



MISSISSIPPI STATE
UNIVERSITY™

GREYSTAR™

MSU College View Rethinking Microgrids



How Challenging the Status Quo with Mixed-Use Microgrids can Realign Institutional Thinking.



Customer: Greystar

Site: College View Campus at Mississippi State University

1000 Collegiate Housing Beds

Retail & Restaurants

Hotel

University Facilities

Aquatic and Health Facility

Child Development Center

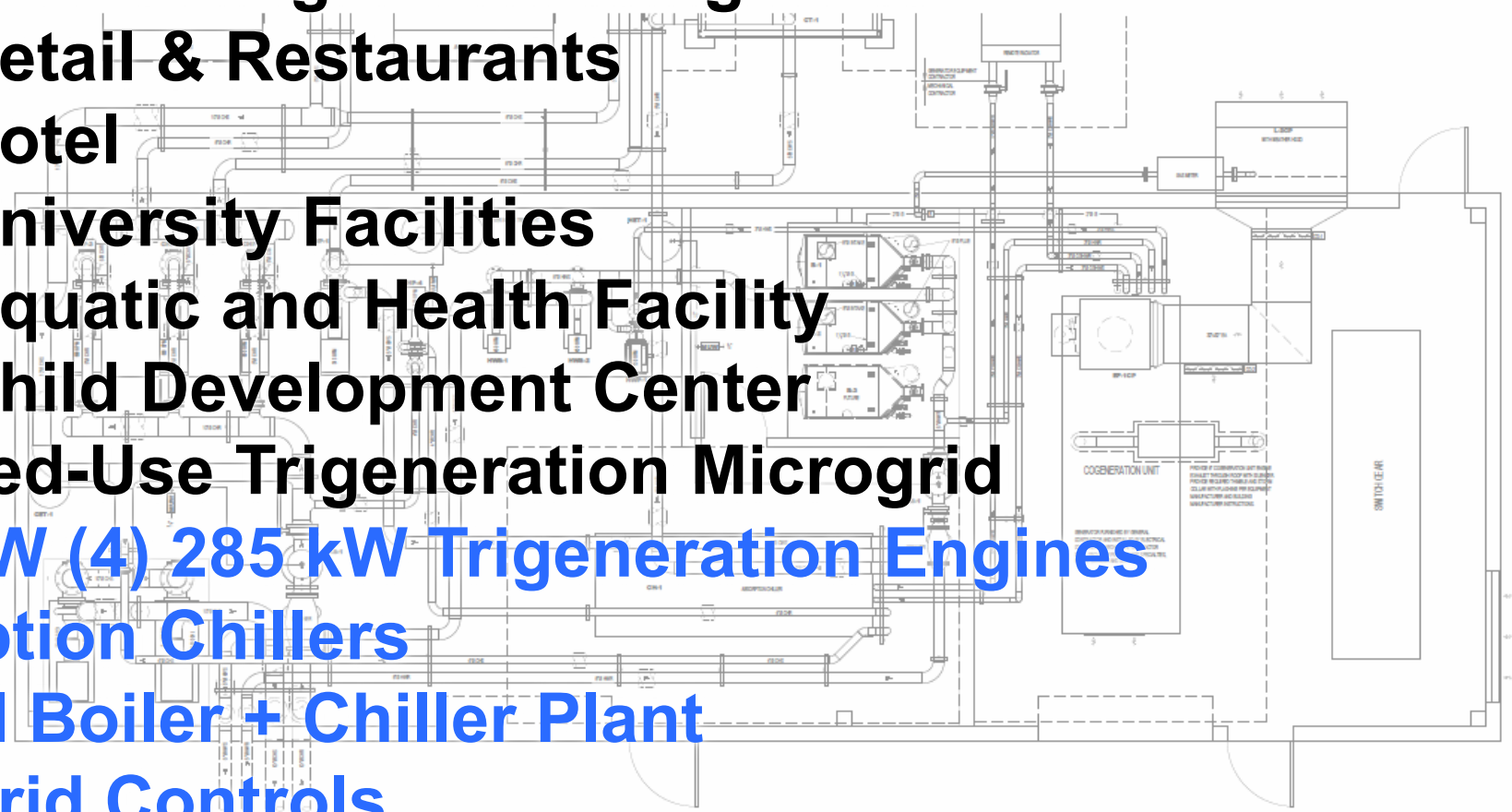
Project: Mixed-Use Trigeneneration Microgrid

1.14 MW (4) 285 kW Trigeneneration Engines

Absorption Chillers

Central Boiler + Chiller Plant

Microgrid Controls



Key Project Benefits:

Taking the initially proposed distributed split system equipment out of the new build construction budget **improved the project's economic viability for Greystar**. Removed diesel generators from budgets.

Operating clean energy equipment is not a core competency of Greystar, but **sustainable resiliency** is a goal of its Funds.

Fund requirements require that Greystar properties meet very stringent **sustainability benchmarks and resiliency requirements**.

1.14 MW (4) 285 kW Trigeneration Microgrid in 3 phases

\$111,000 Annual Energy Savings

\$0 Capital Outlay

75,000 Metric Tons of CO2 Output Eliminated

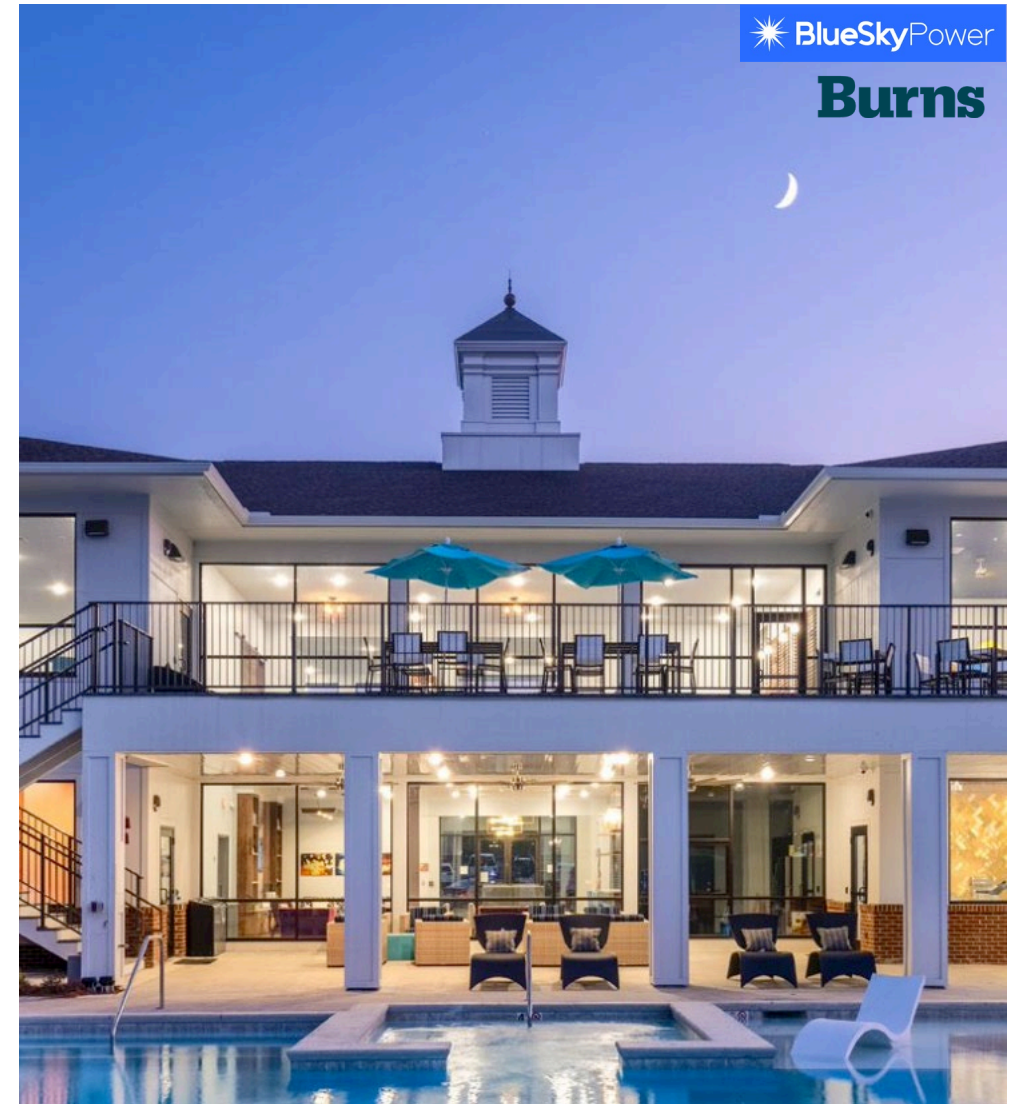
Burns

 **BlueSkyPower**

1 The Ideal Microgrid Project...or not.

2 Challenging the Status Quo.

3 Achieving Alignment.





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1 The Ideal Microgrid Project

...or not

 **BlueSkyPower**

Burns



1

The Ideal Microgrid Project

...or not



There are no ideal microgrid projects.



2

Challenging the Status Quo

Burns

 BlueSkyPower



2

Challenging the Status Quo



Most roadblocks have solutions.

³ ACHIEVING ALIGNMENT



3

ACHIEVING ALIGNMENT

 BlueSkyPower

Engage all stakeholders.

Recap:

1 There are no ideal microgrid projects.

2 Most roadblocks have solutions.

3 Engage all stakeholders.



Questions?

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**Thank
You**