A unique university–energy company partnership

Promoting research excellence and leading the industry to develop new technologies and science-based solutions for delivering reliable power and advanced risk management in extreme weather

**Advancing** the next generation of storm damage modeling to shorten outages

**Applying** best practices for sustainable and storm-resistant forest design

**Implementing** electric grid operating efficiency and storm resiliency improvements
The UConn Storm Damage Prediction Model generates a dynamic picture of anticipated storm and system impact.

**Determining** the number of crews needed with strategic deployment before a storm arrives

**Identifying** distribution system design improvements for greater resiliency

**Avoiding** and shortening outages

**Ensuring** faster storm response and accelerating restorations

Our Center, with leading-edge forecasting, will establish Eversource and UConn as frontrunners in storm resiliency and hazards mitigation.
Forest Management
Stormwise Program

SUSTAINABLE

STORM RESISTANT

With 90 percent of power outages during storms caused by trees, Stormwise links forest management and community outreach for stronger, wind-firm trees.

Using tree sway research and laser technology to show the benefits of tree trimming.

Reducing outages—in both number and duration.

Retaining the beauty of scenic roads and reducing roadside maintenance costs.

Identifying best practices readily shared with communities, tree wardens and forest managers.

Supporting Connecticut’s local wood industry.

We are working with towns to implement a ‘right tree, right place’ planting approach for planning before planting and preventing damage to the electric grid.

SUSTAINABLE

STORM RESISTANT
Together, Eversource and UConn are leading the industry with state-of-the-art research for delivering reliable power and managing extreme weather events.

**Electric Grid Reinforcements**

**RESILIENT**

**LEADING EDGE**

We are increasing the resiliency of critical facilities and infrastructure to withstand storm impacts.

- **Identifying** strategic areas for stronger electric grid design and reliability
- **Using** advanced laser imaging for a 3-D measure of tree threats to overhead lines
- **Simulating** grid conditions to evaluate reinforcement benefits
- **Assessing** the benefits of distributed and emergency generation for increased reliability and shorter outages
- **Enhancing** grid protection with an emphasis on cyber security best practices

**Together, Eversource and UConn are leading the industry with state-of-the-art research for delivering reliable power and managing extreme weather events.**