Start Time **13:00**End Time **14:00**



Green Manufacturing Insights

William (Bill) Mateer



ENGINEERING

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Industry Operations Leadership & Management



Panel Discussion

Intro

- 1. Approach to Energy Conservation
- 2. Process Improvements & Waste Reduction



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Building Panels Heat recovery to 0 C





Other opportunities:
Plant & Parking wide LED re-lamping
Cafeteria kitchen ventilation upgrades with air make-up

Boiler Chimney Heat recovery for Feed Water



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GE Aerospace Bromont- 40 years & going {Process Upgrades}







High efficiency Condensing water heaters



Variable speed Drive compressors



Seasonal process water cooling

Process waste reduction-

Chem Mill acid neutralization

Ferric chloride enhanced flocculation

Transition to water based cutting fluids

Internal vs external waste treatment

Health & safety considerations

For consideration:

Energy providers subsidies Government grant programs Lean waste treasure hunts



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Thank you



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