



NEW YORK LEADERSHIP

BOB CALLENDER
VICE PRESIDENT FOR PROGRAMS
NYSERDA

NYSERDA

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August 8-11, 2004

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

The NYSERDA logo, consisting of the word 'NYSERDA' in a bold, white, sans-serif font, with a large, stylized yellow swoosh or underline that loops around the bottom right of the text.

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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

- **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

- **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

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

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Four Major Program Areas

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

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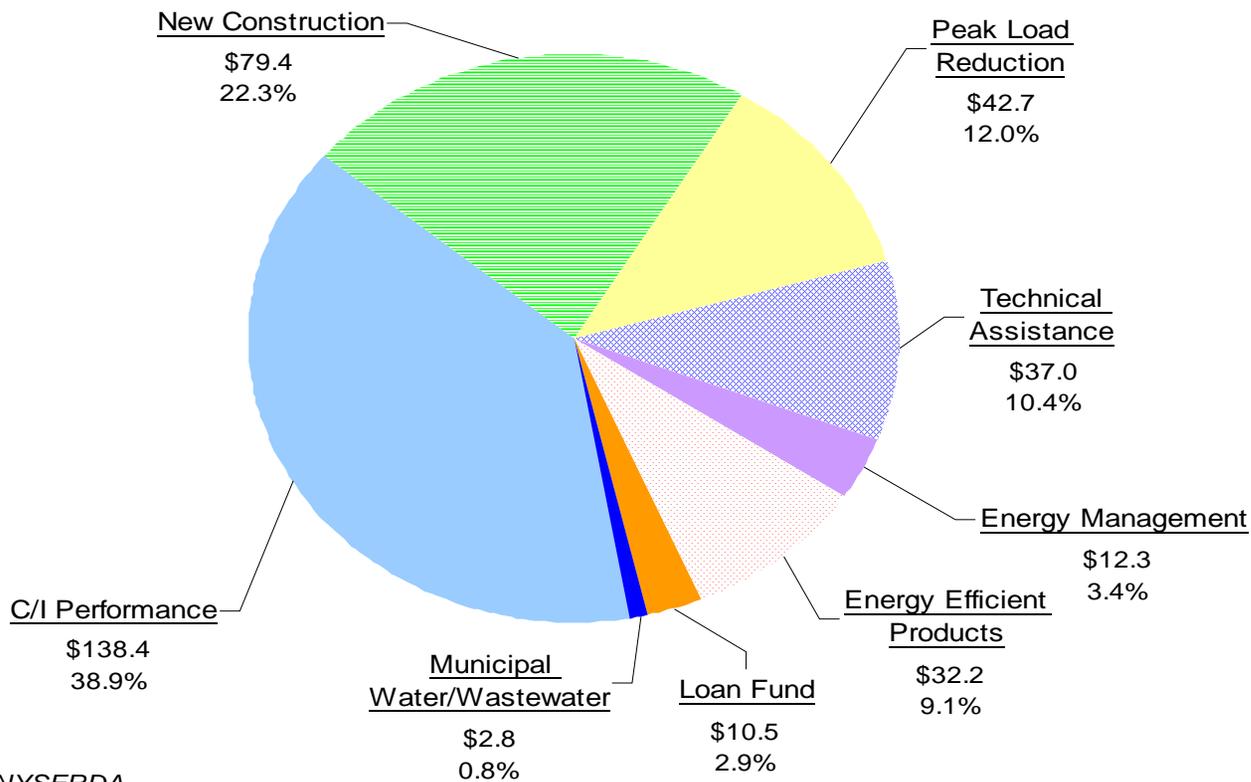
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Business and Institutional Energy Efficiency

Business and Institutional Energy Efficiency Program Area Budget (in millions)
Total Program Area Budget = \$355.4 million



Source: NYSERDA

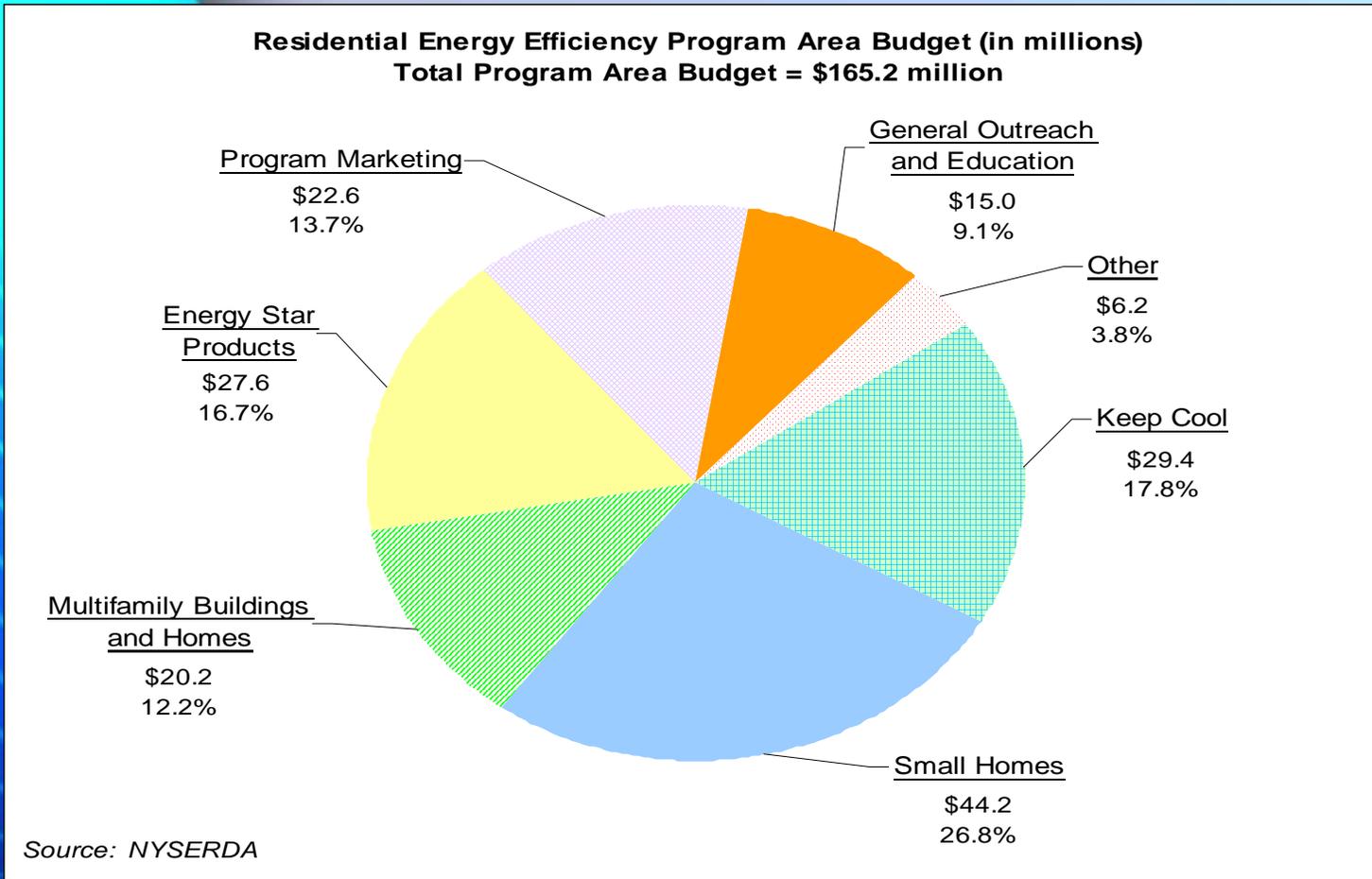
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Residential Energy Affordability



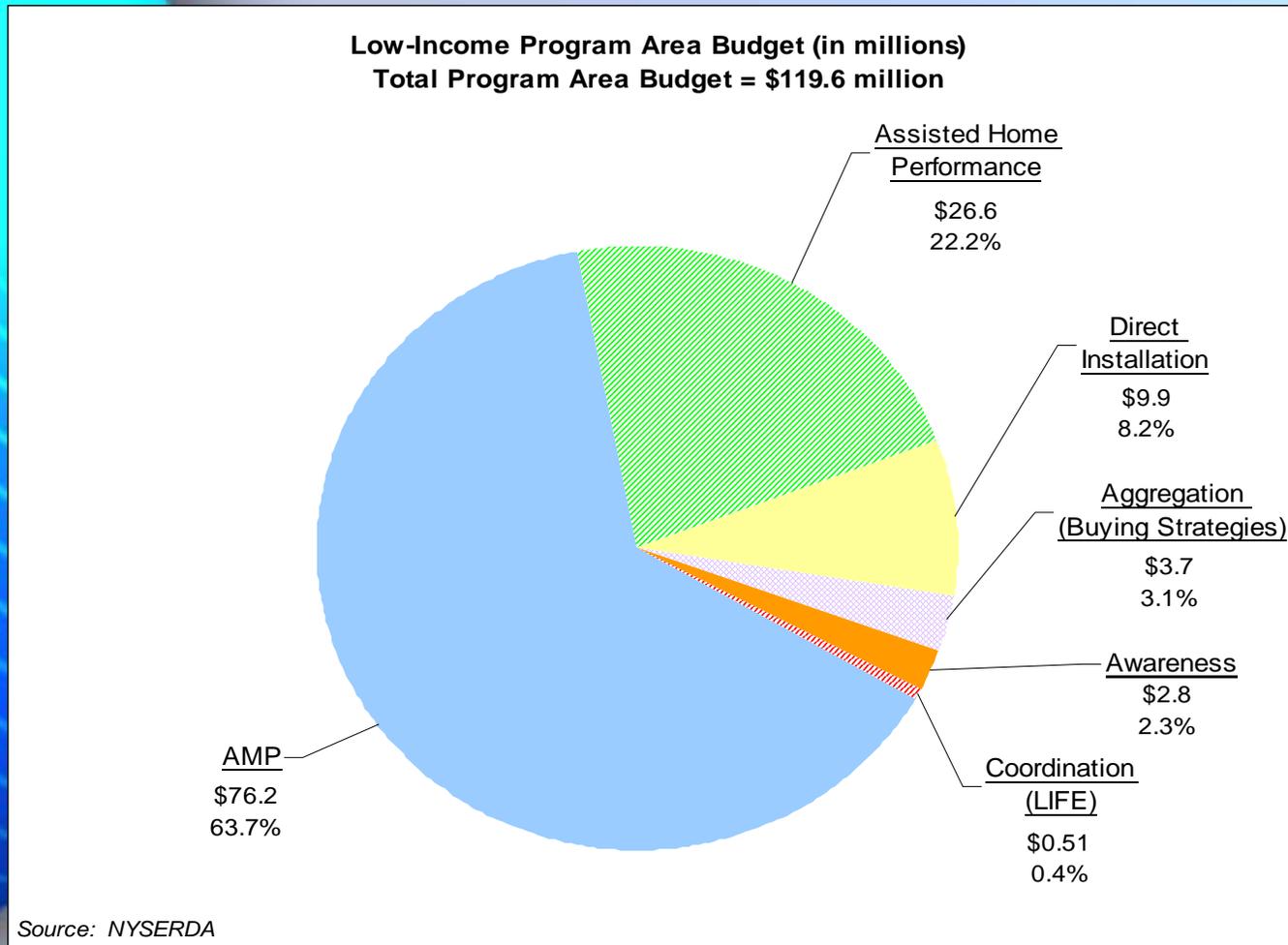
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Low-Income Energy Affordability



Source: NYSERDA

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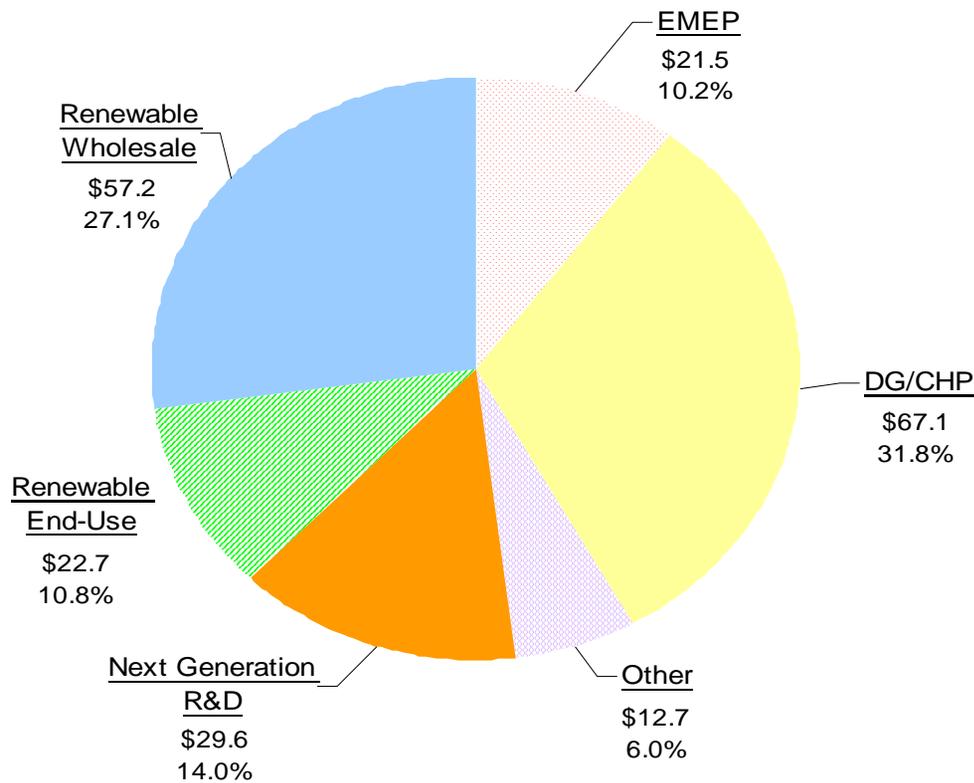
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Research and Development

Research and Development Program Area Budget (in millions)
Total Program Area Budget = \$210.8 million



Source: NYSERDA

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RDA



Major Program Accomplishments

- **Produced \$140 million a year in energy bill reductions**
- **Reduced air pollution by: 1,000 tons of Nox, 1,750 tons of SO₂, and 800,000 tons of CO₂**
- **Leveraged \$3 of private project investment for every \$1 of SBC**
- **4,500 jobs created/retained**

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Major Program Accomplishments

- **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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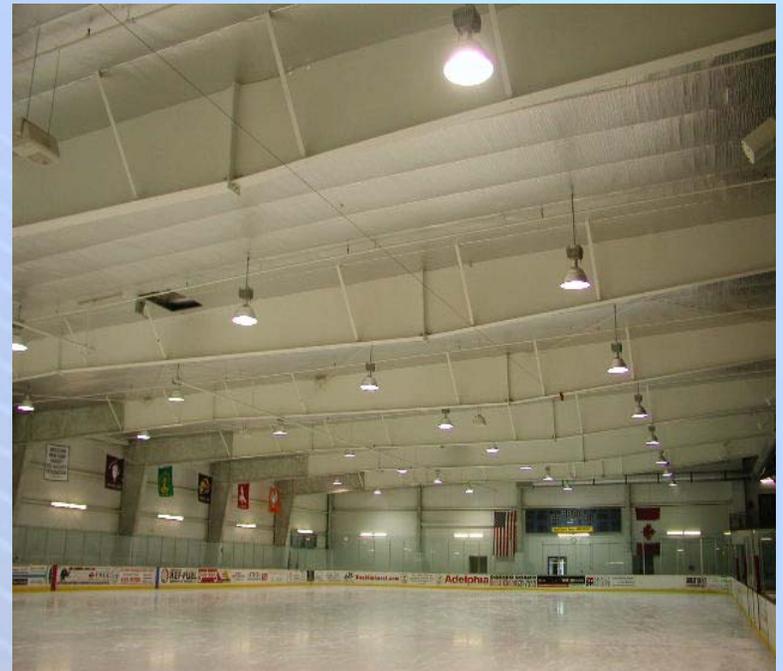
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Town of Amherst (CIPP)

- **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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