



SUSTAINABILITY

Implementing Energy Management Best Practices

Ryan S. Martin, MBA; Director of Facilities Management

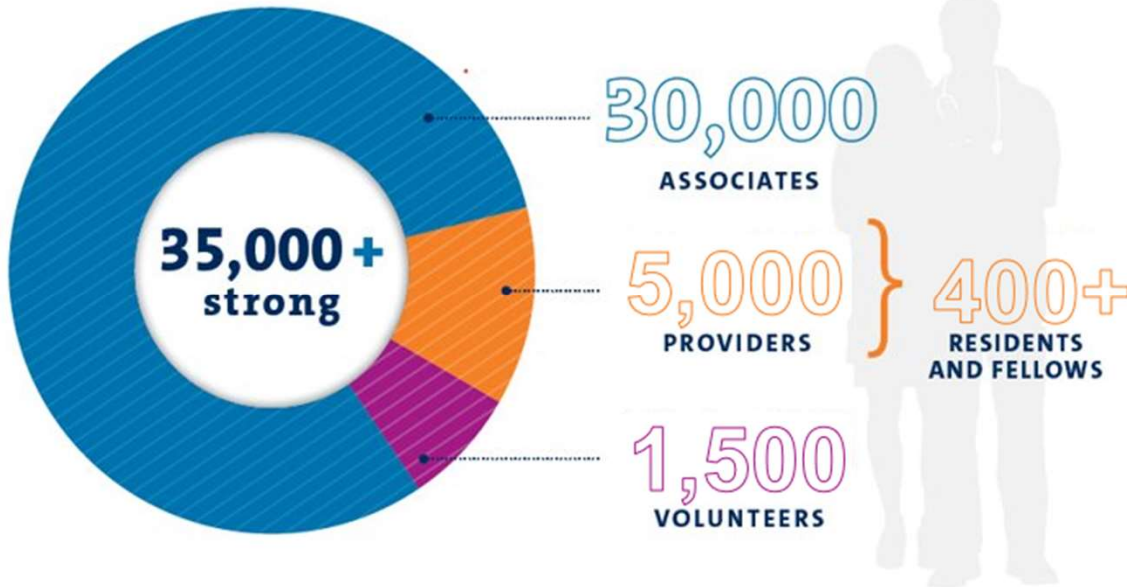
February 2024

OhioHealth

West Ohio Conference of United Methodist Church



We are a faith-based, not-for-profit healthcare system.



Represents Fiscal Year 2023 Data

3.8M
OUTPATIENT VISITS

589,209
EMERGENCY VISITS

163,920
ADMISSIONS &
OBSERVATIONS

120,241
SURGERIES

14,823
BIRTHS

\$6 Billion
NET REVENUE

5.3%
NET OPERATING INCOME

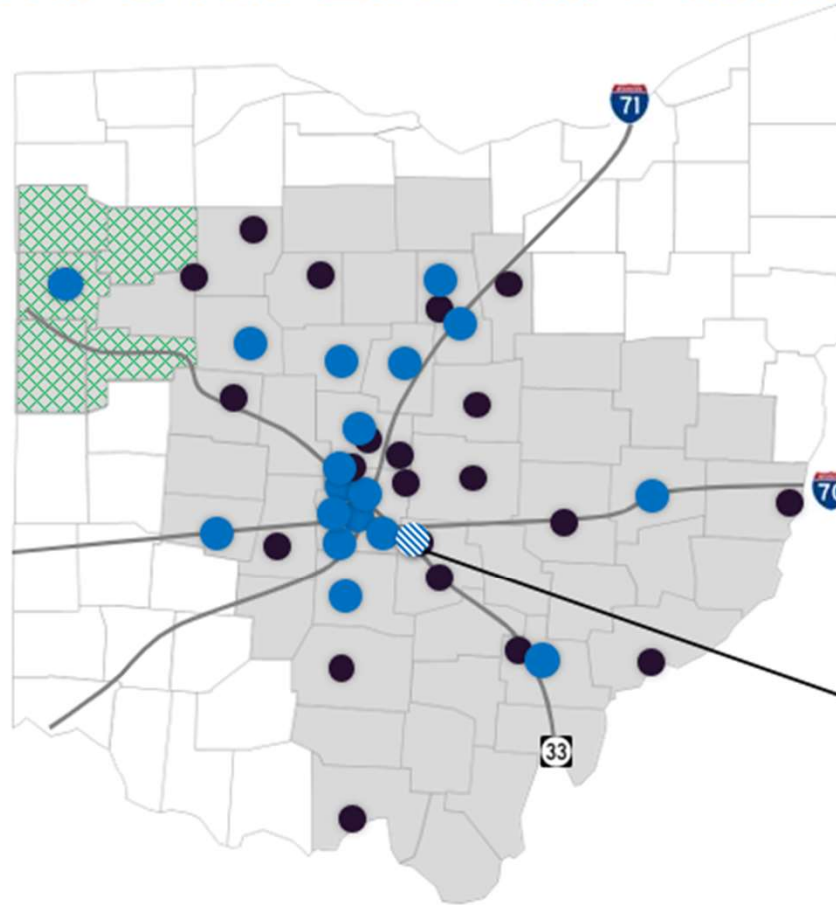
19 Hospitals and Over 200 Care Sites Across Ohio

- OhioHealth Service Area
- ▨ New County Added in 2023

● Member, Managed, & JV Hospitals

● Additional Program Deployment

- Service Line Outreach/Support
- OhioHealth Stroke Network
- Supply Chain Management



• Collectively, our 50-county service area includes ~4.1M people

Pickerington Methodist Hospital
Opened December 2023:
19th Hospital in Footprint

WHAT WE BELIEVE

Mission

To improve the health of those we serve.

Vision

To provide exceptional care for all through experiences that earn a lifetime of trust.

Values

**Compassion, Excellence, Inclusion,
Integrity and Stewardship**

Cardinal Value

**To honor the dignity and
worth of each person.**

Climate Crisis is a Health and Equity Crisis

*“Climate Change is the greatest **health** threat of the twenty-first century, and also the greatest opportunity to address social determinates of health”*

-The Lancet

SUSTAINABILITY

HAS A DIRECT

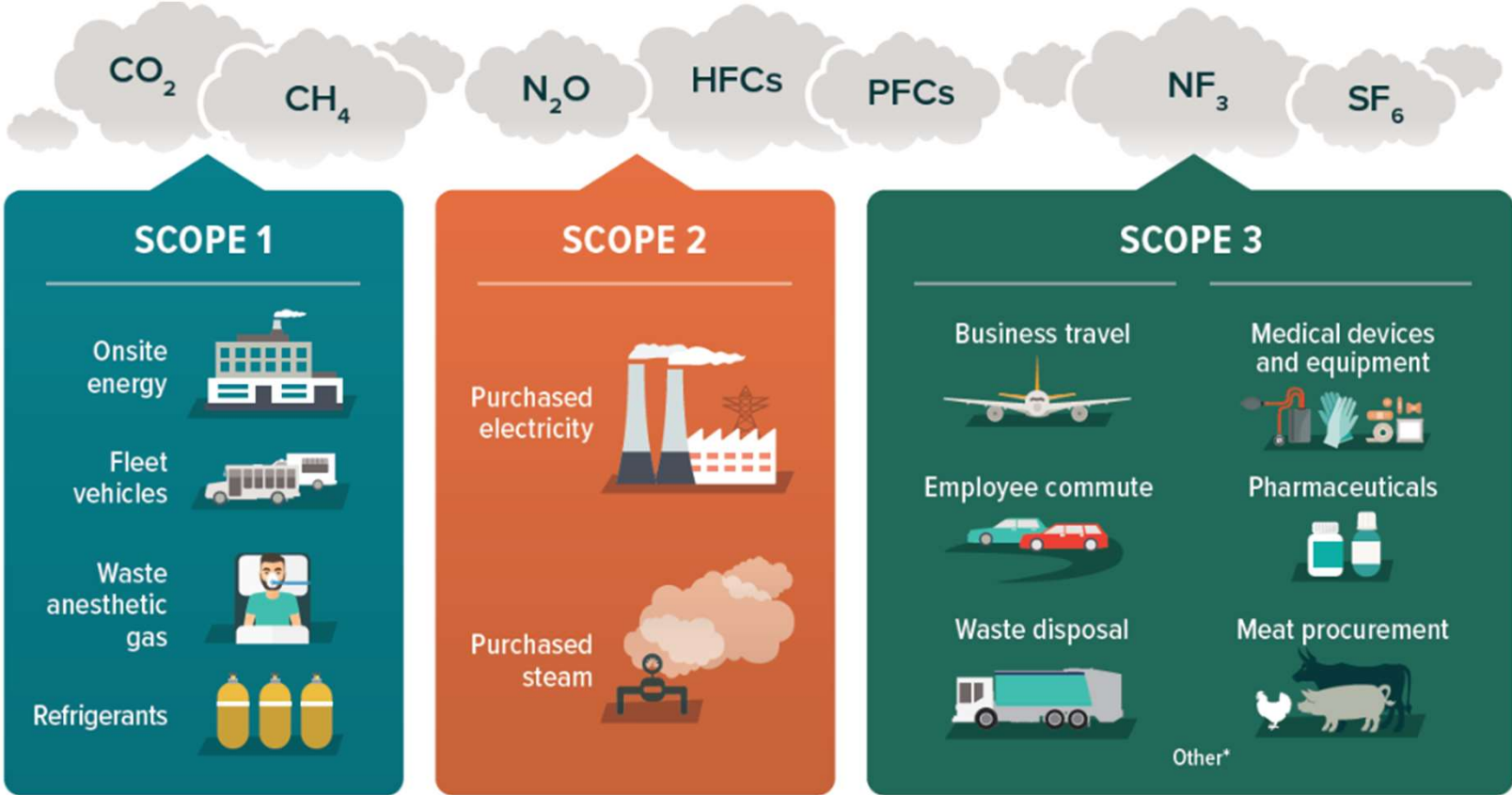
IMPACT

on **human health**

AND it directly connects to our value of

STEWARDSHIP.

Targeting Healthcare Emissions



Pathway to Net Zero

Our 5 Key Focus Areas



**SMART
ENERGY**



**RESPONSIBLE
PURCHASING**



**HEALTHY
BUILDINGS**



**LESS
WASTE**



**GREEN
TRANSPORTATION**



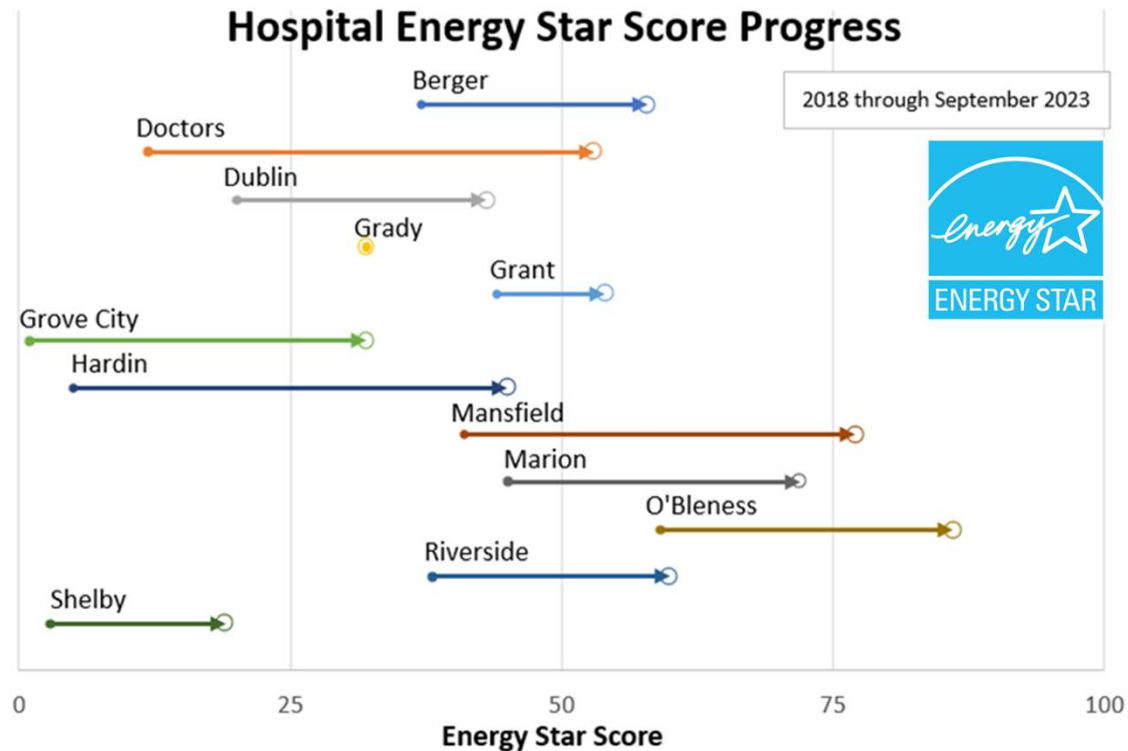
Smart Energy

WHAT WE'VE DONE:

- Signed onto OHA energy goal with central Ohio hospitals
- All OhioHealth hospitals utilizing Energy Star Portfolio Manager
- System energy reporting provided to leadership
- O'Bleness and Mansfield have received Energy Star Certification

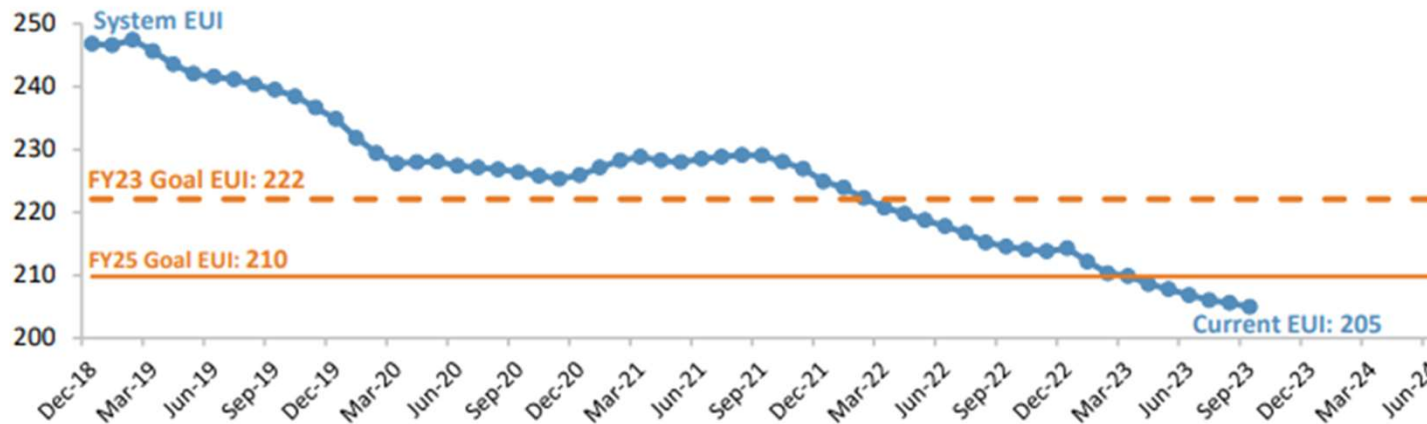
WHERE WE ARE:

- We have realized a 16.9% energy per square foot reduction two years ahead of target

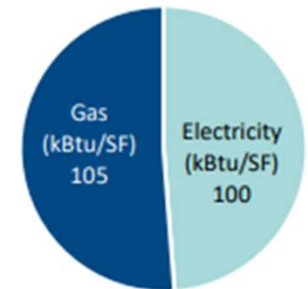


Progress: System EUI

ANNUAL ENERGY PERFORMANCE



Energy Usage By Utility
September 2023



Energy Use Intensity = EUI (kBtu/ft²) based on data from the last 12 months from specified month

Best Practices



Through our *energy saving efforts*, we've avoided roughly **45,000 metric tons** of CO2 equivalent per year
a 21% reduction of our carbon footprint per square foot compared to the 2018 baseline

Energy Operations & Champions

- Every hospital has an energy champion responsible for partnering with key stakeholders

Breakthrough projects

- LED retrofit
- Boiler modernization
- HVAC and Lighting Setbacks

Integrating ECMs into the culture

- Establish baseline performance
- Create targeted improvement goals
- Monitor utility usage
- Communicated to leadership



Healthy Buildings

WHAT WE'VE DONE:

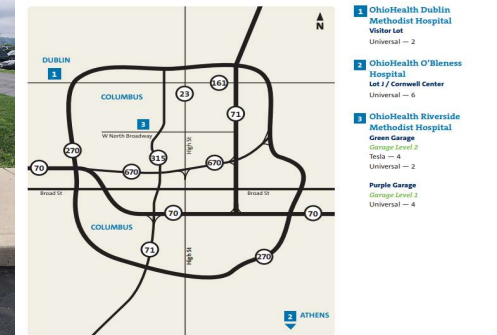
- Energy efficiency goals integrated into new construction + renovation projects
- Building for an all-electric future
- Considering climate resiliency in our built environments and operations

WHERE WE ARE:

- Sustainability standards integrated into all construction projects



OhioHealth Electric Vehicle Charging Ports





Green Transportation

WHAT WE'VE DONE:

- 70 charging stations across central Ohio
- MedSpeed routes moving to all EV improving air quality
- Zipline drone deliveries tackling access and emissions reduction

WHERE WE ARE:

- Shifting to green transportation means zero tailpipe pollution and reduced Scope 1 emissions





Responsible Purchasing

WHAT WE'VE DONE:

- Implemented a Responsible Procurement program (including Sustainability + Supplier Diversity)
- Created energy consumption calculator for clinical and non-clinical goods

WHERE WE ARE:

- Ongoing assessments of our new contracts, agreements, and procurement of goods and services to align with our goals



Lessons Learned



Organizational Structure



Team Culture



Regulatory Compliance



Resources



Customer Satisfaction



Looking Ahead

- Energy market hedging
 - Future costs of Electricity + Natural gas
- Electrification on the path to decarbonization
 - Cost of capital
 - Committed carbon
 - Asset depreciation table
- Clean energy generation & innovative technology
 - Resiliency & Reliability

Acting **TODAY**
For A Healthier And Sustainable
TOMORROW

Contact
Ryan.Martin2@OhioHealth.com

Biographical Information

**Ryan Martin, MBA., Director of Facilities | Real Estate, Construction and Facilities
OhioHealth | Dublin Methodist | Grady Memorial | Van Wert**

7500 Hospital Dr | Dublin, OH 43016

Office: 614-544-8349

<https://www.linkedin.com/in/ryanseanmartin/>

Ryan Martin has been with OhioHealth since 2020 in Facility Operations. He currently supports three of our hospitals including Dublin Methodist, Grady Memorial, and Van Wert Hospitals as well as functioning as our system-wide energy accountable lead. He also contributes to our culture of quality and safety as part of steering committees on patient equipment and code compliance. Prior to OhioHealth, Ryan spent 12 years in various roles at The Columbus Crew Stadium in Facilities and Operations.

Over the last two years, he has continued my development through our internal LEAD development program for high potential leaders as well as being nominated to Leadership Dublin's executive program. Ryan is also part of our internal team of executive coaches for leader development across OhioHealth. Finally, he is pursuing his Doctor of Business Administration with a focus in Strategy and Innovation expected in 2025.

Outside of work and school Ryan love to travel, hike, run, and spend time with his significant other and dogs.

Andrew Stroh, CEM, Global Sustainability Manager, McDonalds
Andrew.Stroh@us.mcd.com

Andrew has over 15 years of energy and sustainability industry experience. He started his career as an energy engineer then moved to energy portfolio and demand side management. Most recently Andrew was the energy manager for Abercrombie & Fitch and managed the deregulated portfolio and renewable energy program for 7-11 and Speedway's North American footprint.

During his career Andrew has worked expansively in commercial and industrial programs as both an end user and as a utility's program manager.

Andrew is obtaining his MBA in Sustainability from the University of Maine and is currently the renewable energy lead and subject matter expert for decarbonizing the built environment for McDonald's on their Global Impact Team.