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Center for Engagement and Community  
Development

Rural Grocery Summit

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### Panel: Leveraging Public and Private Resources for Rural Grocery Stores

David Carter  
*Kansas State University*

Virginia Barnes  
*Blue Cross Blue Shield of Kansas*

David Kramer  
*USDA Rural Development*

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**Presenter Information**

David Carter, Virginia Barnes, David Kramer, and Imagine Harris



# Finding and Funding Energy Efficiencies in Rural Grocery Stores

NATIONAL RURAL GROCERY SUMMIT

JUNE 26, 2018

# Leveraging Resources

- ▶ Kansas Corporation Commission
  - ▶ Extended partnership to Kansas State University Engineering Extension in 2016
    - ✓ **Small Business Energy Program**
    - ✓ Energy Education
    - ✓ Facility Conservation Improvement Program
- ▶ Blue Cross/Blue Shield Pathways to a Healthy Kansas
- ▶ USDA Rural Energy for America Program

# Small Business Energy Program

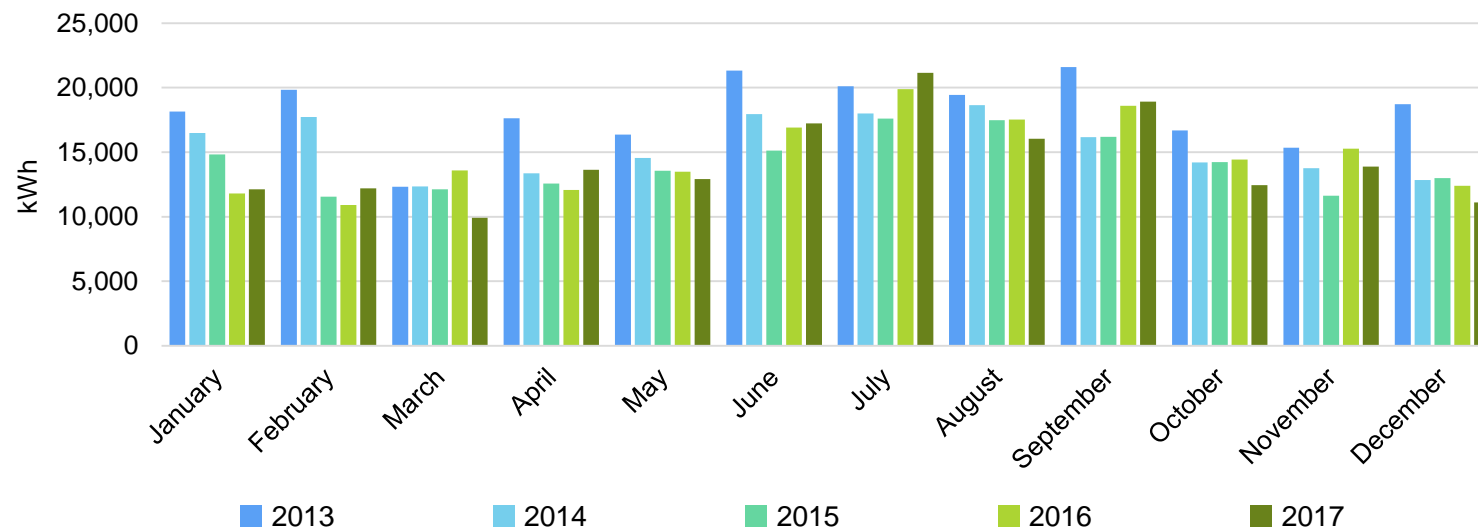
## ► Provides –

- ✓ Free energy audits to rural small businesses and agricultural producers
  - For-profit businesses (for REAP grant only; we still provide assistance to non-profits)
  - Populations less than 50,000
  - Small Business Administration small business size standard
    - For NAICS Code 445110, Supermarkets and Other Grocery (except Convenience) Stores, SBA size standard is average annual receipts <\$32.5M
- ✓ Technical assistance in applying for U.S. Department of Agriculture Rural Energy for America Program (REAP) Grant
  - If approved, reimburses up to 25% of eligible project costs



# Energy Assessments – What We Do

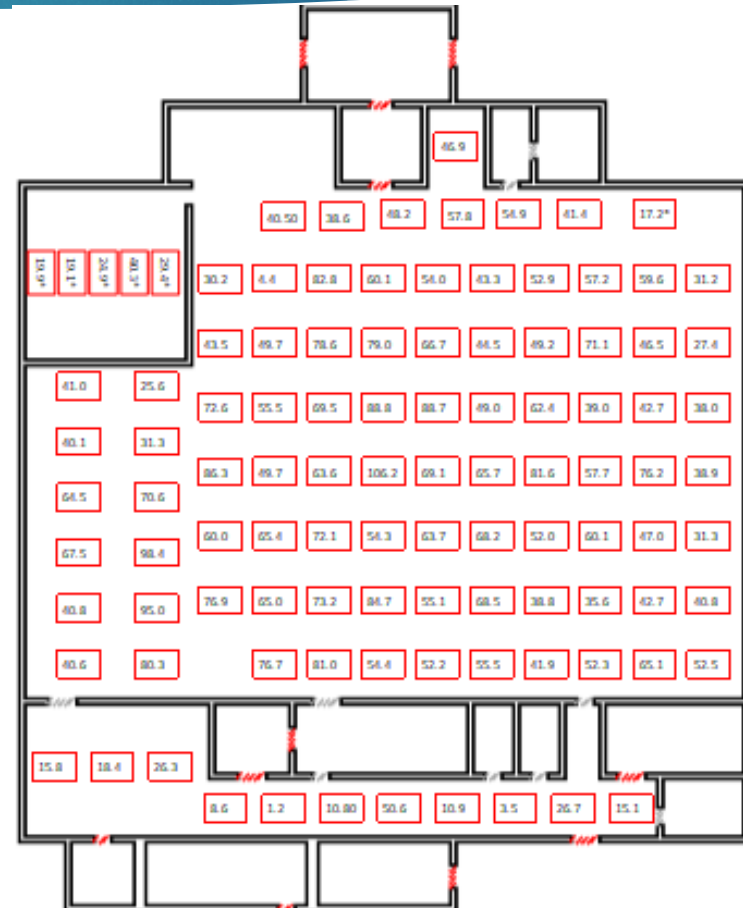
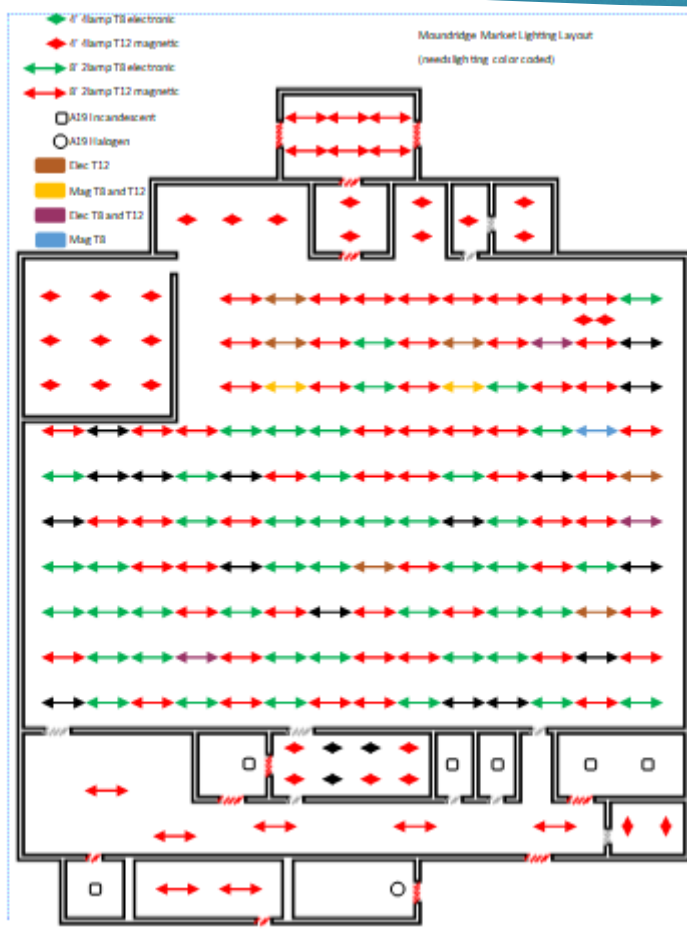
- ▶ Energy Analysis - Enter electrical and natural gas data (1-5 years)



# Energy Assessments – What We Do

- ▶ Energy Assessment
  - ▶ Interview owner/manager
  - ▶ Determine square footage
  - ▶ Take pictures of electricity-consuming devices, exterior, building envelope
  - ▶ Take pictures of name plate information for compressors, coolers
  - ▶ Conduct visual inspection of interior, exterior, roof, basement
  - ▶ Collect data using infrared imaging, light meters
- ▶ Energy Report
  - ▶ Yearly and monthly energy consumption
  - ▶ Calculations, simple payback

# Energy Assessments – What We Do





# Energy Assessments – What We See

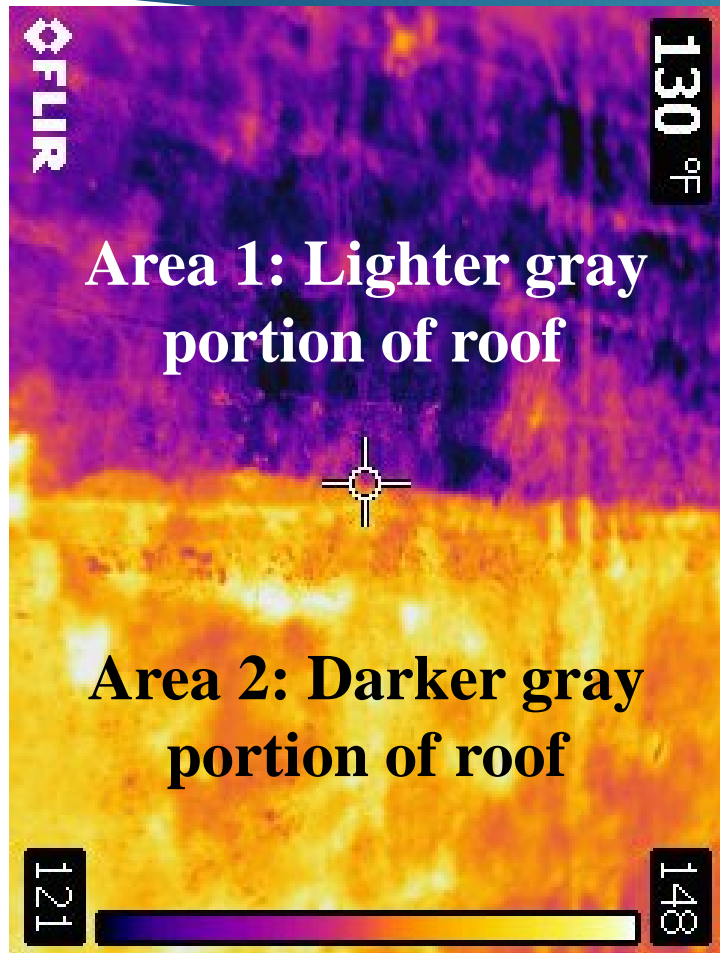


# Exterior vending machines: worth the expense?





# Roof color can have a major impact



# Energy Assessments – Where We Go





# Grant Assistance– What We Do

- ▶ REAP Grant Assistance
  - ▶ 4280-3A
  - ▶ SF424
  - ▶ SF424C
  - ▶ SF424D
  - ▶ USDA Scoring Criteria
  - ▶ DUNS number
  - ▶ SAM CAGE Code – notarized letter
  - ▶ Delivery for signature
  - ▶ Delivery to USDA



# Small Business Energy Program – Before and After



Before



After



# Small Business Energy Program – Before and After



Before



After

# Small Business Energy Program – Before and After



Before



After



# KCC/K-State Staff

- ▶ Lynn Retz – KCC Energy Division Director
- ▶ David Carter, CEM, CMVP – K-State Kansas Energy Program
- ▶ Yvonne Cook, CEM – K-State Kansas Energy Program
- ▶ Ryan Hamel, PE, CEM, CMVP – K-State Kansas Energy Program

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