

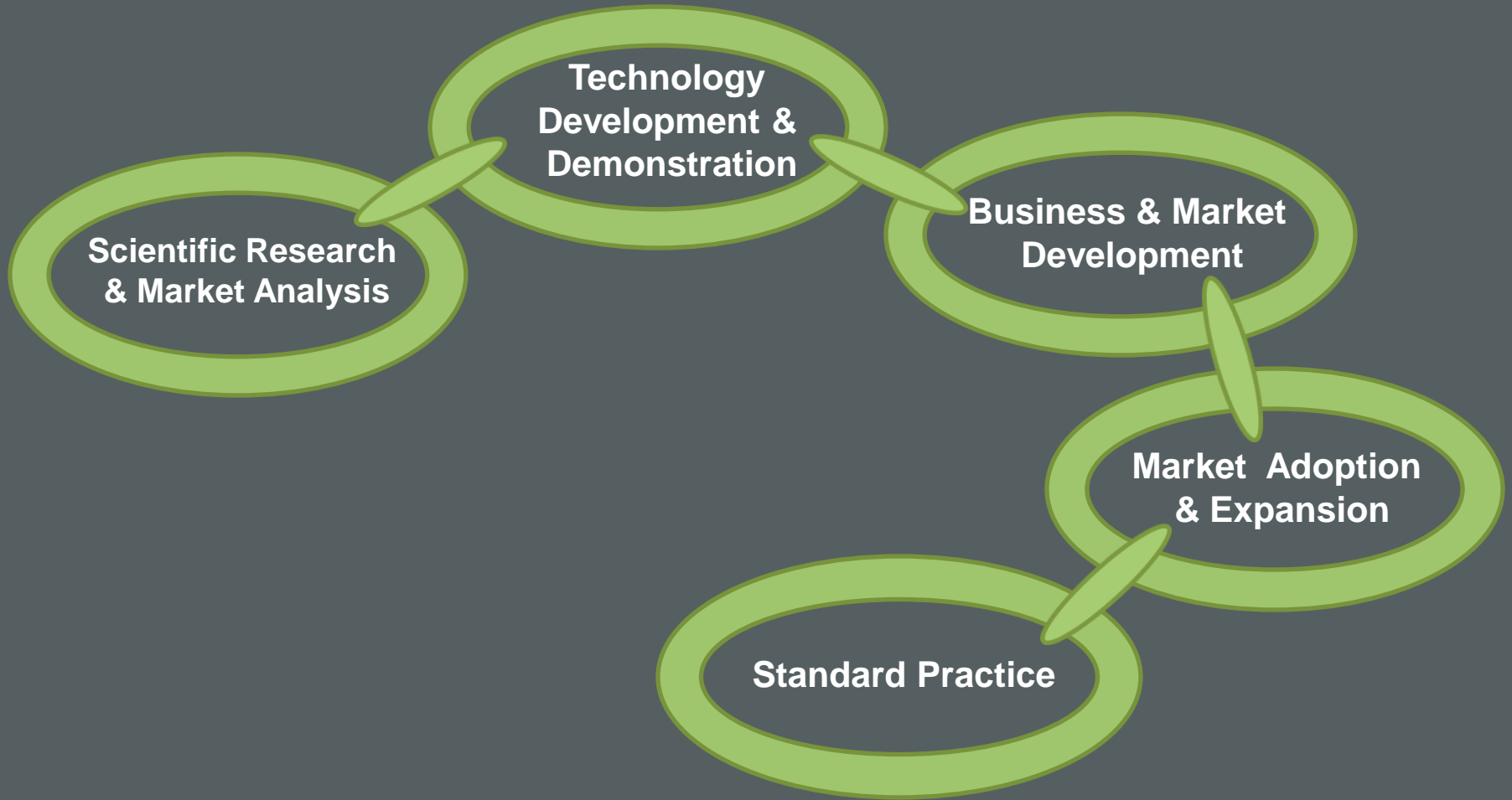
New Efficiency Plans & Strategies to get to 2015

AESP-NEEC Annual Conference

November 1, 2011

Sarah J. Osgood
Program Manager for Policy & Program Development
nyserdera.ny.gov

Energy Innovation Chain



Energy Efficiency Portfolio Standard

- 15% reduction in electricity use (11.2 million MWh) by 2015
- 14.7% reduction in estimated gas use (44.04 Bcf annually) by 2020
- EEPS I (2009 – 2011)
 - Total: \$253 million for gas, \$762 million for electric
 - NYSERDA: \$112 million for gas, \$394.6 million for electric
- EEPS II (2012 – 2015)
 - Total: \$634 million for gas, \$1,502 million for electric
 - NYSERDA: \$380 million for gas, \$767 million for electric

EEPS Program Portfolio

Commercial & Industrial Programs

- High Performance New Buildings (New Construction)
- Technical Assistance (Flex Tech)
- Industrial and Process Efficiency
- Existing Facilities
- Benchmarking and Operations Efficiency
- Agriculture Energy Efficiency

Residential & Multifamily Programs

- Home Performance with Energy Star
- Energy Star Homes
- Multifamily Building Performance
- EmPower

Energy Efficiency Approaches

Market Transformation Strategies

- Building the Supply Chain and Educating Consumers
- Accelerated Introduction of Emerging Technologies and Strategies
- Advancing Innovative Financing Strategies

Energy Efficiency Approaches (cont'd)

Commercial/Industrial Strategies

- Integrate Market Transformation strategies with NYSERDA R&D efforts – “Accelerated Commercialization”
- Involve stakeholders to identify and rank emerging and underused technologies and systems
- Customize accelerated commercialization paths for promising technologies and services
- Facilitate consistent knowledge transfer to the market through high-profile reference cases and workforce training
- Support accelerated commercialization for products that can achieve market success without financial incentives
- Identify technology and services appropriate for traditional incentive strategies

Energy Efficiency Approaches (cont'd)

Residential Program Priorities

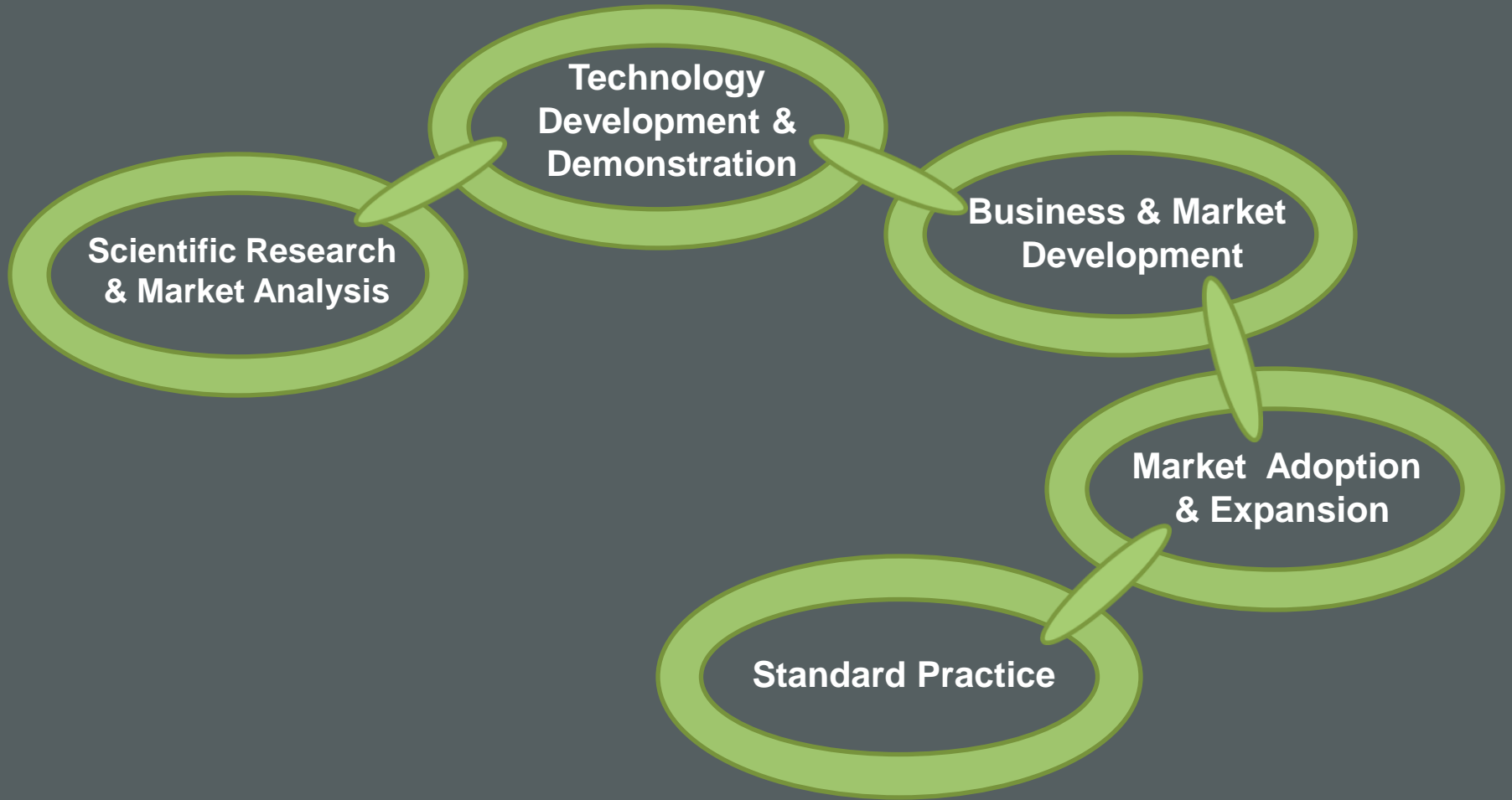
- Whole building services
- Shifting consumer behavior and attitudes through education and consumer awareness
- Accelerating adoption of emerging and underused technologies and practices through wide-scale demonstrations
- Integrating renewable energy into core programs
- Advancing residential financing to increase the reach and impact of programs
- Improving building performance and customer satisfaction by increasing emphasis on quality assurance

Energy Efficiency Approaches (cont'd)

Multifamily Program Priorities

- Demonstrate the feasibility of deep energy retrofits (savings greater than 65 percent of building usage)
- Continue to focus awareness on building operations and performance
- Better coordinate with other Program Administrators to minimize market confusion
- Target new audiences with little or no experience in energy efficiency to expand the reach of the programs
- Expand into new market sectors, like mixed use buildings, to increase the markets exposed to energy efficiency

Energy Innovation Chain



Technology & Market Dev. Program

Proposed Objectives

- Prove out emerging energy efficiency, renewable, and smart grid technologies/strategies and accelerate market readiness in NY
- Move new/under-utilized technologies and services into marketplace to help achieve EEPS & RPS goals
- Stimulate technology and business innovation to provide more clean energy options and lower cost solutions, while growing NY's clean energy economy
- Spur actions and investments to achieve results distinct from incentive-based programs

Beyond 2015

State Energy Plan

- March 2013 release
- 10-year planning horizon
- Includes a potential study: efficiency and renewables
 - Technical, Economic, and Achievable Potential
 - End-Use Efficiency for Electricity, Natural Gas, and Petroleum
 - Customer-Sited and Large-Scale Renewable Resources
 - Residential, Commercial, Industrial Sectors