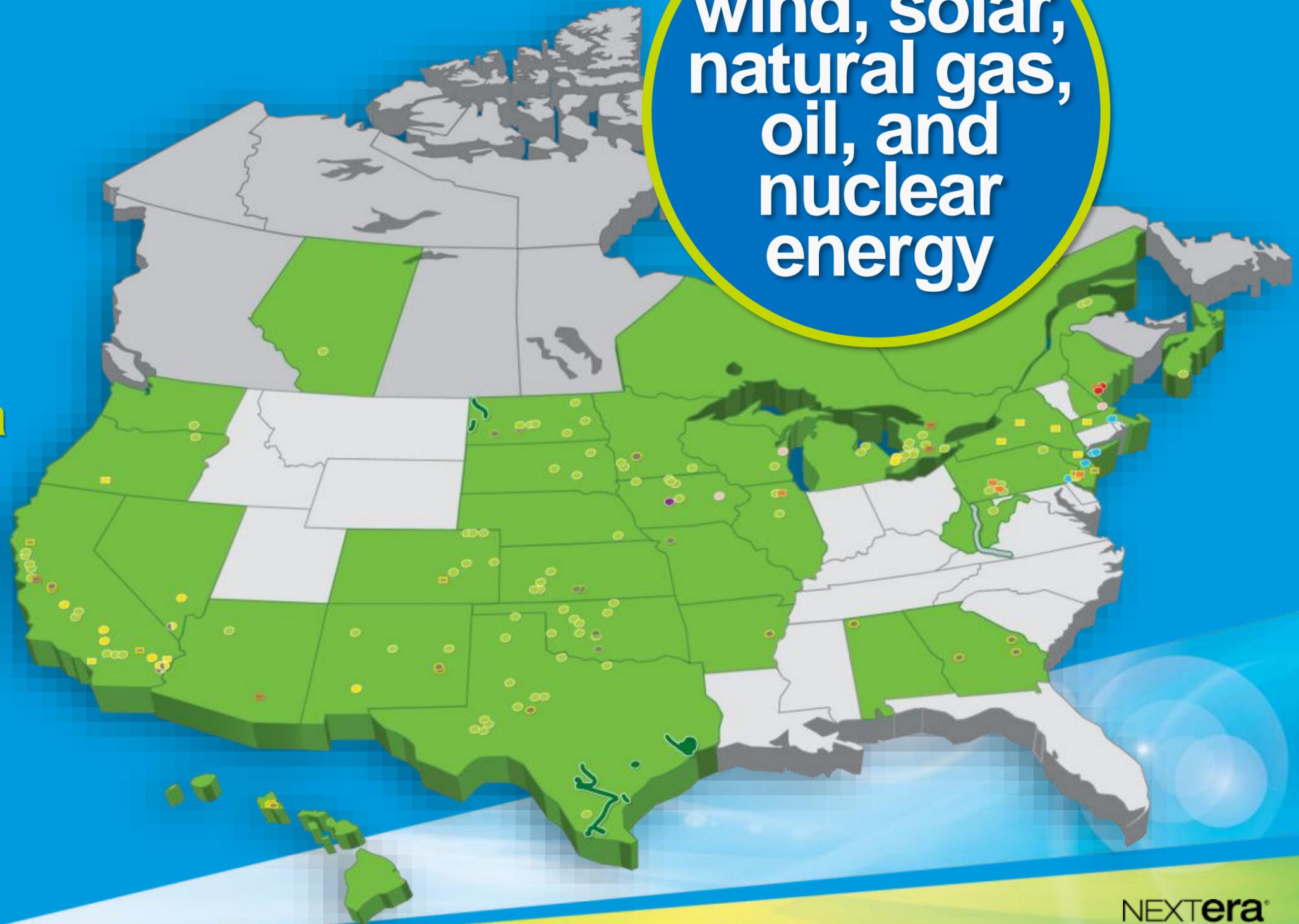


Local Investment. Jobs. Clean Energy.

Our company

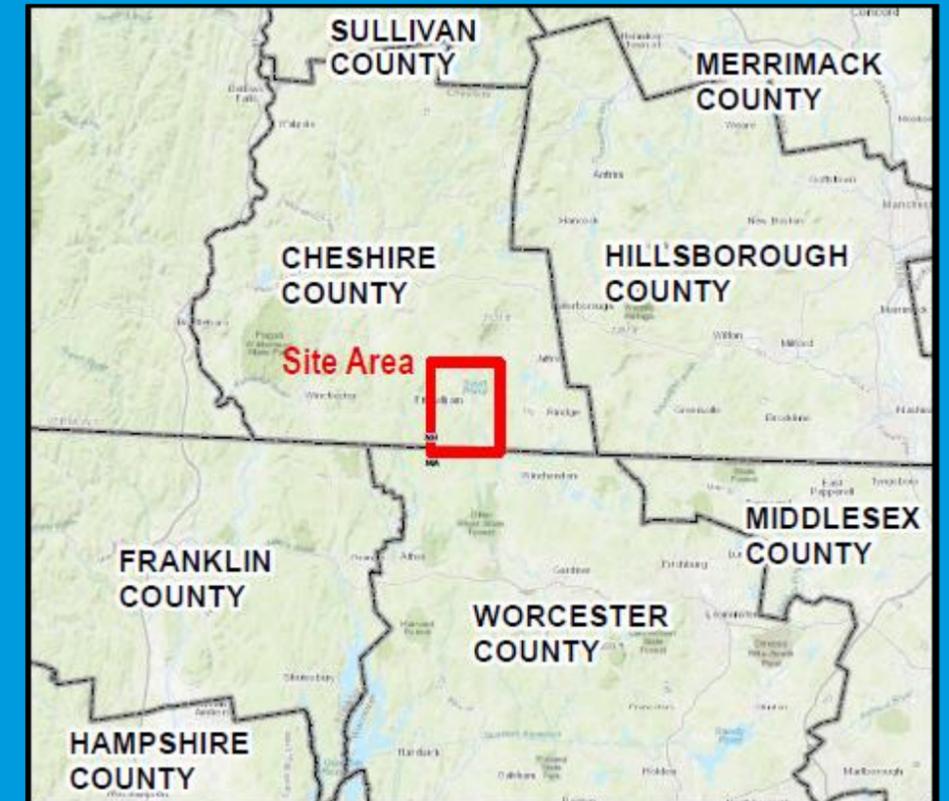
- ▶ **World's #1 generator of wind and solar energy**
- ▶ **American owned and operated**
- ▶ **Own over 90 solar projects in North America**
- ▶ **Investments in 36 states and Canada**
- ▶ **Invested more than \$85 billion in energy infrastructure since 2004**

wind, solar,
natural gas,
oil, and
nuclear
energy



Chinook Project Overview

- ▶ **Location:** Town of Fitzwilliam, Cheshire County
 - » Actively harvested forest lands adjacent to existing high-voltage transmission corridor
- ▶ **Size & Technology:** 30 MWac with 25° fixed-tilt solar photovoltaic modules
- ▶ **Project Footprint:** ~110 acres
- ▶ **Target Schedule:**
 - » File Site Evaluation Committee (SEC) application: August 2019
 - » Start of construction: Winter 2020-2021
 - » Commercial operation: October 2021



Project Permitting Process

- ▶ **Site Evaluation Committee (SEC) jurisdiction due to Project size**
- ▶ **SEC process ensures that projects meet state regulations**
- ▶ **The SEC gives due consideration to municipal and regional planning commissions and municipal governing bodies**
- ▶ **The SEC determination considers that the project must not have unreasonable impact on aesthetics, historic sites, water quality, natural environment, health and public safety, and must serve the public interest**
- ▶ **Pre-filing Public Information Session in Fitzwilliam at least 30 days before the SEC application is filed**

Studying the Chinook Site

▶ **Natural & Cultural Resource Assessments**

- » Wetlands, streams, and vernal pool surveys
- » Bat acoustic survey
- » Forest composition survey
- » Rare plant, animal, and natural community assessment
- » Phase 1A and Phase 1B Archaeological Assessment
- » Site-specific soil survey

▶ **Engineering & Design Studies**

- » Geotech
- » Pile load testing
- » Boundary survey
- » Topographic survey

▶ **Other Studies**

- » Life cycle greenhouse gas analysis
- » User intercept survey on Mt. Monadnock
- » Visual impact assessment
- » Aboveground historic resource survey
- » Sound analysis
- » Economic impact analysis
- » Decommissioning plan
- » Emergency response plan

Agency Consultation

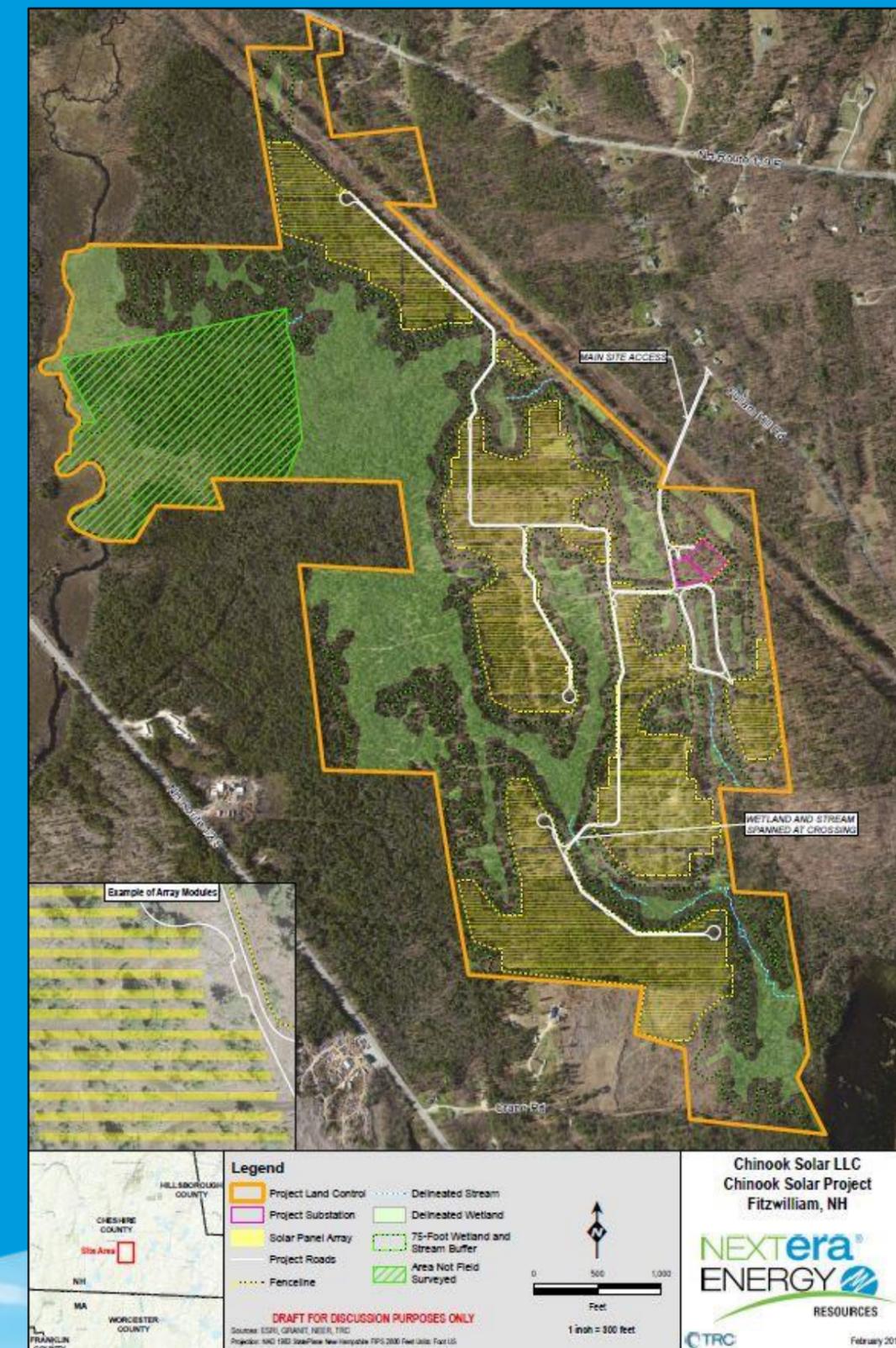
- ▶ New Hampshire Site Evaluation Committee
 - » October 2017, February 2019 and June 2019
- ▶ Natural Heritage Bureau
 - » October 2017
- ▶ New Hampshire Fish & Game
 - » November 2017, May 2018 and March 2019
- ▶ Department of Environmental Services: Alteration of Terrain and Wetlands Bureau
 - » November 2017, March 2019 and June 2019
- ▶ Division of Historical Resources
 - » January 2018 and January 2019
- ▶ US Army Corps of Engineers
 - » January 2019

Community Engagement

- ▶ Several meetings and presentations beginning in April 2016 with the Town of Fitzwilliam
 - » Initial introduction of Project by Ranger Solar
 - › Select Board - April 2016
 - › Planning Board - June 2016
 - » Planning Board - March 2018
 - » Abutters Event and Open House - May 2018
 - » Planning Board - Nov 2018
 - » Planning Board, Select Board, Conservation Commission - January 2019
 - » Planning Board and Select Board - February 2019
 - » Select Board - May 2019
 - » Public Information Session - July 2019

Optimizing Design

- ▶ Design Goal: avoid and minimize impact to natural resources
- ▶ No direct impact to wetlands or streams
- ▶ Tree clearing minimized through use of previously harvested forest land
- ▶ Sited adjacent to existing transmission infrastructure
- ▶ Use of existing road network to the extent possible
- ▶ Sited to avoid and minimize visual impacts
- ▶ Compatibility with local regulations



Additional Stakeholder Outreach

- ▶ New Hampshire Audubon - May 2018
- ▶ The Forest Society and The Nature Conservancy - September 2018
- ▶ Southwest Region Planning Commission - December 2018
- ▶ Clean Energy New Hampshire and Monadnock Energy Hub - December 2018
- ▶ Greater Peterborough Chamber of Commerce - December 2018
- ▶ New Hampshire Office of Strategic Initiatives - May 2019
- ▶ Greater Peterborough Chamber of Commerce and The Nature Conservancy - May 2019
- ▶ Clean Energy New Hampshire - May 2019
- ▶ The Forest Society and Appalachian Mountain Club - June 2019

Project Benefits

- ▶ **Delivers clean, competitively-priced renewable energy**
- ▶ **Creates substantial environmental benefits with minimal environmental impact**
- ▶ **Provides over 90 construction jobs**
- ▶ **Boosts New Hampshire economy with an estimated \$21 MM economic impact over the next 20 years**
- ▶ **Expected to generate millions of dollars in new property tax revenue over the life of the Project with very limited reliance on public infrastructure or services**
- ▶ **Helps region reach renewable energy goals**

