





## **AEGIS VIEW OF WILDFIRE EXPOSURE FOR EXCESS LIABILITY**

Guy Carpenter customized diagnostic using Wildfire Risk Rating 2.0 and Advantage Point



### **EXPOSURE DATA ENRICHMENT FOR RENEWABLE ASSETS USING U.S. WIND TURBINE DATABASE**

Improve Geocoding Accuracy

Capture Layout Site





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WHAT IS AN SCS EVENT		
<ul> <li>Severe Convective Storm</li> <li>Severe convective storms (SCS) <ul> <li>Thunderstorms that generate damaging hail, tornados and high wind gusts (straight-line wind)</li> </ul> </li> <li>An SCS Event is not an individual tornado, hail swath or wind gust</li> <li>Events arise from a set of environmental conditions that lead to a high potential of tornados, hail, and straight-line wind gusts</li> <li>Events typically occur over multiple days</li> </ul>	<u> </u>	
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COMPLEX PERIL MODELING CAPABILITIES F	ROM	

Karen Clark and Company: Risk Insight Model

- KCC SCS model
  - Over 48,000 stochastic events and 300 historical events
  - Perils modeled are hail and wind/tornado
- Model uses a physics-based approach, not statistical
  - Stats are skewed
  - Reporting varies based on regions
  - Using physics of storm creation, more accurately model an SCS event



AEGIS 2023

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## **CUSTOM VULNERABILITY CURVES FOR RENEWABLES**

Consulting study based on AEGIS Claims Data for Solar Farms and Wind Farms



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# **STEPS TO MAINTAIN AND CONTINUE ADVANCEMENTS**

Invest in Aging Infrastructure

### **Increase Efficiency**

- Updated Exposure Platform
- Updated Reporting Platform
- Exposure Modeling Data Management (EMDM)
- Leverage new platforms
- Reduce redundancies
- Digitize Manual Processes
- Automate

### **Identify Alternatives**

- Off-shore consulting teams
- Auto-start processes
- Self-service
  - Underwriters
    - Member Portal

### Serve as gate agents to understanding catastrophe risk

