



## NEW YORK LEADERSHIP

BOB CALLENDER  
VICE PRESIDENT FOR PROGRAMS  
NYSERDA



August 8-11, 2004

[www.energy2004.ee.doe.gov](http://www.energy2004.ee.doe.gov)



## NYSERDA Overview

Established in 1975 by Statute

Mission: Use innovation and technology to solve NY's energy challenges in ways that benefit the State's economy and environment

Forge partnerships with energy stakeholders



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## Building New York's Energy Infrastructure

RESEARCH

**DEVELOPMENT**

DEMONSTRATION

**DEPLOYMENT**

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## NYSERDA Responsibilities

- Research & Development
- Energy Planning and Analysis
- Coordination of State's Energy Issues
- Manage West Valley Nuclear Clean-up
- Public Awareness of Energy Efficiency
- Saratoga Technology + Energy Park
- System Benefits Charge Administrator

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## SBC Order's Public Policy Goals

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- **Improve system-wide reliability and increase peak electricity reductions**
- **Improve energy efficiency and access to energy options**
- **Reduce the environmental impacts of energy production and use**
- **Facilitate competition in the electricity markets**

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## Objectives to Achieve Policy Goals

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- **Reduce peak electricity demand**
- **Improve energy efficiency in all sectors**
- **Save money for consumers, businesses, and institutions**
- **Reduce environmental impacts**
- **Foster long-term market changes to sustain and grow benefits**
- **Develop next generation efficient end-use technologies**

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## Initiatives to Build Infrastructure

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- FINANCIAL INCENTIVES
- TECHNICIAN TRAINING
- OUTREACH & EDUCATION
- RESOURCE DEVELOPMENT
- TECHNICAL ASSISTANCE
- GREEN MARKETING

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## Four Major Program Areas

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- Business and Institutional Energy Efficiency
- Residential Energy Affordability
- Low-Income Energy Affordability
- Research and Development

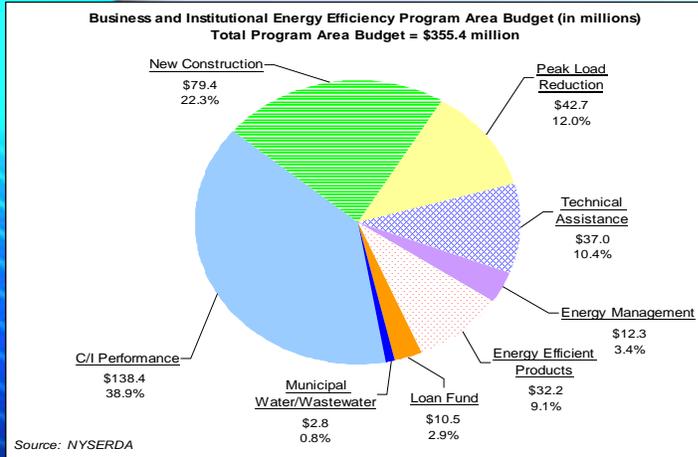
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## Business and Institutional Energy Efficiency



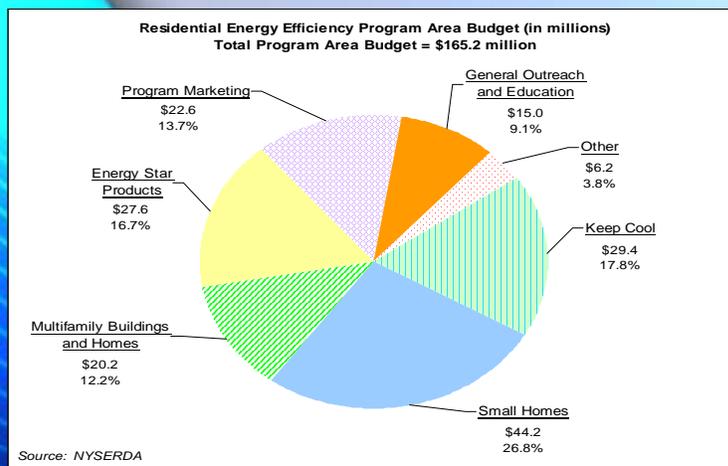
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## Residential Energy Affordability



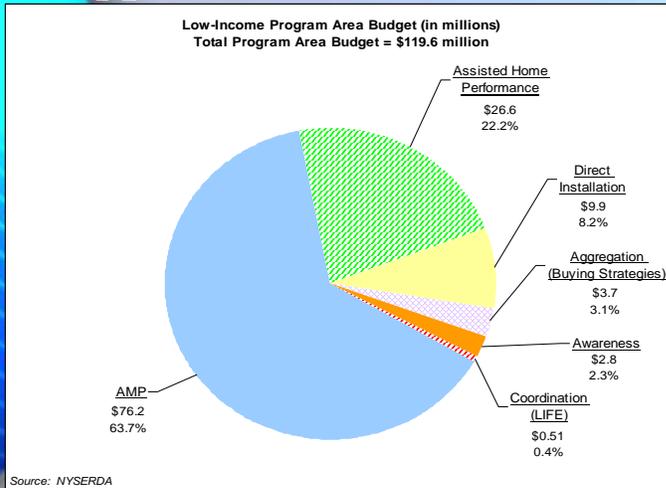
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## Low-Income Energy Affordability

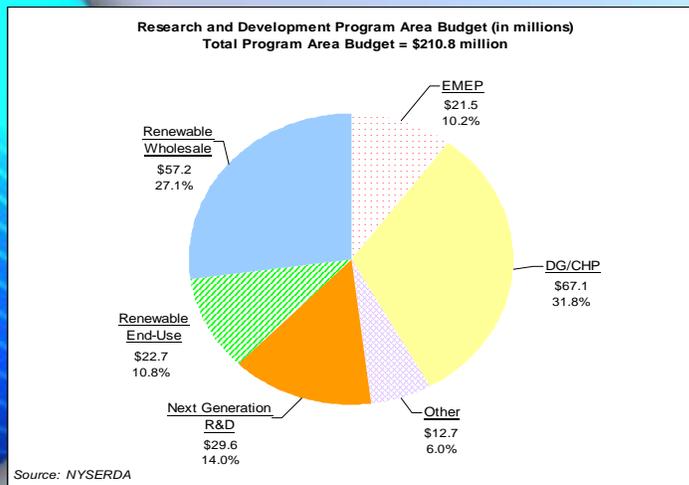


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## Research and Development



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## Major Program Accomplishments

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- **Produced \$140 million a year in energy bill reductions**
- **Reduced air pollution by: 1,000 tons of Nox, 1,750 tons of SO<sub>2</sub>, and 800,000 tons of CO<sub>2</sub>**
- **Leveraged \$3 of private project investment for every \$1 of SBC**
- **4,500 jobs created/retained**

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## Major Program Accomplishments

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- **Reduced annual statewide electric energy requirements by 1,000 Gwh**
- **Peak Demand Reductions of 870 MW permanent/ callable**
- **Enhanced electric system reliability with 103 Gwh of renewable resources**

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## Program Evaluation Efforts

- Efforts in accordance with NYSERDA/PSC Memorandum of Understanding
- SBC Advisory Group is Independent Program Evaluator



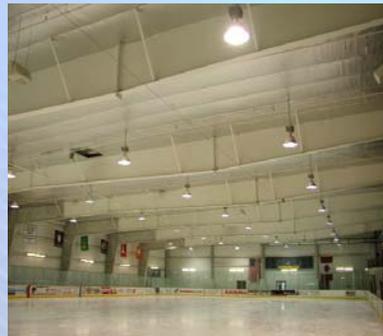
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## Town of Amherst (CIPP)

- Project Cost - \$7 million
- 11 million kWh/yr savings
- \$1.1 million NYSERDA incentive
- Cost Savings - \$875,000 annually
- ESCO - Siemens Building Technologies



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