

FORESITE®

Software for T&D Planning Part of the Network Planner product line



FORESITE™ for Windows provides electric utilities the tools and information needed for generating long-range load forecasts to develop integrated strategic transmission and distribution expansion plans. FORESITE generates small-area load forecasts by simulating the effects and interactions of real-world factors including: population growth, land use development, changes in customer classes and electric appliance demand profiles, along with planned or existing roadways, waterways, lakes, protected habitats and low land areas. By anticipating these developments, FORESITE can generate a spatial load forecast and a least-cost T&D expansion plan.

The companion products of Network Planner – FeederAll and Network Planner – Relinet are all available in an integrated environment with Foresite.

FORESITE® Features

Rational, Consistent Planning

- Enables a systematic approach to distribution planning
- Provides area load forecasts with increased accuracy

- Allows forecasting and planning to be consistent while supporting multi-scenario analysis
- Supports “what-if” cost comparison
- Promotes the development of an integrated resource plan

FORESITE® Results

A Smart Link to the Future

- Maximizes utilization of equipment, both existing and planned
- Enhances an economic match between need and resources
- Reduced T&D equipment costs
- Optimizes planning for land acquisition

FORESITE® Load Forecasting

A Great Leap Forward

- Converts corporate level demand forecasts into geographic load forecasts
- Identifies usage characteristics of customer classes through end-use modeling
- Employs multiple-parameter growth assumptions to generate and compare T&D cost forecasts based on load projections
- Considers changes in usage by existing customers
- Evaluates areas by customer density, class and various growth scenarios
- Models the interaction between customer classes
- Predicts the impact caused by redevelopment efforts

FORESITE® T&D Planning

Answers to Hard Questions

FORESITE allows power T&D organizations to answer fundamental questions like:

- When will new capacity be required?
- How will the T&D plan impact land requirements for new right-of-ways?
- What are the costs associated with various changes in the T&D infrastructure?
- How will proposed transit plans impact load forecast and T&D infrastructure?

FORESITE® Attributes

Picture Tomorrow, Today

- Imports and exports data in a variety of formats, including AM/FM, GIS, governmental parcel, tax assessment and other land use formats
- Imports satellite imagery and/or digital area photography
- Provides on-screen “heads-up” digitizing from satellite or other images
- Generates presentation-quality graphics
- Offers standard report writing tools
- Exports data for customized reports

FORESITE® Implementation

Easy Start-Up

- FORESITE is up and running quickly
- Designed to work with desktop or laptop Microsoft Windows-based operating system
- Designed to work with either stand-alone or integrated operations
- Fully compatible with ABB’s Network Planner – FeederAll and Relinet

ABB Solves the Puzzle

Distribution Operations Management

FORESITE software is a key element of ABB’s solution to meet the challenges of today’s distribution engineering and operations management teams. ABB’s experience with IT and electrical engineering projects around the world confirms the benefits of using FORESITE. For more information, please inquire at: dis.marketing@us.abb.com.

ABB is an ISO 9001 registered organization.

Contact ABB today to learn more about solutions for the energy market. www.abb.com/electricutilities



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