

Building Energy Efficiency A Win-Win Climate Solution



Buildings Use a Lot of Energy



40%

32%

28%

BUILDINGS

INDUSTRY

TRANSPORTATION

Locally, it's even higher

In the City of St. Louis . . .



BUILDINGS

INDUSTRY

TRANSPORTATION

Building Energy Efficiency
Is a Win-Win
Climate Solution!

Lots of building energy use means lots of opportunity

30% of energy used in buildings is wasted through inefficiency (EPA)

Half of all energy savings are possible through low-cost or no-cost operational improvements (EPA)



BETTER BUILDINGS
— THROUGH —
BENCHMARKING

www.BetterBuildingsSTL.org

What is Energy Benchmarking?

Tracking your building's energy use and comparing your performance to the past and to similar buildings is called ***BENCHMARKING***

Why Benchmark?

- You Can't Manage What You Don't Measure!
- Buildings that benchmark save 7% energy on average over three years

Join 80+ Benchmarkers!

Pledge to benchmark your energy use!

- Step 1. Take the Pledge to Benchmark Your Building Energy Use

www.BetterBuildingsSTL.org!

- Step 2. Find out how your building stacks up by benchmarking in ENERGY STAR Portfolio Manager
- Step 3. Use benchmarking results to inform plans to save energy & money



BETTER BUILDINGS
— THROUGH —
BENCHMARKING

Support & Recognition

- Recognition at USGBC-Missouri Gateway Chapter website & events!
- Benchmarking and energy efficiency support from local service providers.
- One on one assistance from USGBC volunteers
- Referrals to energy efficiency resources
- Invitations to special Benchmarking training events
- National recognition through Green Building Information Gateway (www.GBIG.org)



Welcome to #CityEnergyProject St. Louis



CITY
ENERGY

A JOINT PROJECT of NRDC + IMT

Buildings Systems & Energy Use



HEATING, VENTILATION & AIR
CONDITIONING (HVAC)



LIGHTING



WATER
HEATING

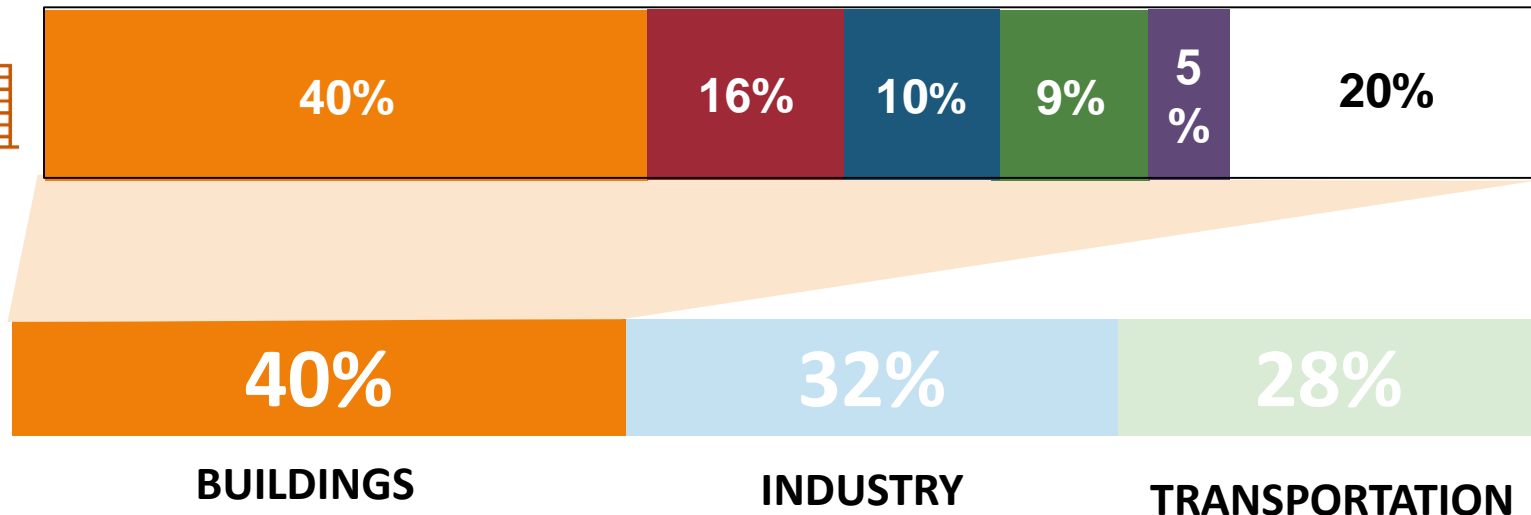


PLUG
LOADS



ELEVATORS

EVERYTHING
ELSE



Invest in Your Building

Low & No Cost Improvements

- Check your Building Scheduling
- Perform Regular Maintenance
- Weatherize and Reduce Unnecessary Air Infiltration
- Upgrade lighting
- Retro-Commission – A Building Tune Up

Invest in Your Building

Medium-Cost Measures

- Get an energy audit
- Invest in Your Building Systems
 - Upgrade Your Building Controls
 - Upgrade Your HVAC System
- Improve Your Building Envelope

Invest in Your Building Staff

- ❑ Building Operator Certification Training
- ❑ Green Building Professional Skills (GPRO)
Operations & Maintenance Training

Funding Your Projects

- Ameren Missouri Incentives
- Spire Rebates
- Property Assessed Clean Energy (PACE)
- Energy Savings Performance Contract with an Energy Services Company (ESCO)
- Missouri Division of Energy Low Interest Loans

Earning Challenge Points

- Sign on to the Better Buildings Through Benchmarking Campaign! **20 points**
- Submit your annual building performance data to help measure the region's energy reduction progress. **30 points**
- Attend USGBC-Missouri Gateway Chapter Program **5 points each**

Upcoming Events

LEED Tour: St. Louis Community College Center for Nursing and Health Sciences

Tuesday, July 9, 5:30 – 7:30 pm

Net Zero Carbon, Water, and Energy + Decarbonizing at the District Level

Tuesday, August 13, 5:30 – 7:30 pm

www.usgbc-mogateway.org/calendar



Thank You!



Johanna Schweiss
Volunteer & Outreach Coordinator
USGBC-Missouri Gateway Chapter
314-577-0884

Johanna.schweiss@mobot.org

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