



# Business & Financial Conference

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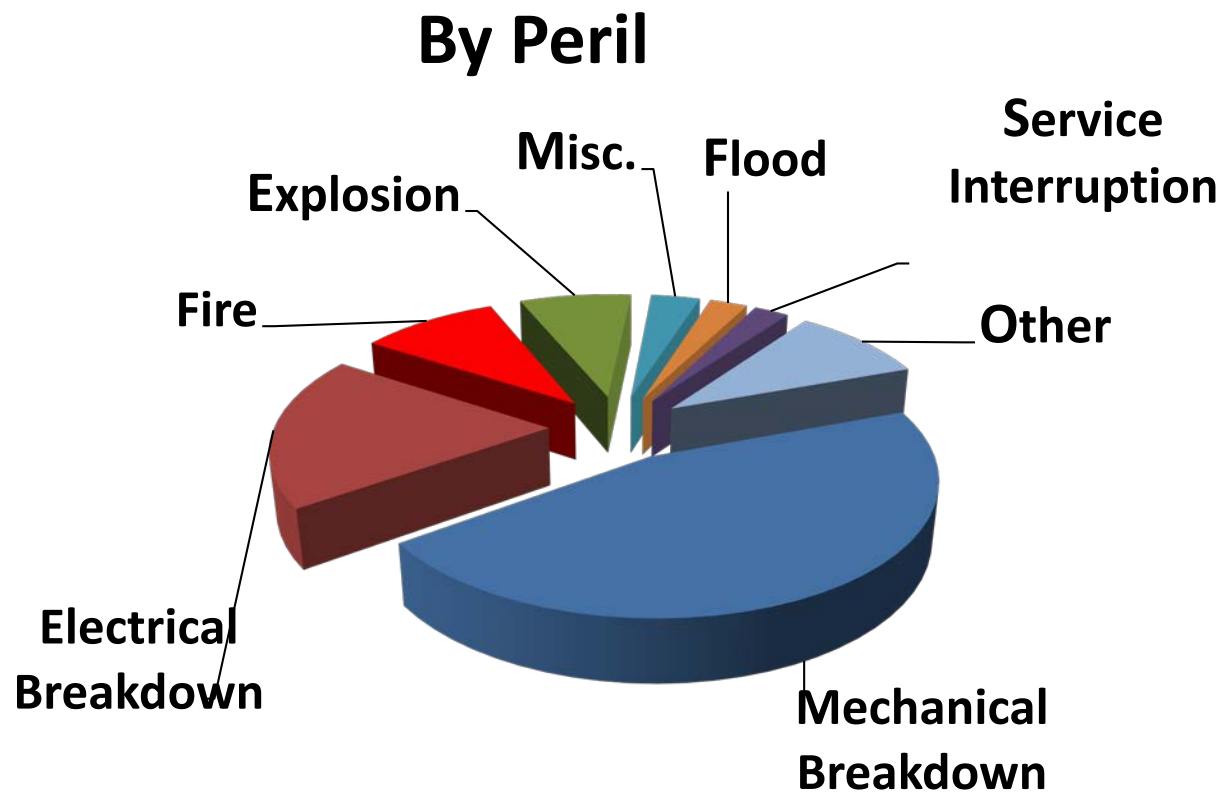


# Risk Analysis and Loss Prevention

## A Game Changer

Jennifer K Housel, Senior Account Manager

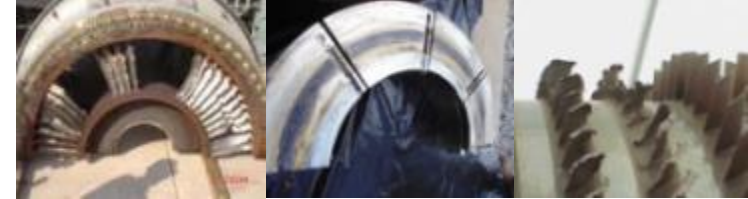
# PowerGen Losses (10 years)



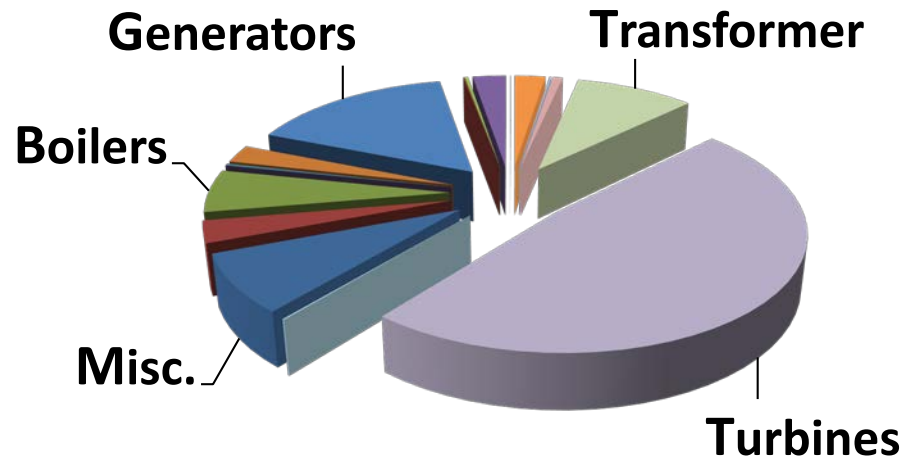
Over the last five years, what piece of equipment represents the highest amount of loss dollars?

**A****Generators****B****Transformers****C****Turbines****D****Switchgear**

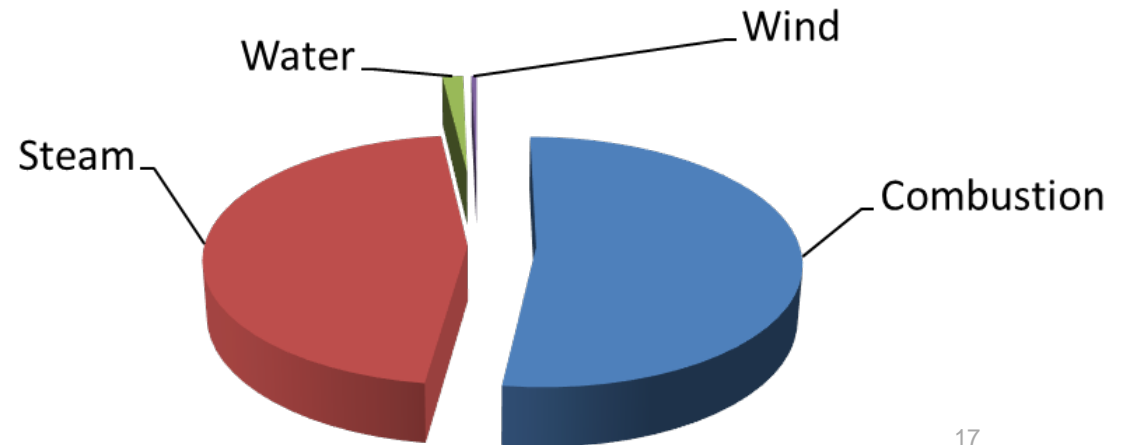
# PowerGen Losses (10 years)



## By Object \$ Losses



## Turbines \$ Losses



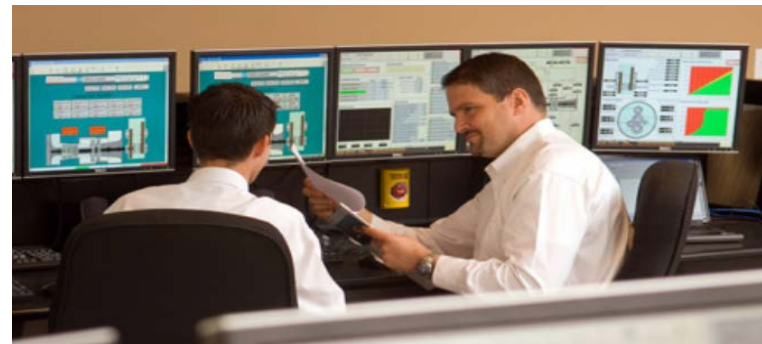
# Equipment Hazards are Key Loss Drivers



- Systems Approach
- Loss scenarios
- Big 3
  - Safety Devices
  - Maintenance
  - Operators



- Aging Equipment
- Operating Conditions
- Maintenance
- Operator Performance
- Advanced Inspection & Testing
- Monitoring & Diagnostics
- Process Safety
- Training





FM Global LOSS ALERTS



Loss Alerts helps you learn from loss.

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**Domestic Water Leaks Can Interrupt Facility Operations**

Prevent domestic water leaks in your facility.

[Read more](#)

RESOURCES



**Steam Turbine Generator - Loss of Lubrication Oil**

Loss of lubrication and seal oil for steam turbine and hydrogen-cooled generator unit results in mechanical damage and a hydrogen fire.

FM Global LOSS ALERTS



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**Hail Damages Office Building Roof**

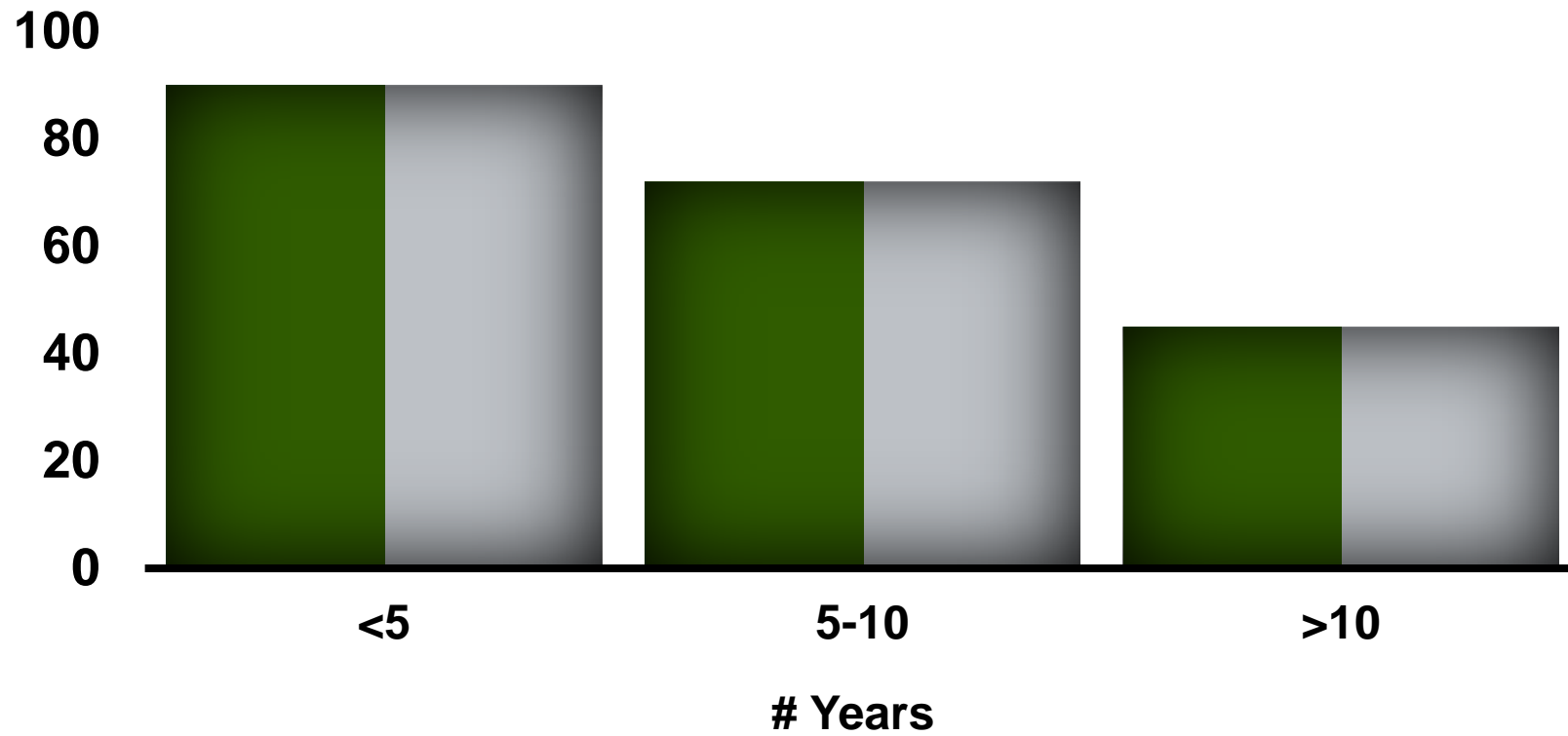
Hailstorms produced 1.7-inch (4.3 cm) diameter hail that impacted the roof of this office complex.



**Foreign Objects Can Severely Damage Gas Turbines**

While fairly infrequent, foreign object damage events in gas turbines are costly.

# Count of Losses by FM Global Tenure



- Give Me Advice That I Can Trust
- Share Loss Information
- Help Me Understand My Risks and Invest Loss Prevention Dollars Wisely
- Provide Flexible Field Engineering Services
- Provide Training resources for both Operations and Maintenance
- Help me manage my Cyber Risk

- Is my Senior Management engaged and supportive of Risk Analysis and Risk Improvement?
  - Do we have a budget for Risk Improvement?
  - Is risk improvement part of our culture?
- Have I chosen to partner with a loss prevention company that specializes in Power Generation?
  - Do they have specific training regarding the hazards with power generation?
  - Do they speak our language?
  - Do they back up recommendations with either loss experience or research?
  - Are they engaged with industry groups (i.e. ASME, EPRI, Power Gen International, IEEE, etc.)?

- Have your chosen Loss prevention professional complete an evaluation of your key sites
- Identify importation locations critical to business operations to focus on improving
- Review improvement recommendations with local staff/obtain feedback
- Gain an understanding of the hazard and how the improvement will lower your risk
- Focus on the loss drivers

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