

EU-01

Meeting Carbon Reduction Targets In A Challenging Financial Landscape

ENERGY AND UTILITIES

CONNECTED TRANSPORT

MANUFACTURING

HEALTHCARE

BUILDINGS & INFRASTRUCTURE

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ENABLING IoT



EU-01 Meeting Carbon Reduction Targets In A Challenging Financial Landscape

Pairing advanced technologies and high efficiency systems with innovative financing mechanisms to achieve goals

Key Topics

- Critical first steps to implement energy efficiency programs
- Securing executive support
- How to fund energy infrastructure upgrades
- Measuring results and future planning impacts
- Lessons learned and notable best practices

Moderator



Leila Dillon
Ameresco
Vice President
Marketing &
Communications

Panelists



Ioannis Orfanos
Green Value
Associates
Director



Fiona Daly
NHS Improvement
National
Sustainability and
EFM Workforce Lead



Randy Rikel
West Texas A&M
University
Vice President for
Business and Finance



Ioannis Orfanos
Green Value Associates
Director

- 4 years as a Commercial & Corporate Finance advisor to the UK Department for Business, Energy & Industrial Strategy (BEIS)
- Expert evaluator of energy efficiency finance acceleration and innovation proposals submitted for funding by the European Commission (H2020 programme)
- Strategic advisory on energy transformation & green growth finance and related funding mechanisms
- Originated, structured and managed a series of value-add real estate and sustainable development investments
- Advised on the creation of sustainability benchmarking databases in commercial property portfolios





Fiona Daly

NHS England and NHS Improvement

(National Health Service in the UK)

National Sustainability and EFM Workforce Lead

- **Project:** £7.5 million energy infrastructure and maintenance contract, supported by a 15-year operations and maintenance (O&M) contract
- **Savings:** £700,000 in annual energy savings over the contract term
- **Energy:** 1.5 MWe Combined Heat and Power plant displaces 90% of grid electricity and provides 75% of the hospital's total heat requirement
- **Meeting Carbon Reduction Target:** The project is expected to reduce carbon emissions by 1,621 tonnes of CO₂ per annum

NHS
England

NHS
Improvement





Randy Rikel

West Texas A&M University

Vice President for Business and Finance

- **Project:** \$14.4 million campus energy reduction and modernization project funded 100% by energy and water cost savings with guaranteed annual savings to the University through 2037
- **Upgrades:** Upgraded interior/exterior lighting to new high efficiency LED technology, improved campus heating and cooling systems, implemented water conservation measures, and added automated controls that allow for energy consumption tracking
- **Meeting Carbon Reduction Target:** Carbon reduction benefit that is equivalent to removing 2,050 passenger cars from the road or carbon dioxide emissions from over 1 million gallons of gasoline consumed annually



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