



# Developing Residential Energy Usage Baselines and Energy Efficiency Options

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# Presentation Outline

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- Background and Context
- Objectives
- Scope of Work
- Deliverables
- Progress of Work
- Next Steps

# Background and Context

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- Previously, FCPC focused and implemented energy conservation and on-site generation projects for government and business facilities.
- This grant helped FCPC to focus on residential energy management
  - 211 tribally owned homes located on the reservation
- Baselines and energy auditing exercises are crucial for identifying home-specific energy conservation opportunities and evolving broader energy management guidelines for tribal homes.

# Objectives

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1. Develop Residential Energy Usage Baselines and
2. Identify Energy Efficiency Options for Tribal Homes on Reservation Lands

# Scope of Work

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1. Establish tribal homes to be included in the project
2. Gather home energy data and establish energy baselines
3. Conduct energy audits and identify energy efficiency improvement options
4. Develop home energy action plans.

# Deliverables

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1. A Report on Residential Energy Usage and Baselines Analysis
2. Residential Home Energy Audit Reports
3. Residential Home Energy Action Plans

# Progress of Work

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1. Three project meetings were conducted to kick-off the project, review the team tasks, plan and develop community outreach and project timelines.
2. Two community open houses were organized  
Oct. 23<sup>rd</sup> Stone Lake Museum and  
Oct. 26<sup>th</sup> Carter Casino
  - Overview of First-step Grant
  - What is Energy Auditing
  - Question and Answer Session
  - Videos of Home Energy Auditing
  - Demonstrations of home diagnostic tools and procedures

So far, 43 homes on the reservation signed for energy audit

# Next Steps in Outreach

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- ✓ Facebook
- ✓ Mass Mailing
- ✓ Small Group Presentations
- ✓ Door-to-door
- ✓ Word of mouth



# Next Steps-continued

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1. Home energy usage and energy baselines evaluation for approximately 250 homes (December 2017 -January 2018)
2. Home energy audits on 115-130 homes (January-October 2018)
3. Evolve Energy Conservation Measures (ECMs) and develop Home Energy Action Plans (November 2018-January 2019)

# Questions?

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