

ALBANY, NY

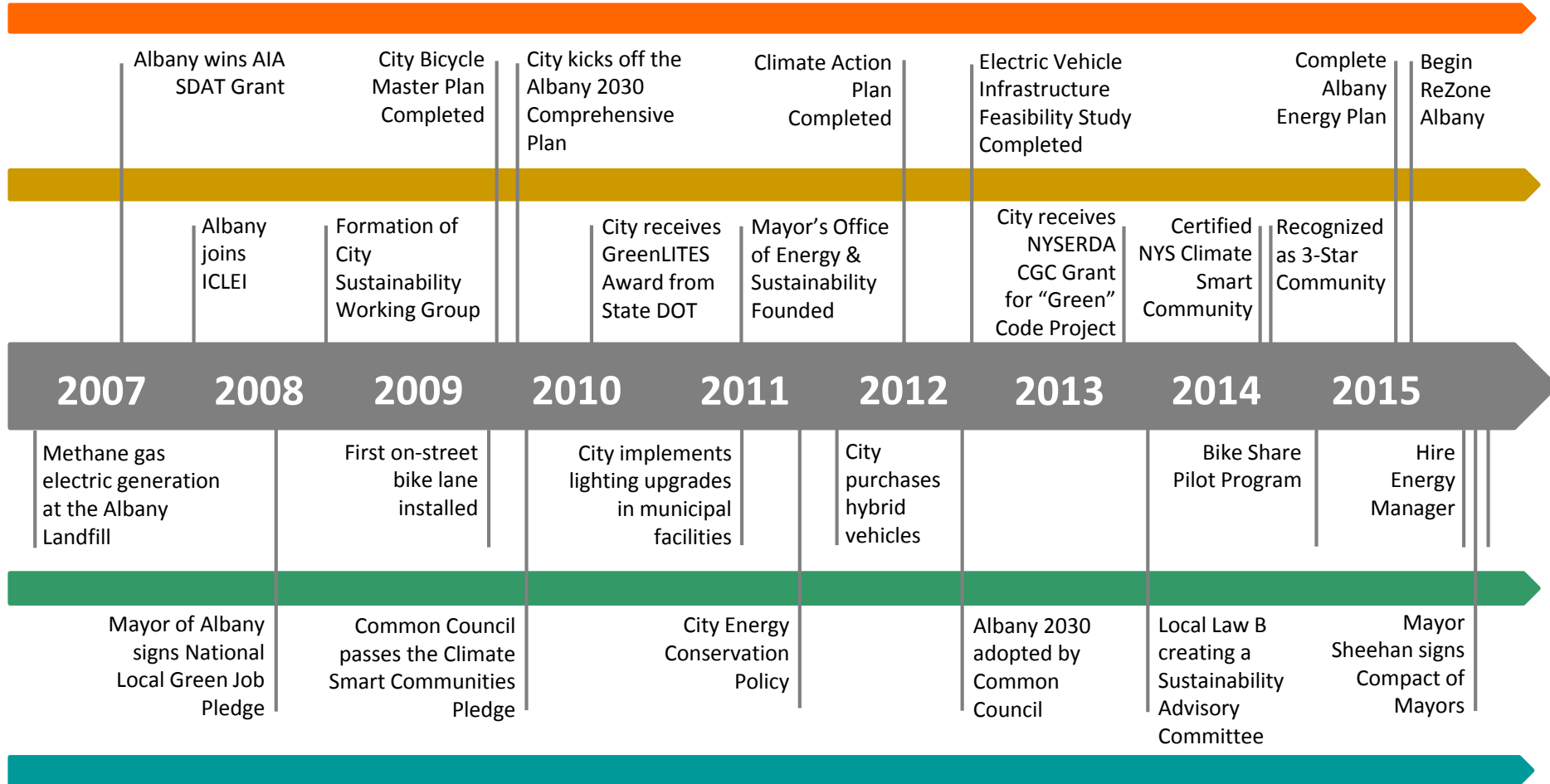
On the Road to Energy Excellence



BuildingEnergy NYC 15

October 15, 2015

ALBANY SUSTAINABILITY TIMELINE

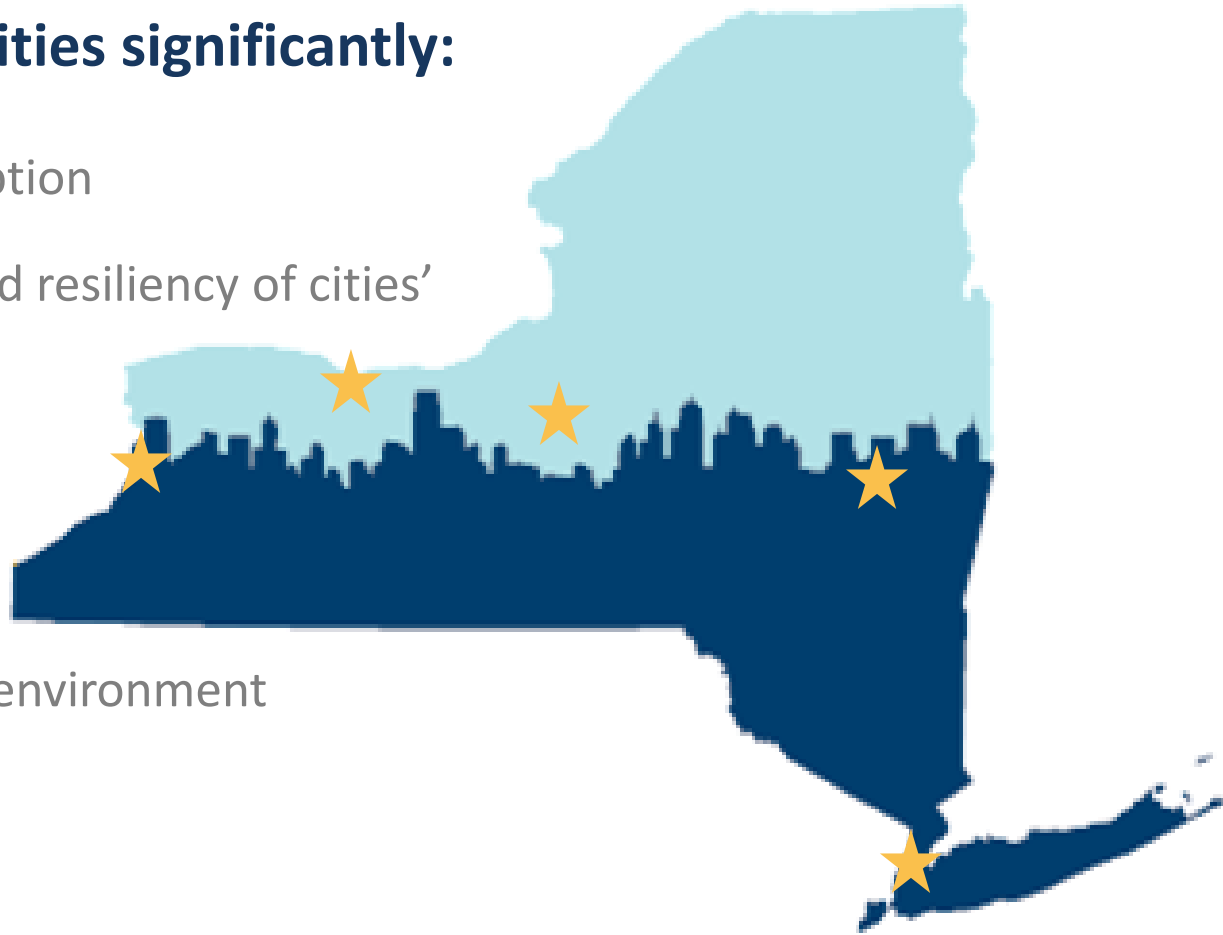


Five Cities Energy Plans

Albany ■ Buffalo ■ Rochester ■ Syracuse ■ Yonkers

Intended to help the cities significantly:

- Reduce energy consumption
- Strengthen reliability and resiliency of cities' energy infrastructure
- Catalyze clean energy investment and economic development
- Contribute to a cleaner environment
- Enhance quality of life



Five Cities Energy Plans

Albany ■ Buffalo ■ Rochester ■ Syracuse ■ Yonkers

ACTION AREAS & CROSS-CUTTING THEMES



Energy Planning
& Coordination

Energy
Efficiency in
Buildings

Transportation
Efficiency

Energy
Distribution &
Supply

Cross-Cutting Themes



Municipal: cities leading by example



Economic Development: creating jobs and attracting businesses



Infrastructure: preparing our cities for the future



Climate Action: reducing the city's carbon footprint

Data and Stakeholder-Driven Planning Process

- Data Collection and baseline assessment
- Benchmarking of energy performance of all municipal buildings over 10,000 sq ft
- Comprehensive Energy Audits of municipal buildings with highest energy consumption
- Stakeholder meetings - key institutions, community and environmental groups, local development corporations, utilities, and real estate sector
- Recommendations and prioritization

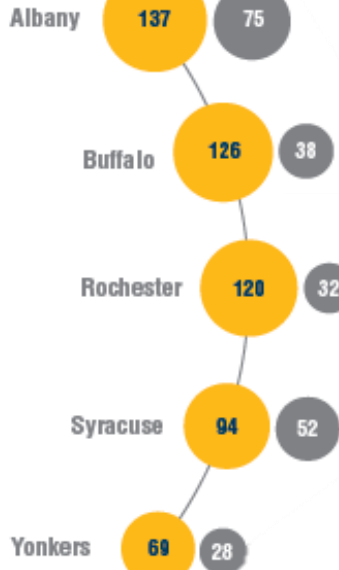
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BASELINE ASSESSMENT STATISTICS

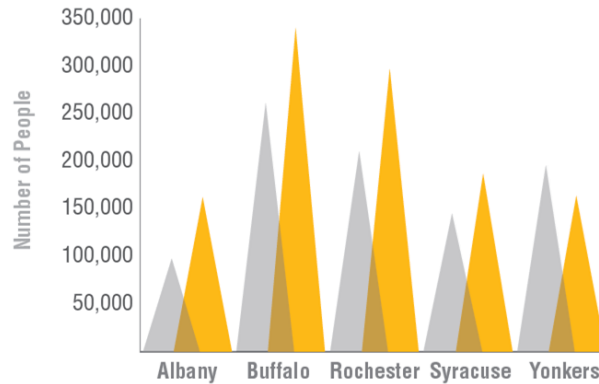
Energy Consumption per Capita (mmBtu)

■ Building Related
■ Transportation Related



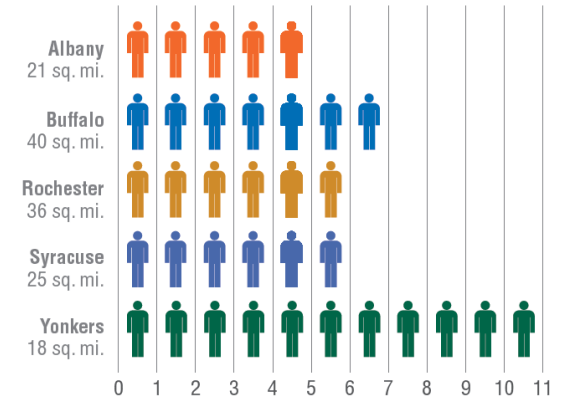
Population

■ Daytime Population
■ Resident Population



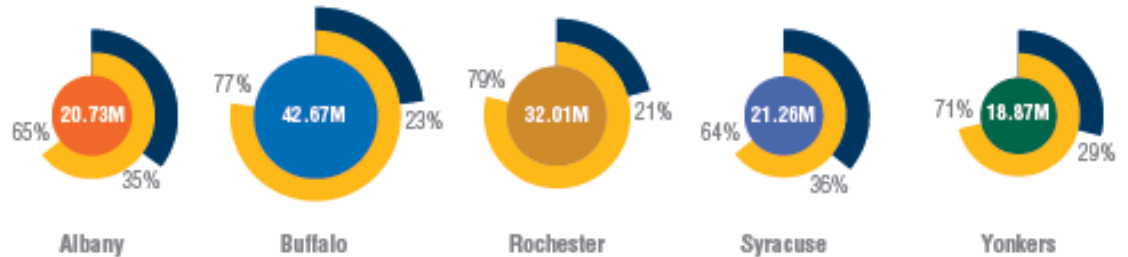
Density of City Residents

One Person = 1,000 Residents per Square Mile



Overall Energy Consumption (mmBtu)

■ Transportation
■ Buildings



ALBANY ENERGY PLAN GOALS



Energy Planning & Coordination – Secure Albany’s energy needs through cost-effective policies, integrative planning and strategies that emphasize clean and efficient technologies



Energy Efficiency in Buildings – Promote building efficiency throughout all sectors of the community, including municipal buildings



Transportation Energy Efficiency – Reduce fossil fuel consumption in the transportation sector



Energy Distribution & Supply – Increase grid efficiency and energy security while decreasing reliance on fossil fuels

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*Reduce energy use in municipal operations 20% by 2020

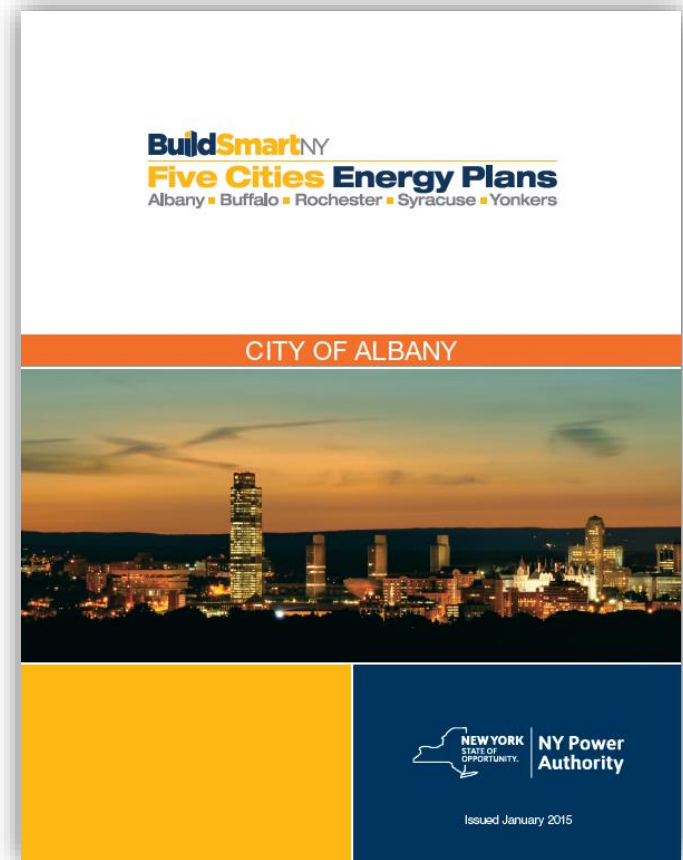
*Reduce energy use 20% citywide by 2030

ALBANY ENERGY PLAN IMPLEMENTATION

- Funding Sources:
 - Utility and NYSERDA Incentives
 - NYPA Formula Grant
 - City of Albany

- Hiring of Energy Manager

- Initial Projects
 - Streetlights
 - Municipal facilities



ALBANY ENERGY PLAN IMPLEMENTATION



Initial Projects:

- Energy audits of key buildings
 - Feasibility analysis of ASHRAE Level 1 audits
 - Determine most cost-effective projects
- LED Street Light Conversion for City-owned streetlights
 - Approximately 100 lights
- City-wide lighting upgrades
 - National Grid Small Business Program
 - Covers up to 60% of cost

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