

MAY
17-20
2021



SUMMIT

A VIRTUAL LEADERSHIP SYMPOSIUM

Learn more: betterbuildingsolutioncenter.energy.gov/summit

U.S. DEPARTMENT OF
ENERGY



Making the Case for Energy Efficiency

Wednesday, May 19th 2021

11:00 AM – 12:30 PM



Mariana Egea Casalduc

U.S. Department of Energy

Agenda

1

Welcome & Introductions

2

Case Studies from Wendy's and 3M

3

Financing Perspectives from RILA

4

Q&A Session

Please go to www.slido.com

using your mobile device, or by opening a new window

Enter Event Code

#DOE

Today's Presenters



Scott Moline
Independent Consultant



Andrew Hejnar
3M



Erin Hiatt
Retail Industry Leaders Association



Scott Moline
Independent Consultant

Submit Questions
www.slido.com event code **#DOE**

A glowing lightbulb with a circuit board overlay. The lightbulb is the central focus, emitting a warm, golden light. The circuit board is a stylized, white line drawing that overlays the lightbulb and extends towards the left and right edges of the frame. The background is a soft, light blue gradient.

MAKING THE CASE FOR ENERGY EFFICIENCY

BUILDING YOUR ENERGY TEAM

MAY 19, 2021

Scott R. Moline, LEED AP
Independent Consultant

ENERGY EFFICIENCY VS. ENERGY WASTE

Energy Efficient: Using less energy to provide the same amount of useful output from a service.

Waste: to spend or use carelessly:
SQUANDER

Squander: to lose (something, such as an advantage or opportunity) through negligence or inaction



Isn't this the call to action? *Eliminate Energy Waste*

MAKING THE CASE FOR ENERGY EFFICIENCY

1. Understand the Science
2. Create a Compelling Vision
3. Develop the Business Case
4. Build Consensus
5. Measure Results
6. Celebrate Successes

UNDERSTAND THE SCIENCE

“The definition of genius is taking the complex and making it simple.” Albert Einstein



- Where does the energy savings come from?
- Does the supplier have Case Studies using IPMVP?
- Does the supplier have third party validation studies?
- Are there non-energy related risks or benefits?

QUICK SERVE RESTAURANTS ARE ENERGY INTENSIVE



Restaurants use about five to seven times more energy per square foot than other commercial buildings.

High-volume quick-service restaurants (QSRs) may even use up to 10 times more energy per square foot than other commercial buildings.

[ENERGY STAR for Small Business: Restaurants](#) | [ENERGY STAR Buildings and Plants](#) | [ENERGY STAR](#)

WENDY'S CASE STUDY

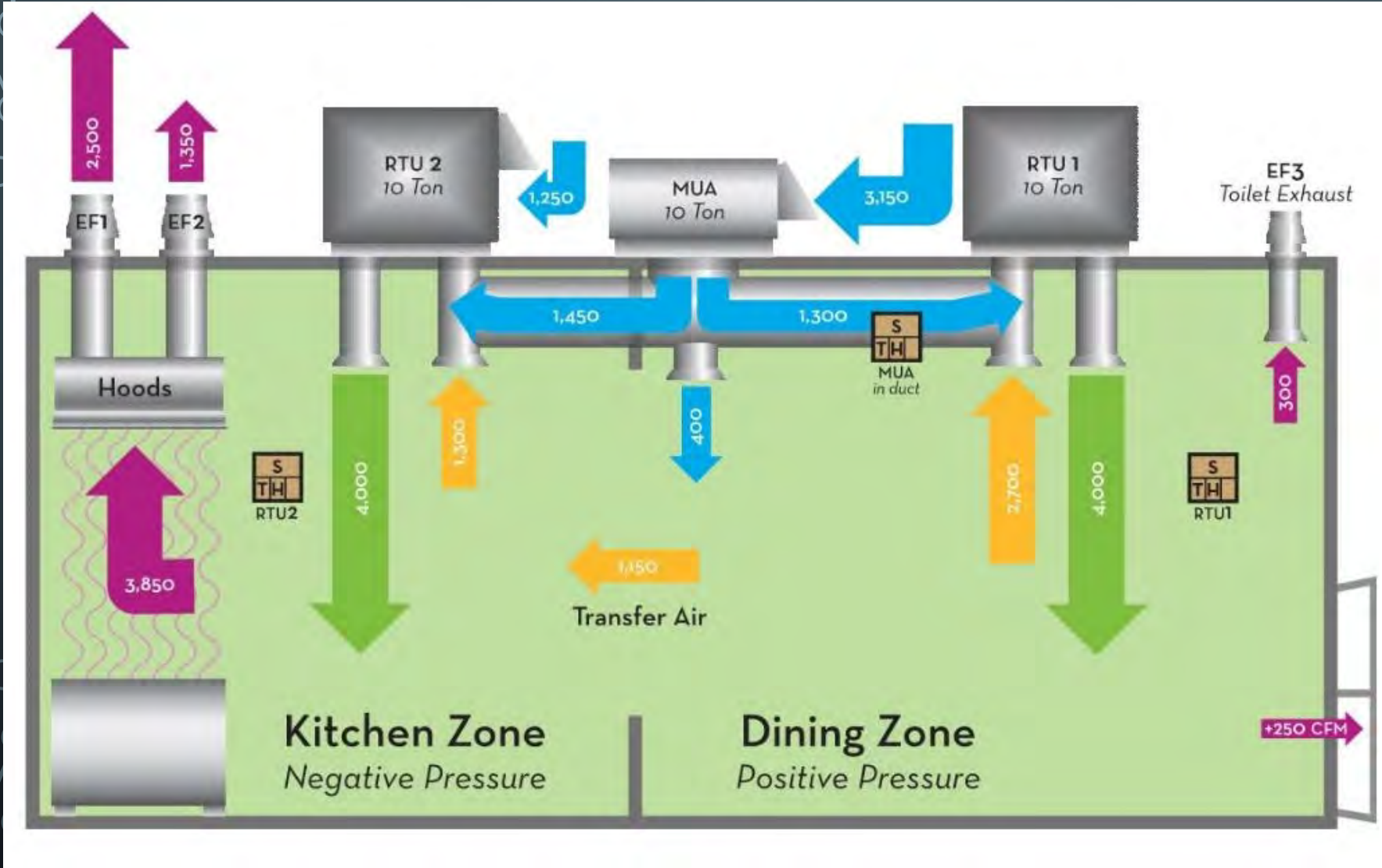
TRANSFORMATIVE WAVE



More information on Wendy's available on [Wendys.com](https://www.wendys.com) and the 2020 Corporate Social Responsibility Report.

- Wendy's Energy Score – identified low Energy Score / high energy use locations
- Pilot Project started in early 2020
- Cross-functional Energy Team engaged
- Rollout project approved - 79 installations by YE 2020
- Featured in 2020 CSR Report

UNDERSTAND THE SCIENCE



UNDERSTAND THE SCIENCE

The diagram illustrates the integration of Transformativewave's CATALYST hardware and software. On the left, a cutaway view of a rooftop unit (RTU) shows the internal components. A label points to the **CATALYST Standalone Advanced RTU Controller**, which is a vertical control panel mounted on the side of the unit. Another label points to the **CATALYST Lite Variable Frequency Drive +**, a smaller component located inside the unit. On the right, the **CATALYST eIQ Platform Building Automation Solution** is shown as a multi-device interface. It includes a desktop monitor displaying a control dashboard with various icons and data points, a tablet showing a similar dashboard, and a smartphone displaying a simplified interface with three main sections: **Energy**, **Health**, and **Comfort**. The Transformativewave logo is visible in the top left corner of the software interface. An arrow points from the hardware unit to the software interface, indicating the flow of data and control.

tw transformativewave

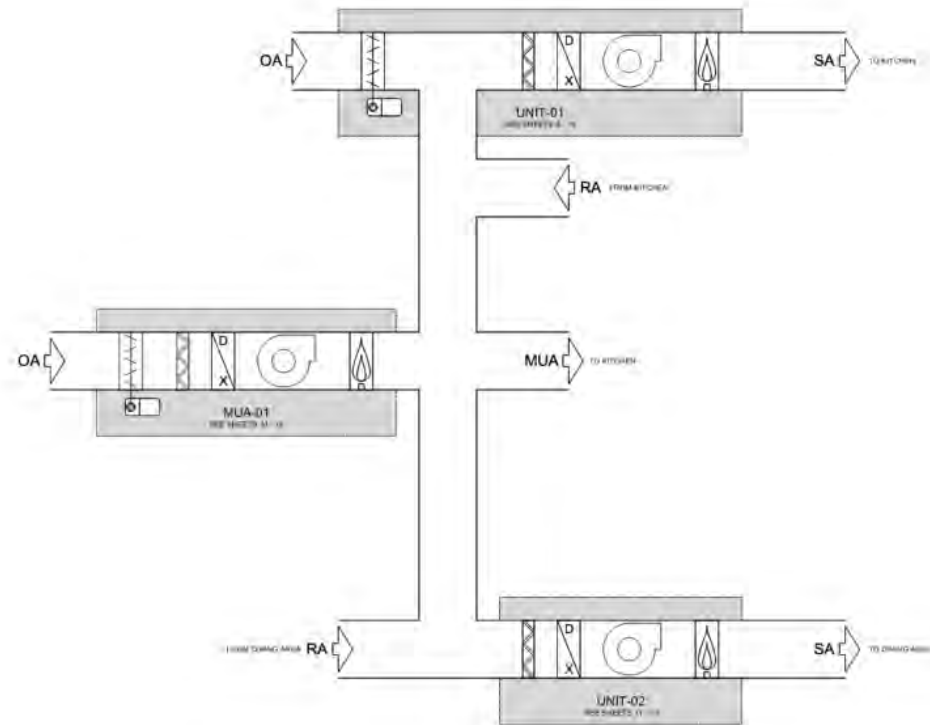
CATALYST Standalone
Advanced RTU Controller

CATALYST eIQ Platform
Building Automation Solution

CATALYST Lite
Variable Frequency Drive +

Advanced Rooftop Campaign
U.S. DEPARTMENT OF ENERGY
ENERGY

UNDERSTAND THE ENERGY SAVINGS



Energy Savings & Ventilation Control

- **System Control.** HVAC units are synchronized.
- **Humidity Control.** Humidity sensor installed. Provides multiple levels of dehumidification.
- **Space Pressure Control.** Adjusts dampers and system to maintain positive pressure. Pressure sensor in place.
- **Continuous Balancing.** Pressure sensor ensures that restaurant stays balanced.
- **CO2 Monitoring.** CO2 is monitored in the space demonstrating effective ventilation in the restaurant.
- Energy Savings recognized by Utility Companies

CREATE A COMPELLING VISION

Why should I care about this project?



- Does this project support Company Goals?
- Why should this project be prioritized?
- Is there a strong business case?
- What must happen to make the vision a reality?
- What internal groups benefit or may be impacted?
- Do you have your 30-second elevator speech?

CREATE A COMPELLING VISION



Rebuilt Restaurant - Opened 2016

37

2019



New Restaurant Opened 2016

21

2019

BUILD THE BUSINESS CASE

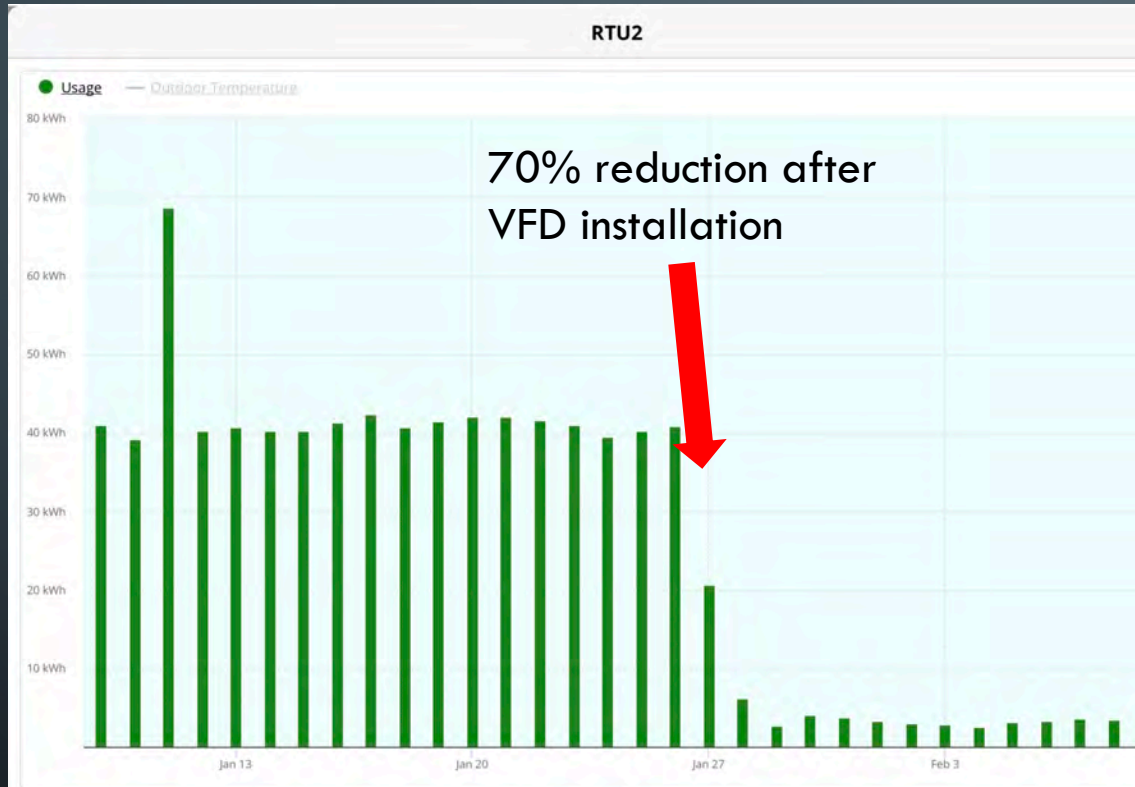
Do You Speak CFO?

Is Finance part of your Energy Team?



- Quantify the business benefits & risks
- Develop the ROI
- Understand the business cycle – budget vs. YE crunch
- Does this project impact another team's budget?

CREATE A COMPELLING VISION



BUILD CONSENSUS

Build excitement and consensus by understanding your audience



- Communicate the science and business opportunity
- Seek Input from internal teams early
- Create enthusiasm and support with the ops/facility team
- Modulate your Message – ROI vs. kWh vs. GHG vs. CO₂

MEASURE RESULTS

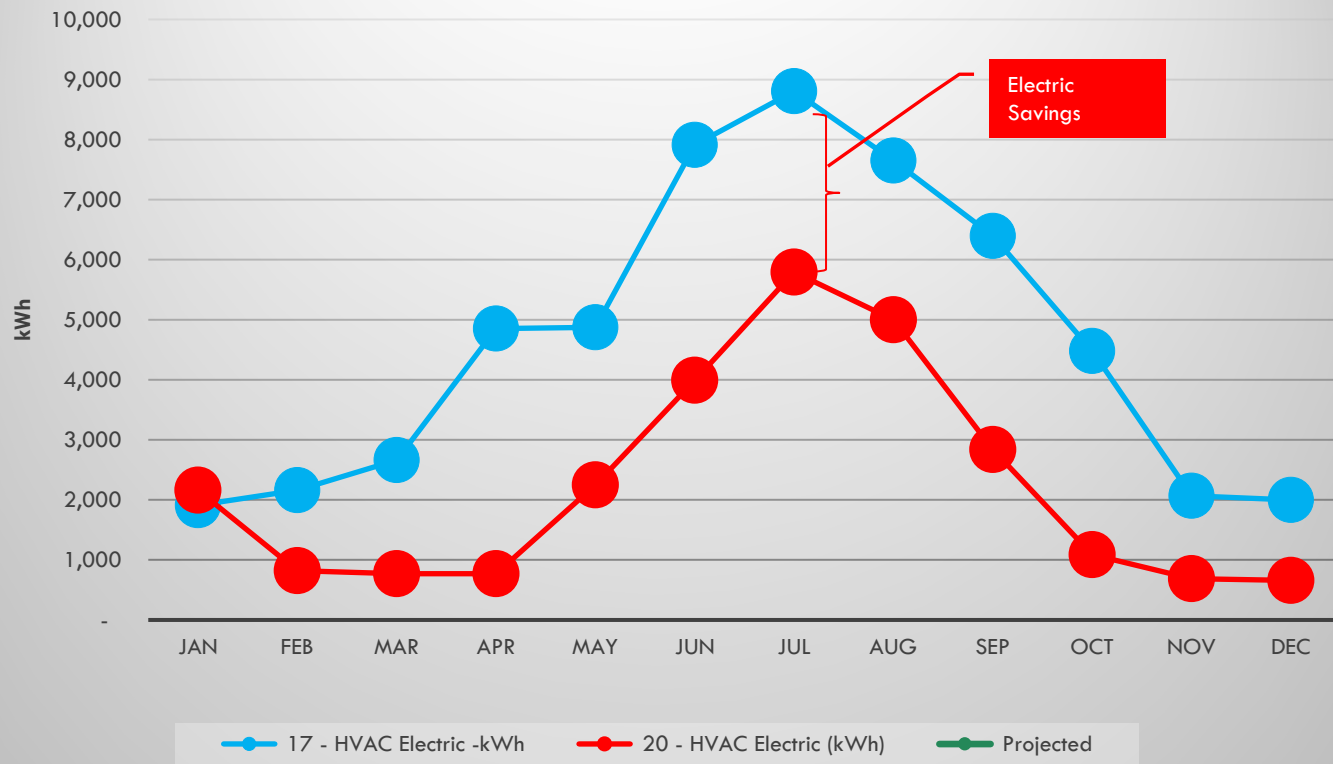
Steady stream of easily understood results and progress



- Define Success
- Establish Baseline
- Establish Measurement Plan – IPVMP recommended
- Define next hurdle / next step

MEASURE RESULTS

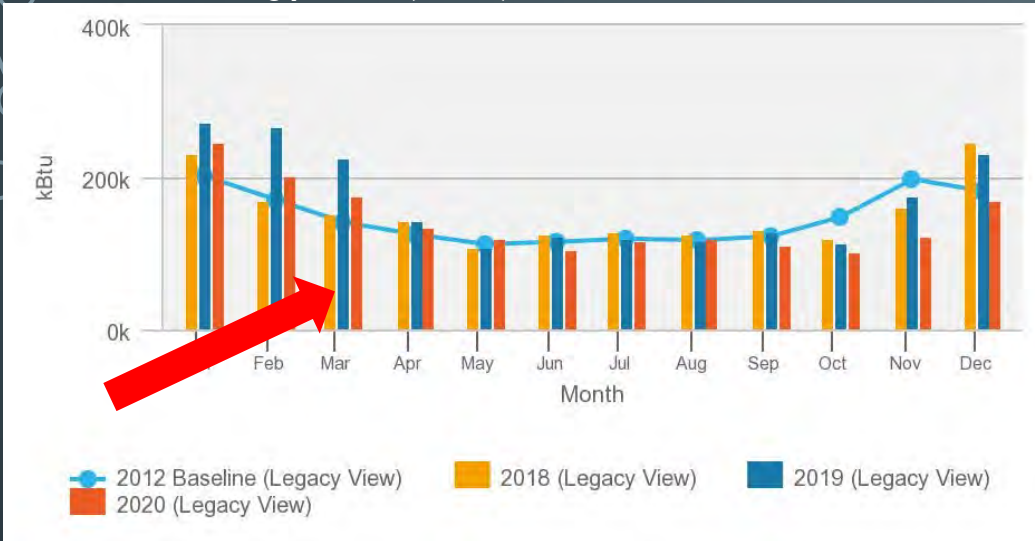
Test Location HVAC Electric Use 2017 vs. 2020



Feb – Dec 2020: HVAC Electric Savings – 29,549 kWh – 55% reduction in 2020 over 2017
Data collected using electrical submetering of the HVAC units
AEP Ohio Rebate - \$1,500

MEASURE RESULTS

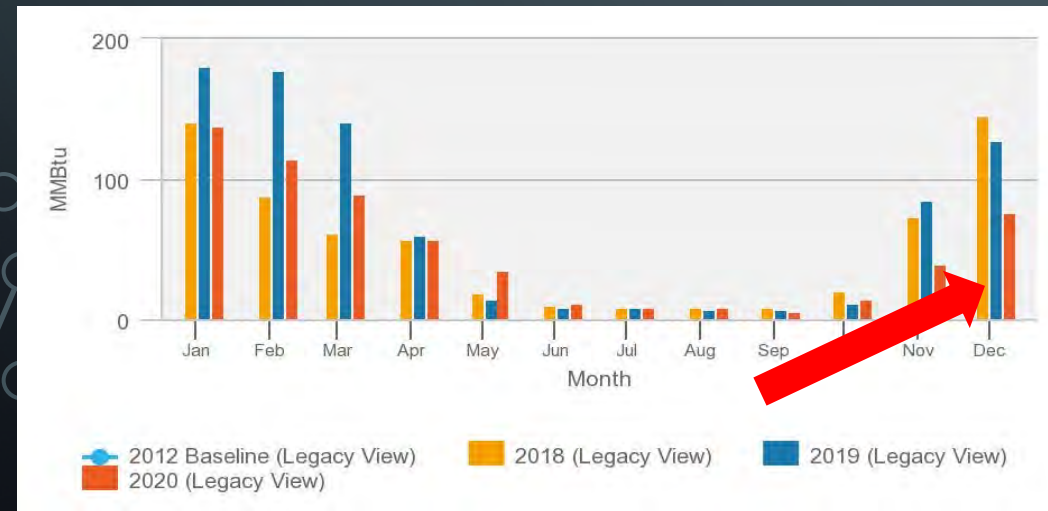
Total Energy Use (kBtu)



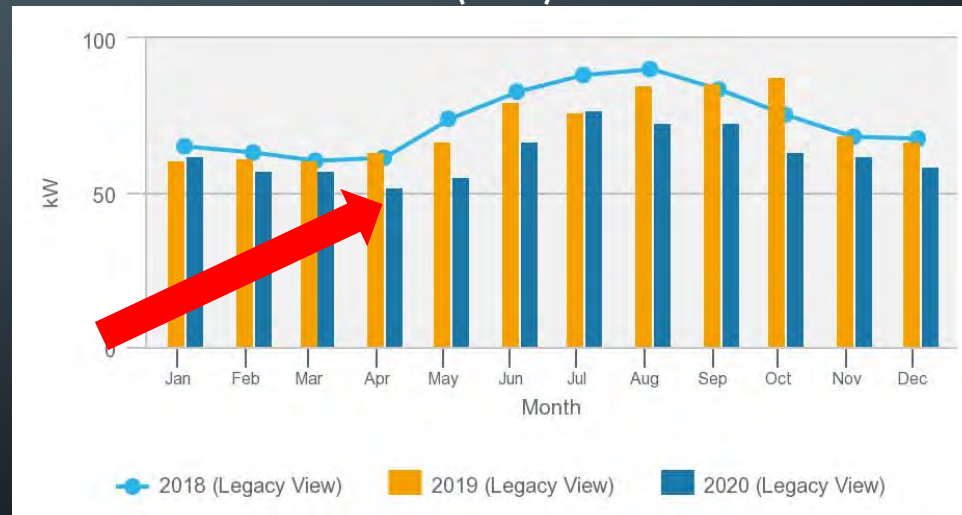
Multiple Items Tracked

- Focus on IPVMP protocols
- 15% energy use reduction
- 10.6% energy cost reduction \$3.7K savings
- 27.4% NG reduction

Natural Gas Usage (MMBtu)



Peak Electric Demand (KW)



CELEBRATE SUCCESSES

Communicating your energy team successes in clear and understandable ways broadens the program support.



- Make the Complicated Simple
- Create Meaningful Analogies

CELEBRATE SUCCESSES



Test Location – Updated Feb. 2020

37 → 74

2019

2020



Test Location – Updated June 2020

21 → 59

2019

2020

CELEBRATE SUCCESSES



More information on Wendy's available on [Wendys.com](https://www.wendys.com) and the 2020 Corporate Social Responsibility Report.

12 Month Pilot Results

- 15% reduction in total energy use 10.6% reduction in energy costs.
- 6.5% reduction in total electric use 8% reduction in electric cost.
- 27.4% reduction in NG use. 19.2% reduction in NG cost while rates went up 11.2%.

2020 GHG Emissions – Pilot Project

Elimination of 24 Metric Tons of CO₂ 10.4% reduction in GHG

- Scope 1: 27.4% Reduction
- Scope 2: 6.35% Reduction

CELEBRATE SUCCESSES



2020 CORPORATE RESPONSIBILITY REPORT

© 2021 Wendy's Old Fashioned Hamburgers, LLC

[CSR Reports | Wendy's® \(wendys.com\)](#)

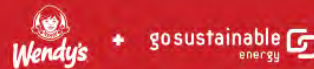
FOOTPRINT



Wendy's Energy Score

In partnership with Go Sustainable Energy, Wendy's developed a statistical proprietary model to analyze Wendy's energy usage at company restaurants and franchisees participating in the Better Buildings Challenge. This tool, known as the Wendy's Energy Score, was created using a similar methodology that is used by the Environmental Protection Agency to develop their ENERGY STAR® Energy score, which is not currently available for restaurants. The Wendy's Energy Score provides a score of 0-100, with the higher the score reflecting the better energy performance.

The Wendy's Energy Score is used to benchmark and prioritize energy investments. Not surprising, the Wendy's smart building design consistently ranks in the top quartile demonstrating their better energy performance. These same buildings rank among the most efficient in the Better Buildings Challenge when looking at energy per transaction.



2020 CORPORATE RESPONSIBILITY REPORT

GRIDPOINT

Award-winning energy leadership

In 2020, Wendy's was awarded the 2020 Energy Efficiency Innovation award by AEP Ohio®, the state's largest utility provider. This award was given for our ongoing efforts to reduce energy and support our franchisees in energy reduction efforts. Wendy's continues to innovate by benchmarking energy use and demonstrates energy reduction in operational improvements and strategic energy investments, such as LED parking lot light upgrades, walk-in cooler upgrades and HVAC replacements.

Saving energy in HVAC

Wendy's engages key partners in sustainable business practices to help us improve the ways our equipment operates and how we purchase and use energy. One significant energy use in a restaurant is heating, ventilation and air conditioning. In our ongoing effort to find deep energy retrofit solutions, Wendy's piloted and rolled out energy management systems with GridPoint® and Transformative Wave® at more than 50% of our Company restaurants.

GridPoint's platform captures real-time, equipment-level energy and facility data to understand how our buildings are operating and to identify inefficiencies. The system then optimizes HVAC run-times and electrical demand while prioritizing customer comfort to make our restaurants more efficient. This means less energy used, lower utility costs, and less CO2 emissions coming from our restaurants.

To-date, we have installed GridPoint systems at more than 300 Wendy's locations, with 110 having been installed in 2020 alone.

Also in 2020, Wendy's installed Transformative Wave HVAC upgrades and ventilation control solutions at 79 Company-operated restaurants. Transformative Wave reduces the HVAC energy needed while improving the temperature, ventilation control, and overall comfort. The ventilation system at these restaurants is continuously monitored and adjusted to ensure energy savings and active ventilation control. Our initial pilot locations have now been in operation for one year, with energy use down 15% and GHG emissions down by 10% in 2020 compared to 2019.

Each of these systems has had its approach validated using standards set under the International Performance Measurement and Verification Protocol, and the improvement can take place without overhauling a restaurant's physical HVAC systems.

GRIDPOINT

transformativewave

SUMMARY

1. Demystify the Science
2. Identify the Energy Waste / Opportunity
3. Create a Compelling Vision
4. Develop the Business Case
5. Build Consensus
6. Measure Results
7. Celebrate Successes

Resources

- [Wendy's 2020 CSR Reports | Wendy's® \(wendys.com\)](#)
- [Transformative Wave - Home of the CATALYST & eIQ Platform](#)
- [Transformative Wave - Energy Department Recognizes Leadership in Commercial Building Rooftop Unit Efficiency – 2018 Advanced Rooftop Unit Campaign Awards | Department of Energy](#)

Thank You

Contact

Scott R. Moline, LEED AP

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614-940-7930



Andrew Hejnar

3M

Submit Questions
www.slido.com event code **#DOE**



Science.
Applied to Life.™

Energy Management

Making the Case for Energy Efficiency

Andrew Hejnar

May 2021

3M Company

Since 1902...

Our Vision

3M Technology Advancing Every Company

3M Products Enhancing Every Home

3M Innovation Improving Every Life



Science improving lives for more than a century

- Wetordry™ Sandpaper
- Scotch® Masking Tape
- Scotch® Cello Tape
- Scotchlite™ Reflective Signage
- 3M™ Flat Fold Disposable Respirator with Valve
- Scotch-Brite™ Sponge
- Micropore™ Medical Tape
- Command™ Adhesive Strips
- Post-it® Notes
- 3M™ Aluminum Conductor Composite Reinforced (ACCR)
- Cubitron™ Abrasives
- 3M™ 360 Encompass™ System
- Scotch® Magnetic Tape



Corporate Sustainability Goals



Raw Materials



Water



Climate & Energy



Health & Safety



Education & Development



Climate & Energy

Improve energy efficiency indexed to net sales by 30 percent.

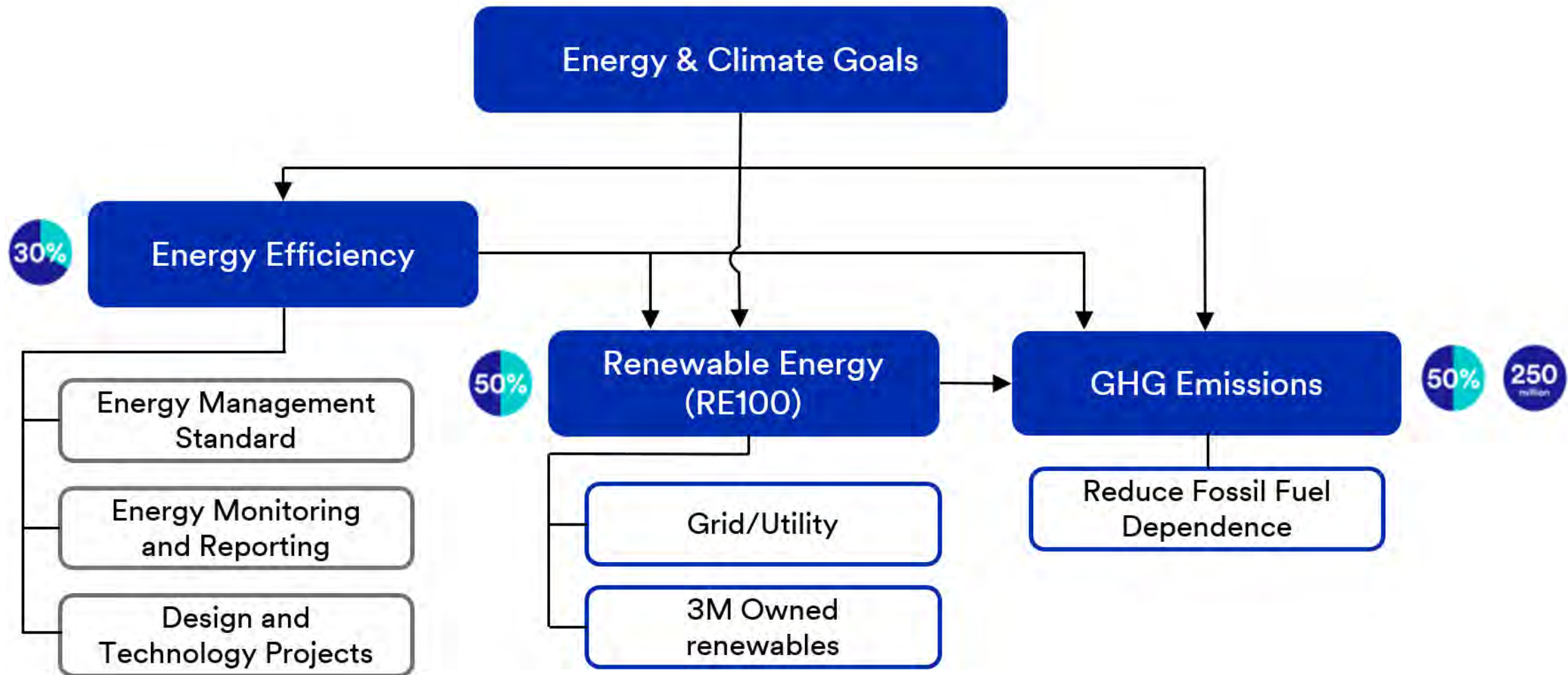
Increase renewable energy to 50% of total electricity use.

Reduce Scope 1 and 2 market-based GHG emissions by at least 50% by 2030, 80% by 2040, and achieve carbon neutrality in our operations by 2050.^{1,3}

Help our customers reduce their GHGs by 250 million tons of CO₂ equivalent emissions through use of 3M products.

1. 2019 will be the baseline measure year for these new commitments
2. Expanded commitment from 10% between 2015 and 2025
3. Expanded 3M's 2025 goal to stay below 50% of our 2002 baseline, meaning 3M's 2030 Scope 1 and 2 emissions will now be reduced more than 85% from 2002 levels

Strategies for Climate and Energy Goals





Environmental, Health and Safety Policy

Corporate Energy Policy

Applies To

This policy applies to all 3M operations.

Policy Statement

3M will seek to both promote the efficient use of energy in our operations and to deliver products to our customers that help them save energy.

Additional Elements

3M is committed to continual energy performance improvement and will take the following steps to support this policy:

- Assess energy performance in our existing operations, in the construction of new facilities, in the development of new products and where applicable, in the procurement process.
- Implement an effective energy management system that supports manufacturing capabilities while providing a safe and comfortable work environment with the information and resources needed to set and achieve appropriate energy objectives and targets.
- Secure adequate reliable, and when feasible, renewable energy supplies at competitive rates and conduct appropriate contingency planning activities to protect operations from interruptions.
- Encourage continuous energy performance improvement by employees in their work and personal activities.
- Drive development and application of innovative energy efficiency technologies in our products and through our operations.
- Cooperate, when feasible, with governmental agencies, utility companies and other organizations on energy programs and comply with all legal requirements relating to energy use, consumption and efficiency.
- Report progress toward 3M's energy objectives and targets to executive management and external stakeholders on a regular basis.



3M's Energy Policy

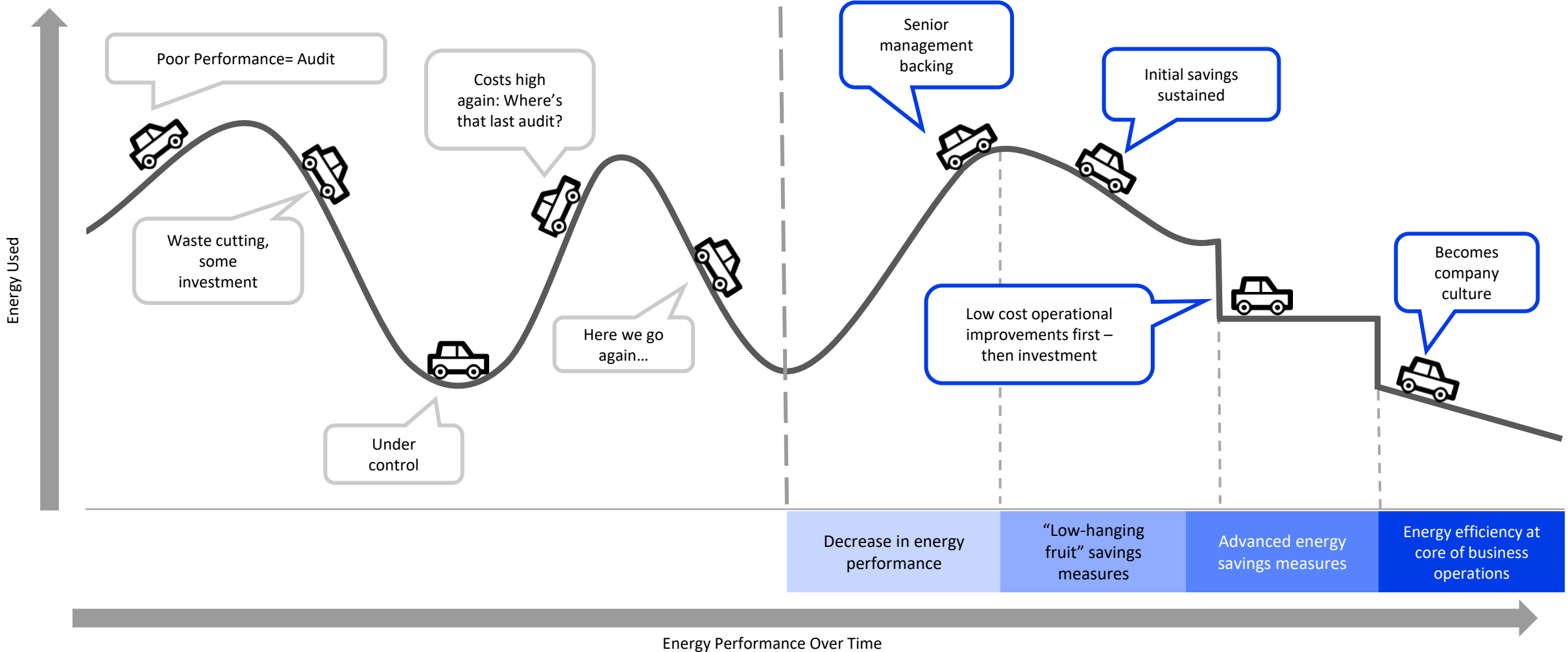
3M is **committed** to **continual improvement** in its **energy performance** and the promotion of the **efficient use of energy** to produce and deliver products and services to its customers



ISO 50001 is a Systemic Approach to Energy Management

From an ad-hoc approach

To a systemic approach



Strategic Energy Management Continuum



Superior Energy Performance (SEP):

Verifies measured – internal credibility.
Rigorous third-party measurement and verification.

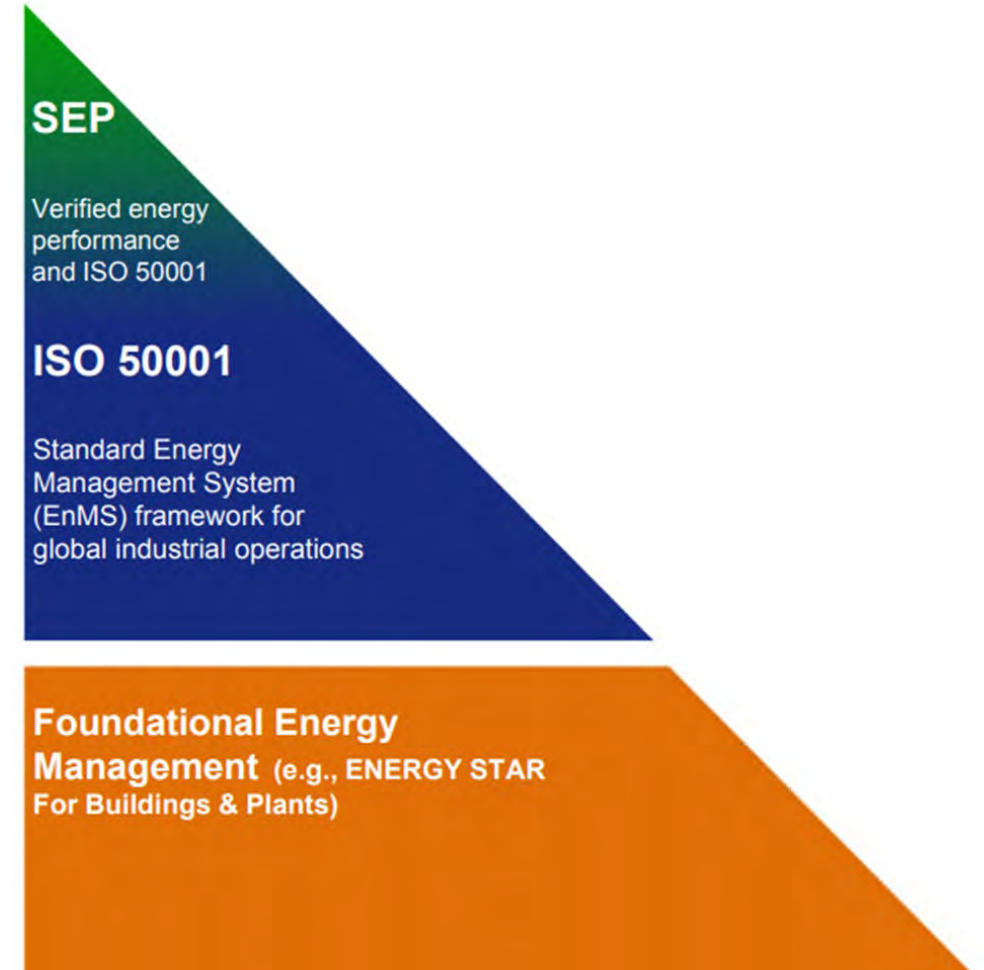
Marginal effort beyond ISO 50001

ISO 50001

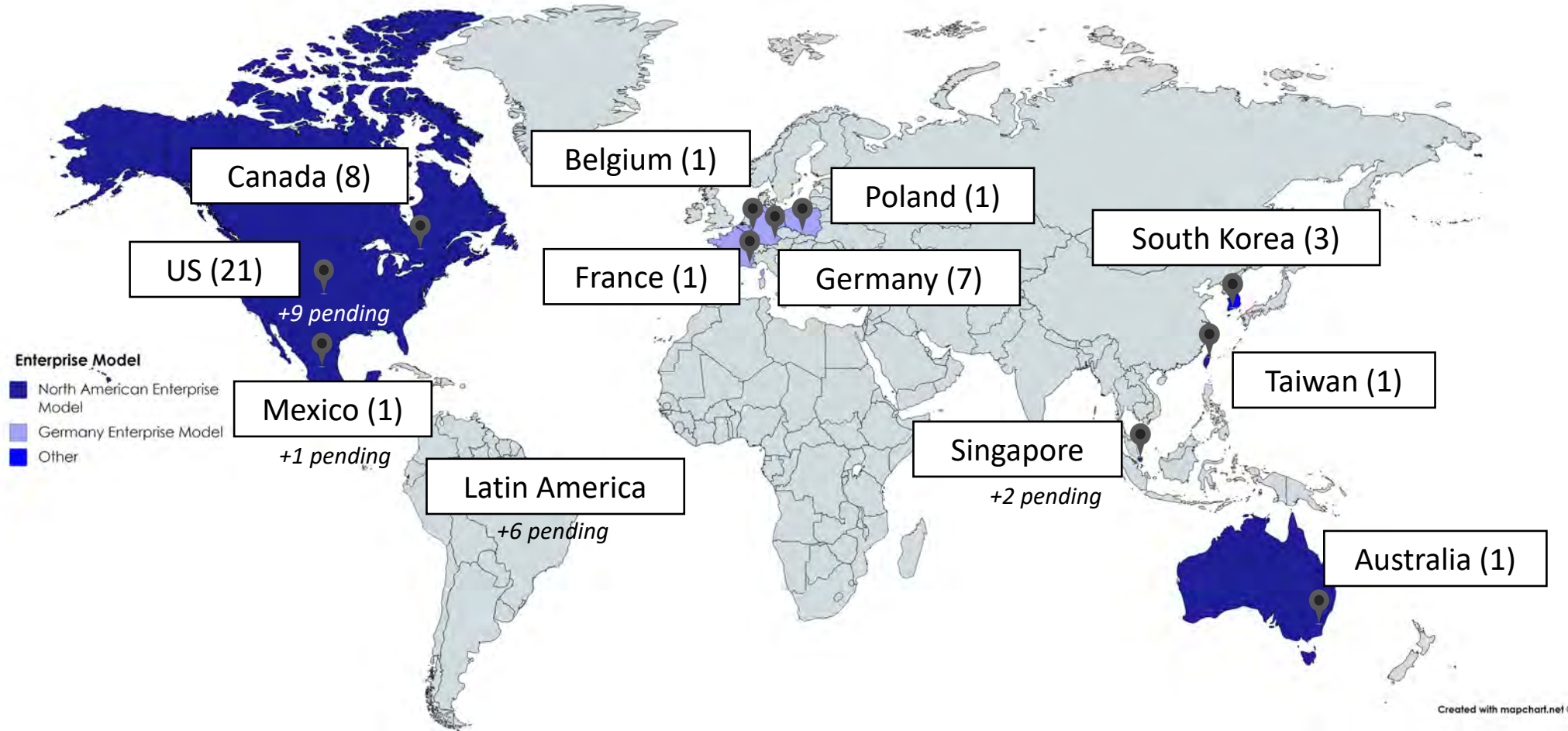
ISO standard for Energy Management Systems (EnMS).

Transition from project to systematic approach.

Many utility SEM programs operate at this level.



45 of 3M Global Sites ISO 50001 Certified



3 Pillars to Successful Energy Management

**Metering
& Targeting**



**Technology
& Projects**



People



Metering & Monitoring



- I. What you can't measure you can't control – make energy visible
- II. Sub-metering
- III. Energy Map – identify where energy is used and how much it costs



- IV. Establish energy baselines
- V. Establish energy targets normalized for product types, outside weather conditions and any other related variables.



- VI. Provide real-time energy information for operating personnel.



- VII. Provide energy consumption reporting for management for tracking and budgeting.

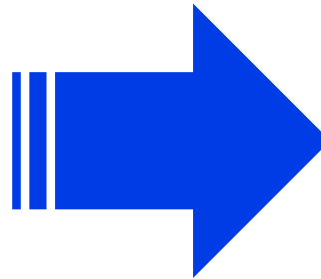
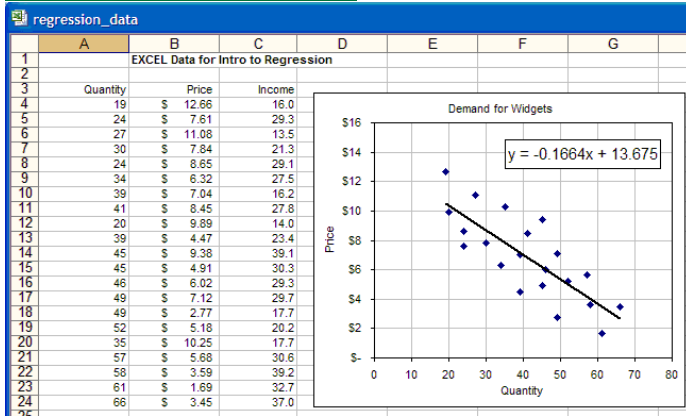
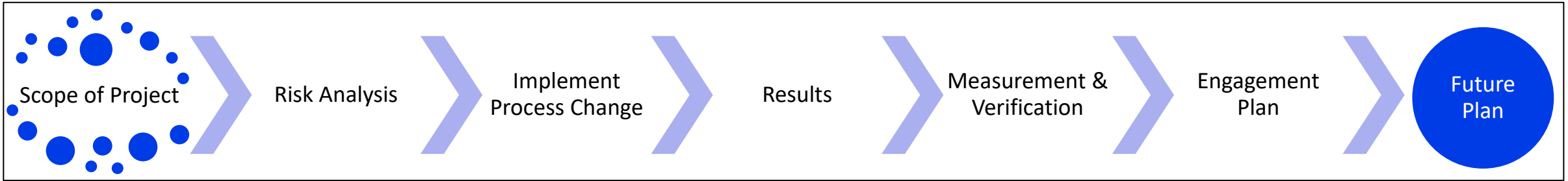
Design and Technology Projects

Combined Heat & Power (CHP)	Chillers/HVAC	Compressed Air Optimization	LED Lighting	Design and Procurement
<ul style="list-style-type: none">❖ Stable and low natural gas prices❖ High electricity cost❖ Steady electrical base load❖ Steady heat sink for heat recovery❖ Government/local utility support	<ul style="list-style-type: none">❖ Conditioning of air is very expensive - \$5 per CFM per year❖ Air balance studies to reduce exhaust and makeup air❖ Re-commission existing equipment❖ Optimize Chilled Water Systems❖ Use Free Cooling	<ul style="list-style-type: none">❖ The most expensive – 7 HP of electricity used to produce 1HP of comp. air❖ Replace with equipment not requiring compressed air (ex. electric blowers, mixers etc.)❖ Reduce air leaks – most plants leak at 20-30%	<ul style="list-style-type: none">❖ Mature technology❖ Significant energy savings (60-90%)❖ Better illumination and light quality❖ Longer life – less maintenance cost	<ul style="list-style-type: none">❖ Assess energy efficiency in equipment upgrades❖ Re-evaluate the needs for like-to-like replacements❖ Include alternative practices for energy intensive process in design phase

Continuous Improvement – Energy Manual

- Best practices for all sites to follow
- Metering required for new equipment exceeding threshold limits

Using the proper tools



People: Employee Engagement

Why?

- Production staff operates and works with the energy-consuming equipment every day
- Better employee retention and satisfaction
- Increased trust in management

How?

- Employee Suggestion Program – Tier Tags
- Conservation Awareness Campaigns
- Energy Training
- Let the employees know they matter

Sustainability / Energy Improvement Suggestion

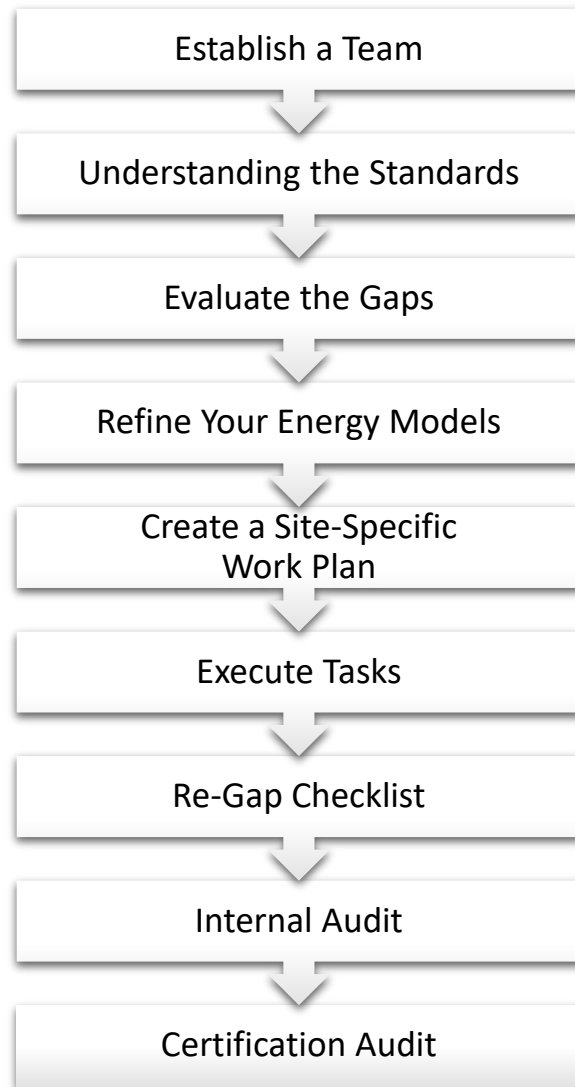
Initiator: _____ Date: _____

Issue and Recommended Action / Resolution

Action Planned / Taken:

Target Completion Date: _____ Actual Completion Date: _____

Potential Timeline for ISO 50001 Implementation



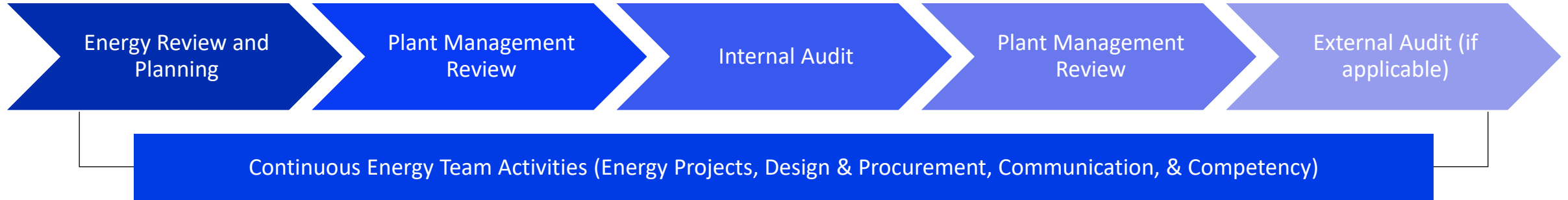
Timeline is

- ✓ Flexible
- ✓ Determined by the site

Variables Affecting Implementation Timelines

- Available resources for implementation team
- Available sub-metering or existing equipment list
- Previous Energy Team Activities

Continual Program to Sustain Energy Savings



Enterprise Team Support

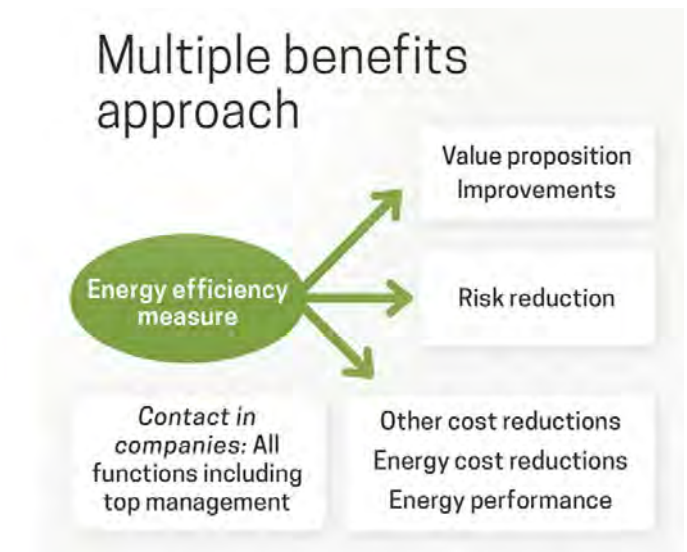
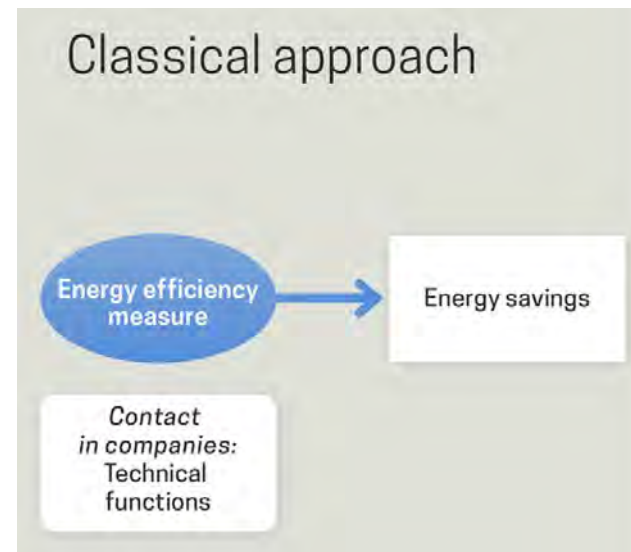
- Energy Manual and SOPs
- Standardized Tools & Resources
- Internal Auditor Resources
- External Audit Coordination
- Training Modules
- Communication Materials
- Energy Modelling
- Energy Project Expertise

The Multiple Benefits Method

A Decision Support Tool for Investment Projects

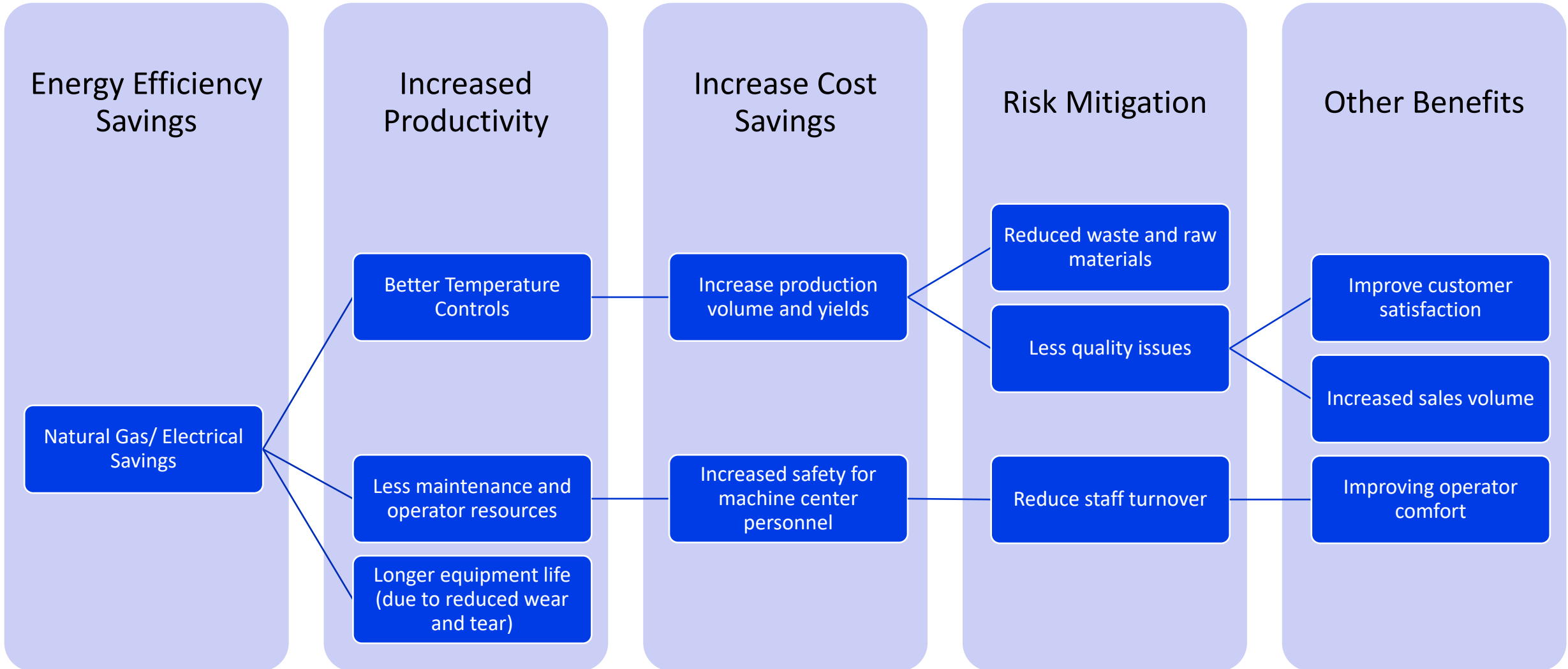
This approach increases the attractiveness of projects by:

- Considering all main corporate interests: operations, logistics, production, marketing & sales, strategy, finance
- Measures beyond energy savings
- Makes energy efficiency strategic
- Makes energy efficiency more profitable
- Bridges the gap between the “energy people” and the “non-energy people”



Energy Review Process

Example: Oven insulation to save energy – Multiple Benefits Approach



Energy Review Process

Adding a dollar value to non-energy benefits

Energy Efficiency	Increased Productivity	Increased Cost Savings	Risk Mitigation	Other Benefits
<ul style="list-style-type: none">• \$/kwh• \$/mcf• \$/MMBtu	<ul style="list-style-type: none">• Burden rates• Sales• COGS	<ul style="list-style-type: none">• Burden rates• Sales• COGS• Overtime rates	<ul style="list-style-type: none">• Quality issues• WIMS entries• Raw material costs• Waste disposal costs	<ul style="list-style-type: none">• Employee attendance



Remember to evaluate all benefits, but do not double count savings!

Key Success Factors

Senior Management
Commitment

Employee
Engagement And
Support

Expert Consultant
Support

Government And
Local Utility Support

Rigorous Project
Tracking And
Information System

Existing Quality And
Environmental
Management
Systems

Prior Investment In
Internal Energy
Programs

Legacy Of Corporate
Leadership In
Sustainability

3M Energy Management Recognition



Clean Energy Ministerial Global Awards	2019 – Excellence in Energy Management (Corporate)
	2017,2019 – Insight Award (3M Company, 3M Canada)

Dow Jones Sustainability Index	2019 – 20 th Consecutive year of recognition
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DOE BBBP	2021 - Better Projects Award – Batteryless, cloud steam trap monitoring system
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Association of Energy Engineers	2020 – iTEAM Awards (Cynthiana & Cottage Grove)
	2019 – Corporate Energy Management
	2019 – Energy Engineer of the Year Award (Canada)



Canadian Industry Program for Energy Conservation (CIPEC)	2014/2018 – Corporate Stewardship
---	-----------------------------------

IESO (Crown Corp.)	2018 – Energy Manager of the Year Award
--------------------	---

A white outline of a triangle is centered on a black background. The triangle is oriented with its base at the bottom and its apex at the top. The lines are thin and white.

Thank you!



Erin Hiatt

Retail Industry Leaders Association (RILA)

Submit Questions
www.slido.com event code **#DOE**

Making the Case for Energy Efficiency

KEY QUESTIONS AND RESOURCES



**RETAIL INDUSTRY
LEADERS ASSOCIATION**

May 19, 2021

REPRESENTING THE LEADING BRANDS IN RETAIL

PREMIER MEMBERS



Gap Inc.



Walgreens



Abercrombie & Fitch Co.
Abercrombie & Fitch | abercrombie kids | HOLLISTER | 70/20



AEO



ALTAR'D STATE
stand out. for good



ascena
retail group inc.



Burlington



chico's



Crate&Barrel



Dillard's



DSW INC.

EXPRESS

FINISH LINE

five BELOW



GameStop
power to the players



HIBBETT
SPORTS



J.CREW

JCPenney

JOANN

KOHL'S



LANDS' END

LEVI STRAUSS & CO.



L.L.Bean



macy's Inc

meijer

THE MICHAELS COMPANIES



NORDSTROM



PANDORA

Party City

AutoPlus Pep Boys



PETSMART

Publix



qurate
RETAIL GROUP



ROSS
DRESS FOR LESS

SALLY BEAUTY



SHERWIN-WILLIAMS

SIGNET
JEWELERS



TAILORED BRANDS



T-Mobile



Walmart

Wawa

Wegmans

WILLIAMS-SONOMA



Erin Hiatt
Vice President of CSR
RILA
erin.hiatt@rila.org

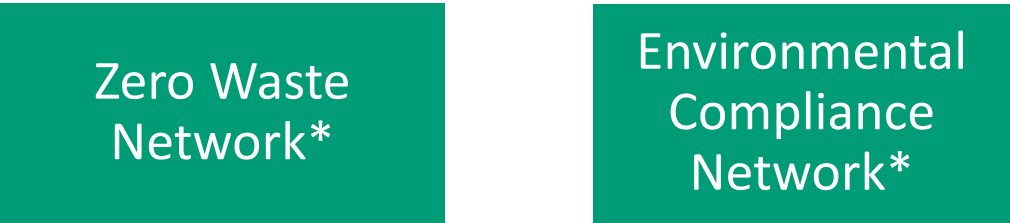
RILA SUSTAINABILITY STRUCTURE



Led by Erin Hiatt



Led by Susan Kirsch



Led by Kaela Martins

Led by Tiffin Shewmake

Retail Compliance Center

* = Open to non-member retailers

KEY CONSIDERATIONS

HAVE YOU CONSIDERED INTERNAL OR EXTERNAL FUNDING OPTIONS?

INTERNAL

1. Internal Carbon Pricing
2. Capital Investment Fund
3. Green Revolving Fund
4. Expedited Approval
5. Cross-Departmental Collaboration

EXTERNAL

1. Green/Sustainability Bond
2. Tax-Increment Financing (TIF)
3. Energy Performance Contract (EPC)
Executed
4. Energy Service Agreement (ESA)
5. Property Assessed Clean Energy (PACE)

WHAT BENEFITS ARE SOMETIMES NOT QUANTIFIED BUT SHOULDN'T BE IGNORED?

1. Benefits to other departments/teams
2. Risk Avoidance
3. Emissions
4. Resiliency
5. Environmental Justice
6. Storytelling/Reputation
 1. Investor Expectations (ESG)
 2. Employee Engagement
 3. Customer Expectations

WHAT CAN YOU LEARN FROM TEAMS WHO PITCH INTANGIBLES REGULARLY?

1. Sustainability
2. Marketing/Communications
3. Public Policy
4. Diversity & Inclusion

HOW CAN YOU START TO QUANTIFY INTANGIBLES?

1. Take cues from investors/asset valuation research
2. NYU Stern Return on Sustainability Investment (ROSI)
 1. Retail case studies from:
 1. REI (Employee Wellbeing)
 2. Eileen Fisher (Circularity and Energy Management)
 3. Reformation (in development)
3. RILA Value of CSR Webpage/Capitalize Green

THANK YOU!

Q & A

Submit Questions
www.slido.com event code **#DOE**

Additional Resources

WENDY'S: MOBILE, ALABAMA

<https://betterbuildingsolutioncenter.energy.gov/showcase-projects/wendys-mobile-alabama>

WENDY'S #2142 – MAXTOWN ROAD

<https://betterbuildingsolutioncenter.energy.gov/showcase-projects/wendy%E2%80%99s-2142-%E2%80%93-maxtown-road>

3M COMPANY NOW HAS 30 SITES CERTIFIED TO ISO 50001, WITH 13 HOLDING SEP CERTIFICATION

<https://betterbuildingsolutioncenter.energy.gov/iso-50001/showcase-projects/3m-sep-50001>

RETAIL INDUSTRY LEADER ASSOCIATION'S (RILA) FINANCING CALCULATOR

<https://betterbuildingsolutioncenter.energy.gov/solutions-at-a-glance/retail-industry-leader-associations-rila-financing-calculator>

Solution Center Video Place Holder

Better Buildings: Summer Webinar Series



ELECTRIFYING OUR BUILDINGS: CHALLENGES AND SOLUTIONS

June 8



BECOMING ESPC-READY

June 15



BOOSTING INDUSTRIAL AND MANUFACTURING EFFICIENCY AND RESILIENCY WITH CHP

June 17



FINANCING IN HIGHER EDUCATION

June 22



WHAT'S HOT WITH HEAT PUMPS

June 29



HOW TO IDENTIFY CHP PROJECTS THAT FIT YOUR GOALS

July 1



KICK THE TIRES: UNDERSTANDING THE ROLE OF R&D IN THE DEPLOYMENT OF BUILDING ENERGY TECHNOLOGIES

July 6



ESPC IN THE EXPRESS LANE: NEW PROJECT TRACKING TOOLS

July 13



WORKPLACE EVOLUTION: SUPPORTING OCCUPANT HEALTH WHILE ACHIEVING ENERGY EFFICIENCY

July 20



ENERGY-SAVING ENVELOPE SUCCESS STORIES

July 27



WASTE REDUCTION: LESSONS LEARNED AND WHAT COMES NEXT

August 3



VISUALIZE YOUR ENERGY FUTURE WITH 'SLOPE': THE STATE AND LOCAL PLANNING FOR ENERGY PLATFORM

August 10

Additional Questions?

Please Contact Us



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