Presentation Preview

- Background
- Current NFRC Landscape
- NFRC Simulation
- NFRC Impacts and Benefits
- Project Budget
- Potential Co-Sponsors
- Why This Matters
- Questions
Background

- Non-Planar Products
  - Domed Skylights
- Market Drivers
  - Daylighting
  - Comfort
  - Energy Efficiency
- Prior NFRC Thermal Properties Research
NFRC Landscape Today

- No NFRC Simulation
- Individual Product Testing
  - Market Barrier for New product Configurations and Sizes
- Energy Code Compliance
  - Default Values
  - Punitive Energy Calculations
Modeling is Necessary to Facilitate Product Line Expansion

Research to Support Modeling is Necessary to Support Simulation

NFRC Document Modifications

NFRC 100 Will Require Updating to Reflect Additional Simulation Options

Engagement With US DOE/EERE/BTO and Program Director to Facilitate Necessary Software Modifications for WINDOW/THERM

Assistance with Project Budgeting
NFRC Impacts and Benefits

- Increased Product Offerings
- NFRC Certification Program Growth
- Potential NFRC Membership Growth
- Expanded Presence in Non-Residential Applications
Budget

- Overall Project Estimate is $250-300k
  - Additional Staff and Volunteer Time
  - Other Revenue Support
    - Manufacturers
    - Trade Associations
    - Grants
- Project Would Likely Extend Through 2-3 Budget Years
- Timeline Target is NFRC 2022 Standards Edition
Why Does This Matter?

- Status Quo Fosters a Market Disadvantage
  - Barrier to Market
- Testing Expense Limits Competition and Stifles Innovation
- The Project Will Fulfill Prior NFRC Research Investment
Questions and Discussion

THANK YOU FOR YOUR CONSIDERATION

NFRC
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