

# Research Facilities Group

## Benchmarking Review



Keith McClanahan

Facility Issues

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# Today's Webinar

- A brief overview of benchmarking  
Keith McClanahan – Facility Issues
- Oak Ridge National Laboratories - ESPC Program  
Hurtis Hodges, ORNL
- LEED/Green at Sandia National Laboratories  
John Zavadil, Sandia



# RFB – Steering Committee

John Parent, Battelle

Chairman

Facilities Planning, Engineering & Construction

Chris Heck, DuPont

Gary Hyek, PPG

Security

Hurtis Hodges, Battelle ORNL

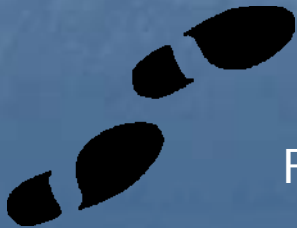
Environmental

John Wald, PNNL Battelle

Climate/Environment/Culture

Marcel Hollenstein, Fonterra Co-Operative

Sustainability



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# RFB - Steering Committee

???? - Gene Moss, Retired

Industrial Hygiene & Safety / Chemical Services

Mercy Bodarky, IBM

John Zavadil, Sandia

Operations and Maintenance (Except Utilities)

Brad Kimball, Rohm and Haas

Planning, Engineering, Construction and Sustainability

Bruce Walker, Battelle

Utilities/ Sustainability

Joe Clark, IBM

Chuck Davidson, Battelle

Jimmy Stone, Battelle ORNL



# Webinars

- First time for the RFB
- Schedule...

Energy Savings and Sustainability	May 19, 2009
Maintenance and Operations Best Practices	June 16, 2009
Maintenance and Operations Best Practices	July 21, 2009
Chemical Management Best Practices	September 15, 2009
Workplace Best Practices	November 17, 2009

All sessions will be held at 3:00 p.m. EDT or EST



# Keith McClanahan, PE, RPA

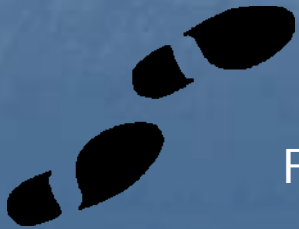
- Principal, Facility Issues
- 35 Years of facility experience – all FM areas
- 18 Years with Salt River Project—SRP (6 MSF)
- Facility benchmarking for 15 Years



# Benchmarking - *What Is It?*

*Bench . mark . ing:* The search for industry best practices that lead to superior performance

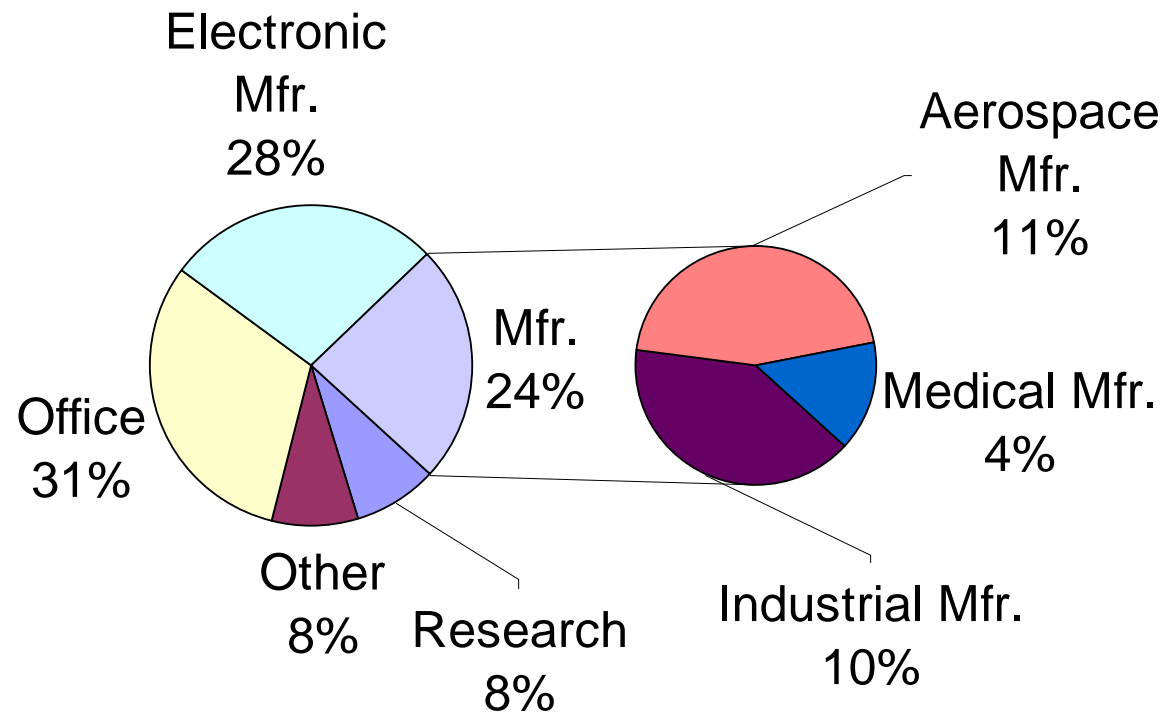
- A comparison of key metrics
- A type of professional development
- A continuous improvement program



# Who Benchmarks with Facility Issues?

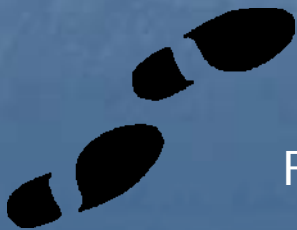
## Participants By Industry Type

For 2009:  
About 630 MSF

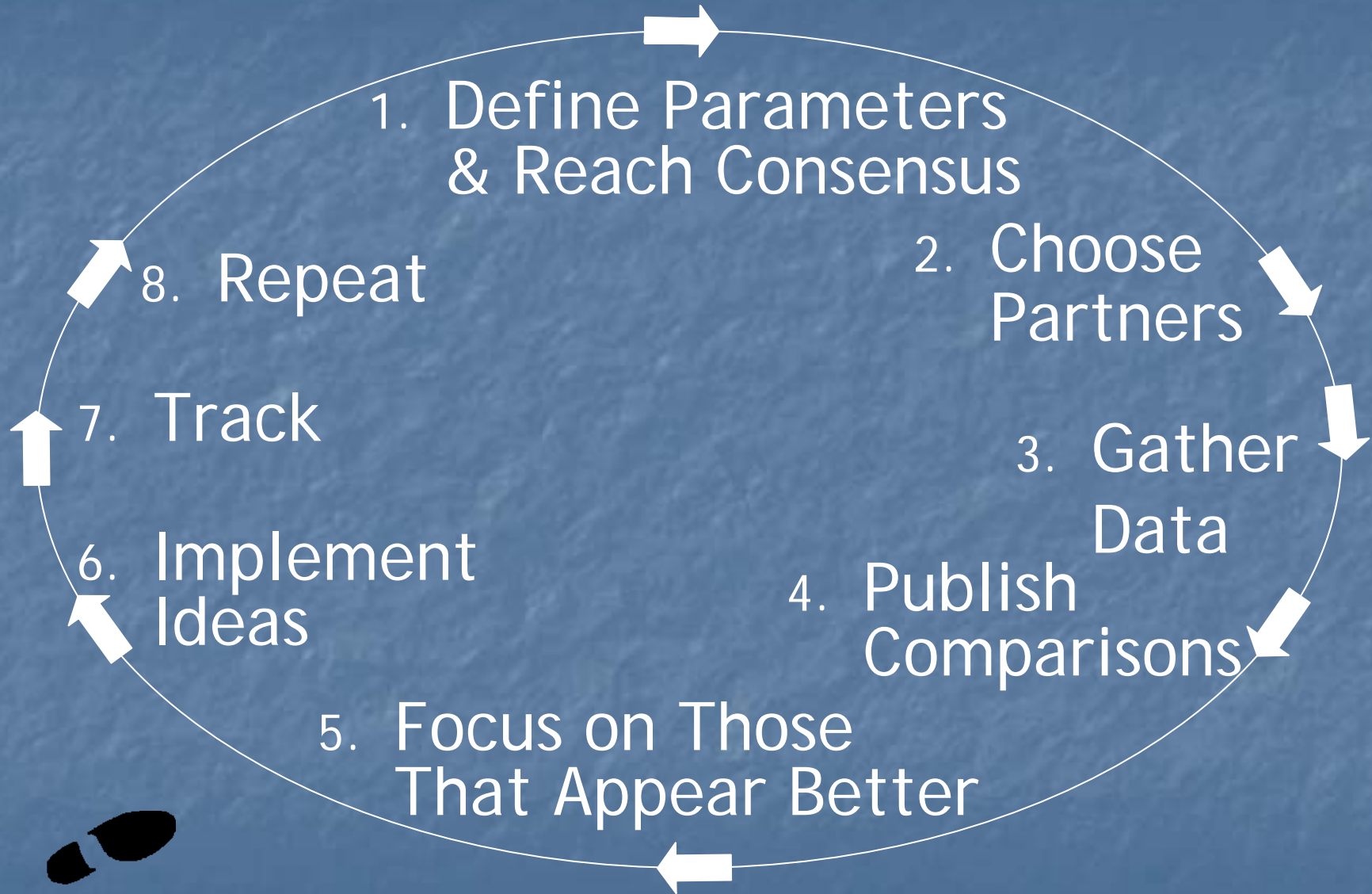


# Benchmarking Groups Include...

- Research Facilities Benchmarking Group
- Corporations with Multiple Sites
- Facility Managers Roundtable
- IFMA's Utility Council
- Museum and Cultural Institutions (IAMFA)
- Outsource Providers
- National Laboratories
- Regional Groups



# RFB Process:



# Benchmarking Objectives

- Enhance operating efficiencies of buildings
  - Costs
  - Space
  - Energy
- Reduce the carbon footprint of buildings



# Best Practices

**Benchmarking is more than just data collection.**

The real value is in understanding how other organizations are doing similar jobs for less cost, or better customer service, or both.



# Benchmarking Benefits for Yourself...

- Know what and how to change
- Be better prepared for change
- Build confidence and self esteem
- Reduce the need to defend your spending



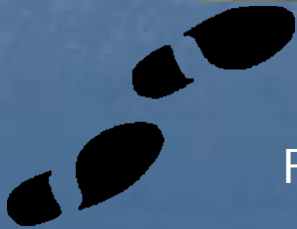
# Benchmarking Benefits



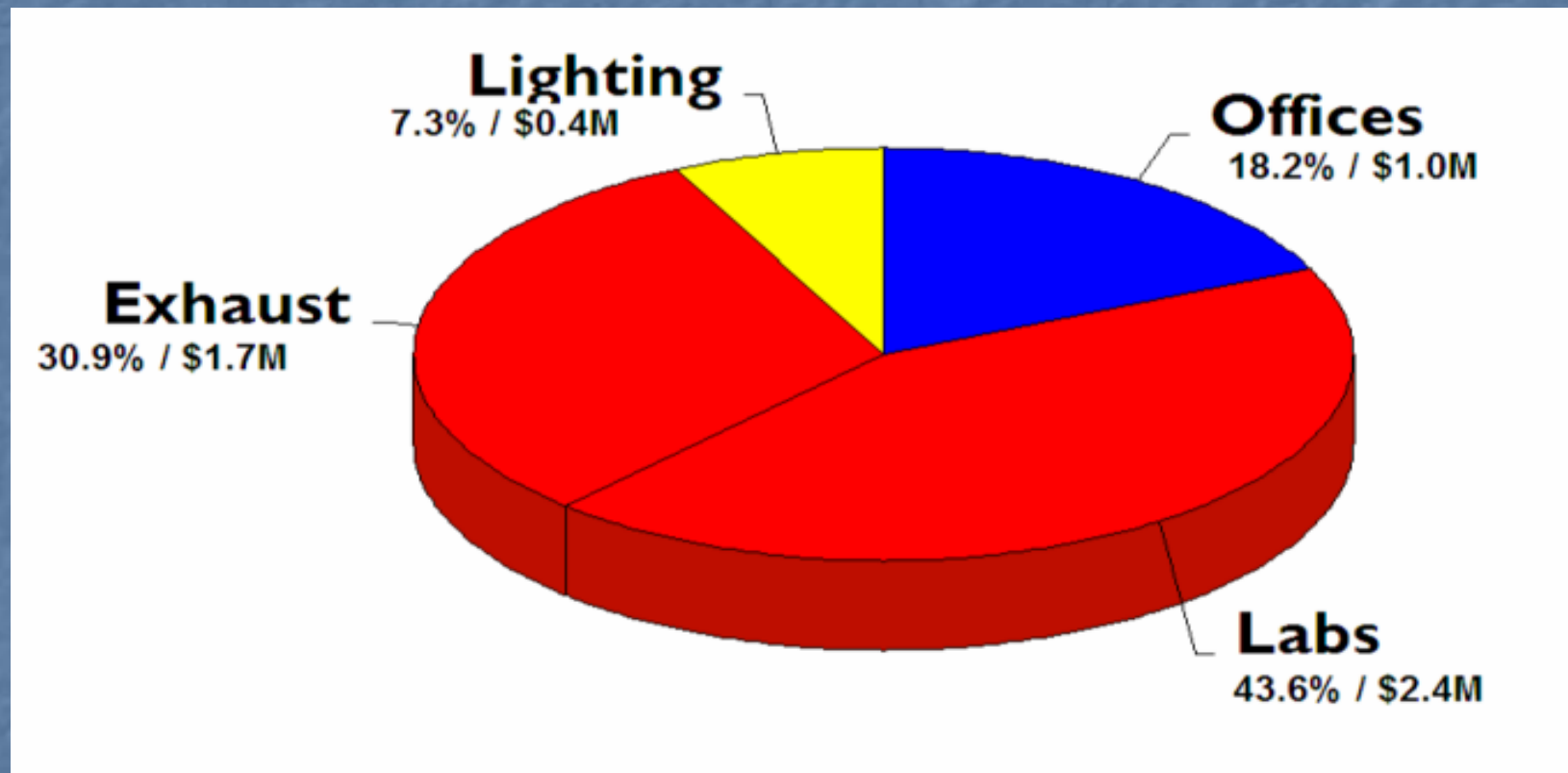
Understand how others manage IT

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# Cost Savings - Understanding your energy budget



# Cost Savings



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Thermal storage  
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# Cost Savings - Utilities

A 684,000 square foot research facility

- Focused on building management controls, fume hood operations, lighting, and reheat options
- First year cost reduction from \$3.21 to \$2.46 per square foot with no impact on the quality of the research programs
- First year savings of \$513,000



# Successful Benchmarking...

- Identifies under / over performance
  - Costs
  - Sustainability measures
- Create an acceptance for change
- Identify improved work processes
- Improved understanding of organization
- Know when to outsource
- Send auditors elsewhere

## *Next Steps*

- Register for next webinars at:  
<http://www.facilityissues.com/RFB1/Index.htm>
- If you would like to make a Best Practices presentation, send me a note at:  
[keithmcc@facilityissues.com](mailto:keithmcc@facilityissues.com)

## *Thank You*

