

Residential Emerging Technology and Accelerated Commercialization (ETAC)

Advisory Committee Meeting
June 8, 2012
Albany, NY

Residential ETAC Overview

- Component of NYSERDA's Technology & Market Development Program
- Opportunities to increase energy efficiency in the residential sector are limited by the underutilization of technologies and practices that are commercially available, but face barriers to wide scale adoption

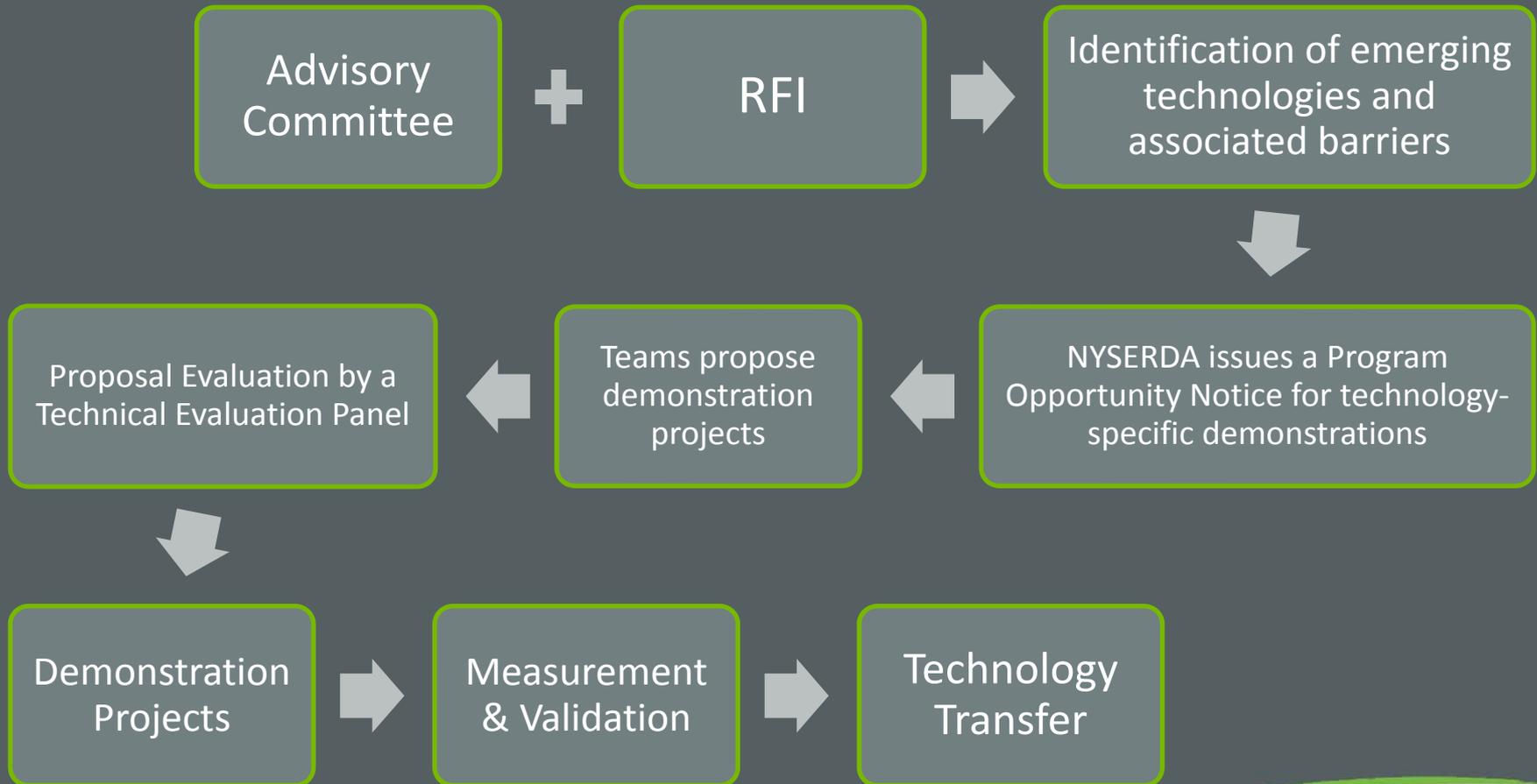
Residential ETAC Overview

- Commercially available, underutilized technologies and products
- Emerging technologies that have been proven
- May need infrastructure development (distribution, sales, training and certifications, awareness)
- Could benefit from widespread, large scale demonstrations

Residential ETAC Components

- Stakeholder input
- Pool of demonstration participants
- Design of initiatives
- Program Opportunity Notice
- Proposal evaluation
- Demonstrations, data collection
- Identification and development of infrastructure initiatives
- Technology transfer

ETAC Process



ETAC Advisory Committee

- Represent the various stakeholders in the residential energy field
- Provide NYSERDA with input and guidance in the development of the initiative
- Advisory Committee activities and discussions will be made public
- Advisory Committee members are eligible to submit proposals for technology demonstrations

Identifying Appropriate Technologies and Practices

- Defining an emerging technology:
 - Commercially available
 - Strategies must be proven
 - Products are tested, licensed, code compliant, exceed minimum standards, performance data available
 - Analysis and M&V of technologies and approaches to better understand performance or reduce barriers
 - Thorough tracking of costs and benefits
 - Include agreement and dedicated resources for knowledge transfer

Identifying Appropriate Technologies and Practices

- Identifying market barriers
- Lighting will be the subject of the first demonstration
- Request for Information to identify technologies to be addressed beyond 2012

Demonstrations

- Install or implement technology at demonstration sites, collect data
 - Costs, energy and non-energy benefits, logistics, operations
 - Lessons learned
- Identification and development of infrastructure initiatives
 - Training needs, certification needs, supply and distribution development, operations and maintenance
 - Supported by other NYSERDA programs
- Opportunities announced through technology-specific Program Opportunity Notice (PON) annually or bi-annually

Demonstration PONs

- Criteria for proposals:
 - Proposals should be a “team” effort
 - To the extent possible, the proposal should reflect a comprehensive approach
 - Identify all team members and provide qualifications
 - Identify market barriers or infrastructure deficiencies
 - Include demonstration sites
 - Include plans for evaluating/measuring impact
 - Include strategies for technology transfer
 - Include cost-sharing

Demonstration PONs

- Qualifications for Proposers:
 - Builders and contractors that are part of the proposing team must be a current NYSERDA partner in good standing in the program
- Review and Evaluation of PONs
 - Scoring based on:
 - Comprehensiveness of project
 - Total cost
 - Cost effectiveness
 - Statewide impact
 - Whether the plan addresses market barriers or infrastructure deficiencies
 - Tech transfer plan

Demonstration Results

- Measurement and validation
- Technology transfer supported by demonstration participants, led by NYSERDA staff
 - Case studies
 - Press events, press releases, articles,
 - Presentations at seminars and training conferences (ACI)
 - Web sites
 - Stakeholder group

Wrap Up

- Next Meeting