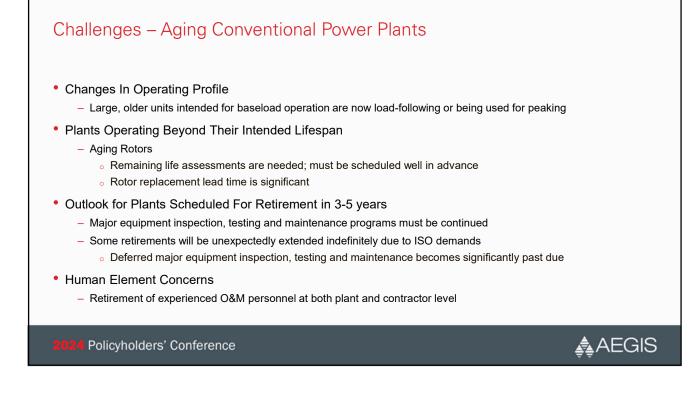
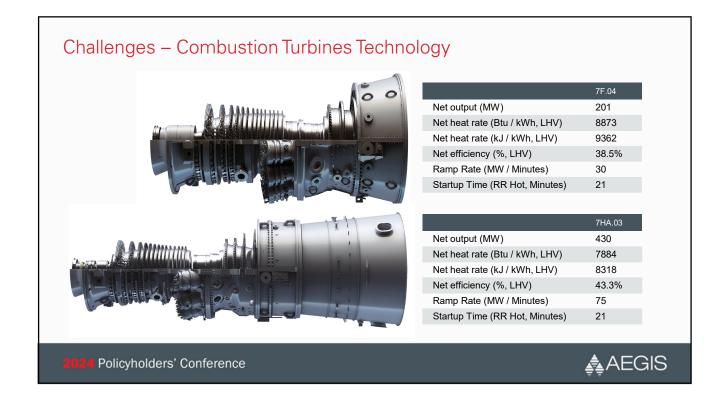


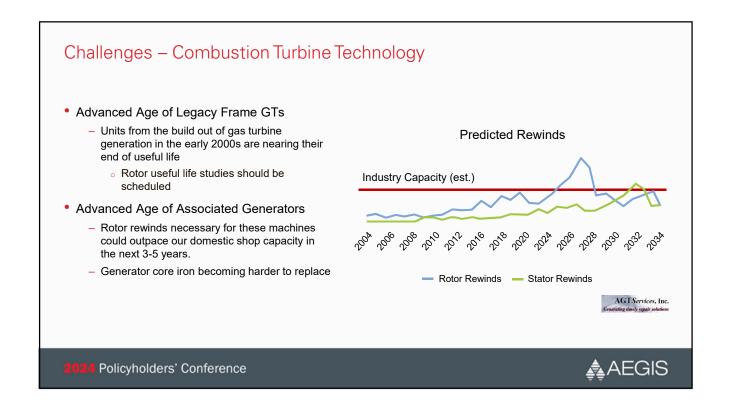
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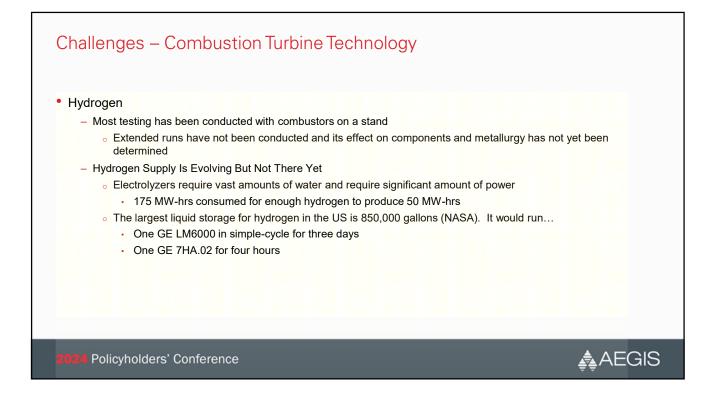


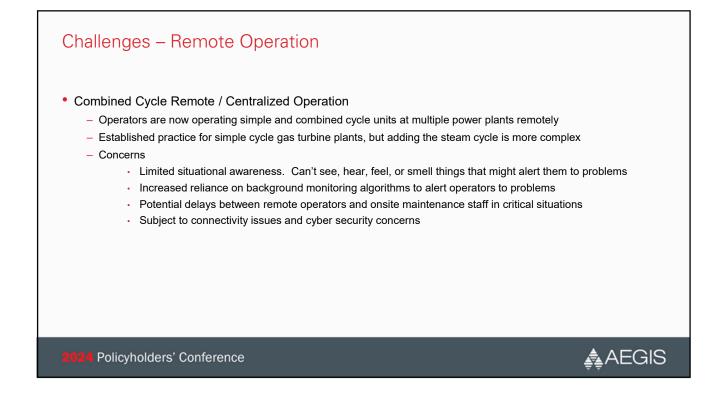
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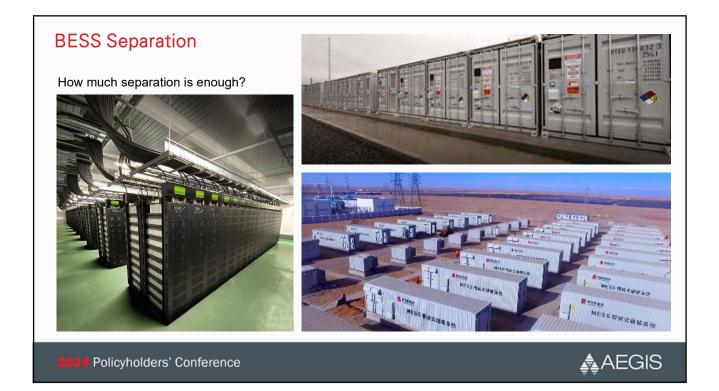
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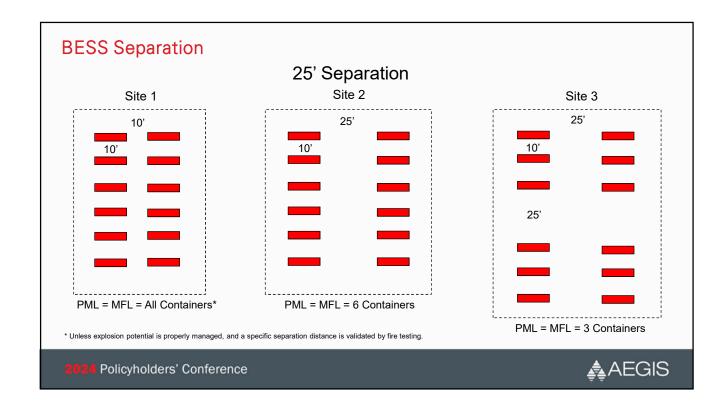


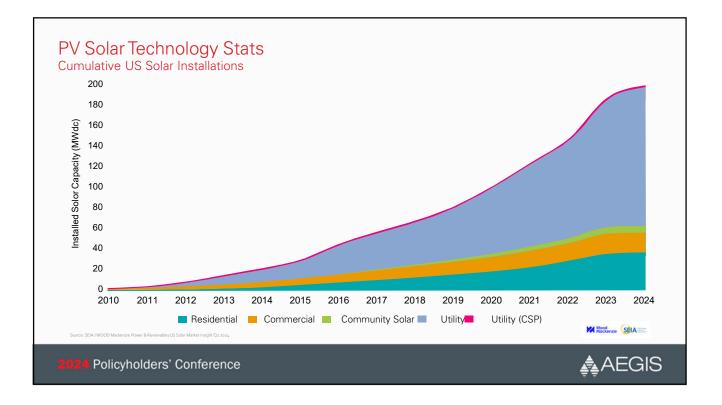


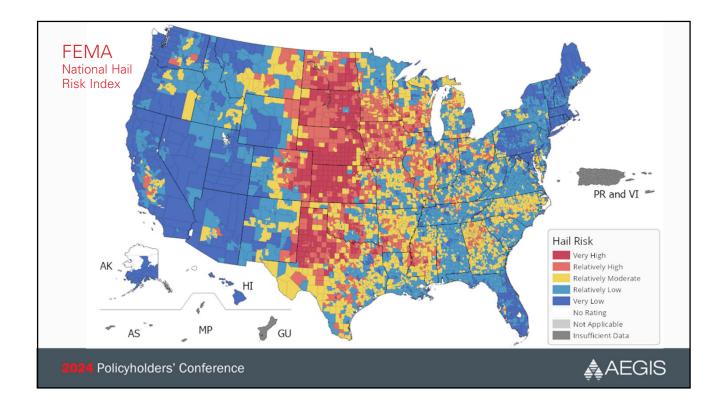


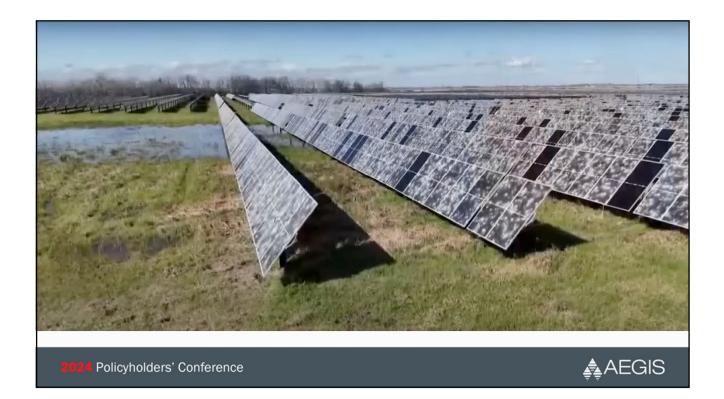
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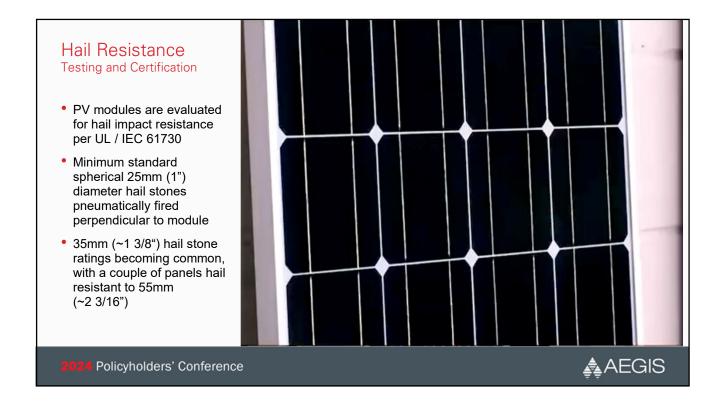


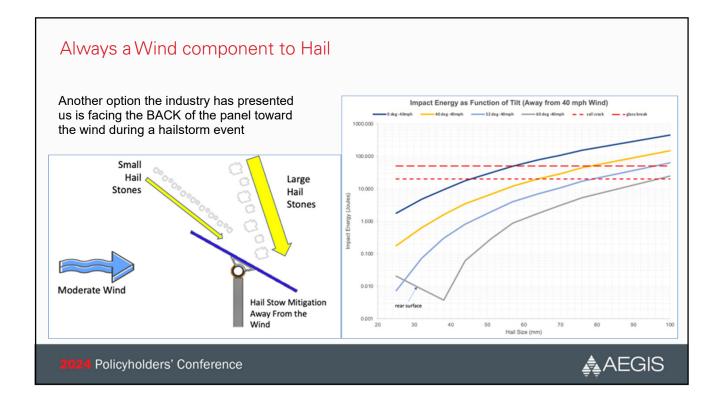




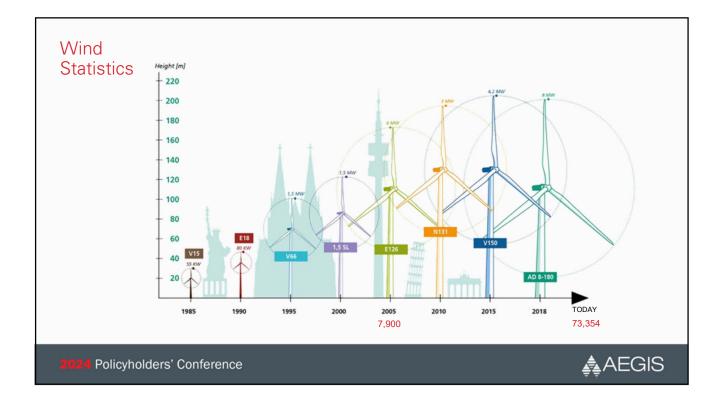


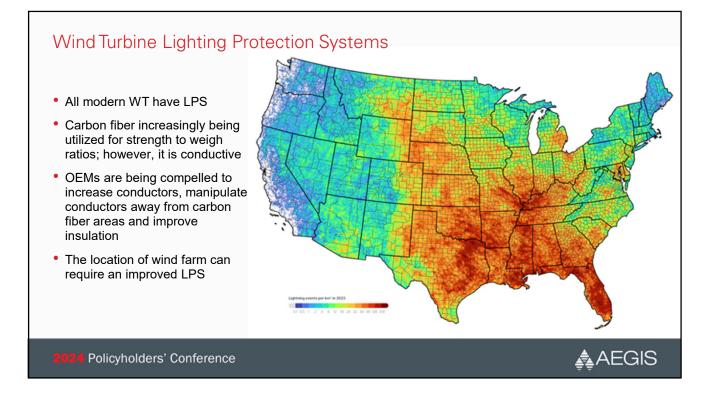












### Wind Turbine Lighting Protection Mitigation

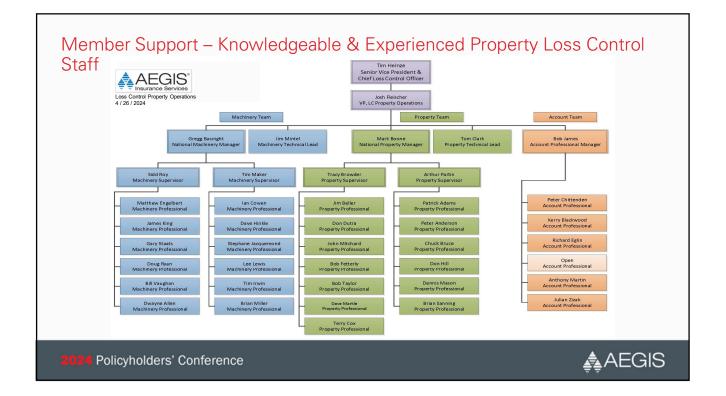


- FIRST, you must know the integrity of your LPS. Most US wind sites do not conduct any testing of their LPS. In contrast, Europe requires annual inspections of turbine Lightning Protection Systems
- In the United States, there is evidence 1 in 5 turbines have compromised LPS, where 1 in 10 have a discontinuity in down conductor, typically at the blade
- Know when your turbine gets struck by lighting and go look at it!!
- Visual inspection from the ground can be effective

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### Loss Control Member Support White Pa ŶŶ **Focused Analysis** Working Groups White Papers & Quick Tips 7FA Fleet Status Steam Turbine Overspeed Prime Mover / Hydrogen • Protection Systems Steam Turbine Sequential Renewables Trip Protection • Steam Turbine / Generator Energy Storage **Emergency Shutdown** Steam Turbine Water Induction Protection Loss Estimates Precursors of Water Induction • Wildland Fire Hazard Risk Reduction for PV Solar Sites Large Transformer Fleet Electrical • • Status Fire Protection Battery Energy Storage Lithium-ion Battery Energy • Systems Project Review · Gas Operations Storage Systems Steam Turbine Sequential Tripping Protection Fusion • Documentation AEGIS Policyholders' Conference

