

The NYSERDA Retro-commissioning Initiative

BCxA Northeast RCx Summit

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NYSERDA



NYSERDA's RCx Pilot Initiative

⊕ Initiative Goals:

- ⊕ Provide evidence that RCx works
- ⊕ Develop a stream-lined procedure for taking buildings through an RCx process
- ⊕ Develop network of qualified providers
- ⊕ Transform the market so RCx becomes standard practice

History of the RCx Initiative

- ✦ In 2000, NYSERDA funded the American Council for an Energy Efficient Economy (ACEEE), along with PECEI, to launch an initial education and outreach project
- ✦ In 2002, in response to NYSERDA's "Innovative Opportunities" PON, ACEEE proposed the RCx Initiative, with a focus on existing buildings and a more focused NY outreach component

Principal Objectives of RCx Pilot

- ✦ Build Building Owner/Manager Awareness of RCx as an Energy Cost Savings Opportunity
- ✦ Build RCx provider capacity to deliver services when owner/manager demand grows

RCx Pilot Components

- ⊕ Training/Provider Development
 - ⊕ One Day Orientation to RCx
 - ⊕ Advanced, Multi-day Hands On Training
- ⊕ Outreach to Building Owner/Managers
- ⊕ Scoping Study Incentives

RCx Scoping Incentives

- ◆ Through PON 852 & PON 933, NYSERDA offered “RCx Scoping Incentives” to Qualified Providers for specific projects
- ◆ Providers must demonstrate minimum qualifications to become eligible
- ◆ \$3,000 Incentive for Review of RCx Opportunities in Specific Buildings, with certain requirements
- ◆ Intended to stimulate projects, and owner and provider interest

NYSERDA's RCx Process:

- ⊕ Screening
- ⊕ Scoping Study
- ⊕ Technical Assistance Program
- Application
- ⊕ RCx Investigation Takes Place
- ⊕ Implementation of Recommendations

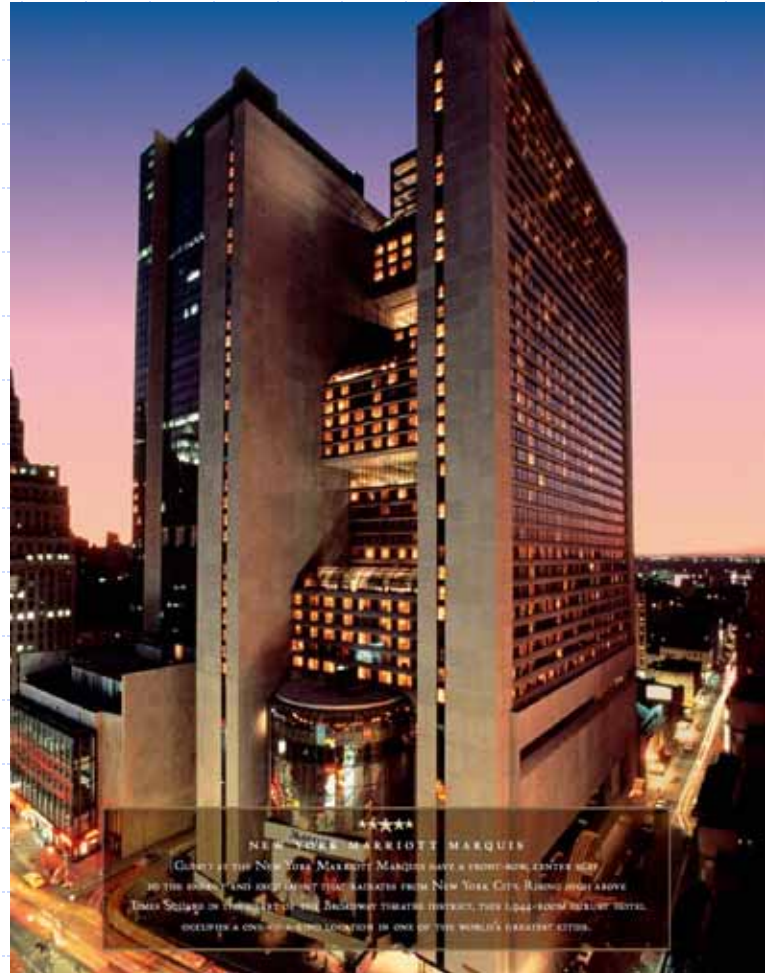
Results of Scoping Process

- ◆ 23 Qualified Provider Firms Currently on List
- ◆ 19 Projects Submitted, for buildings ranging from 100,000 sq.ft. to 2.5 million sq.ft.; average building ~650,000 sq.ft.
- ◆ 5 Projects Submitted to TA for full RCx Investigation; Significant energy savings and demand reduction
- ◆ Significant savings opportunities found in all buildings

NYC vs Upstate Buildings

	Average Building Size (sq. ft.)	Average kWh/sf	Average Energy \$/sf	Average Energy Star Score
NYC Projects	948,486	21.38	\$ 3.67	56.80
Upstate Projects	214,583	19.13	\$ 1.98	66.00
All Projects	648,253	20.46		62.46

Some NY Buildings Investigating RCx



Some NY Buildings Investigating RCx



Two Case Studies in Detail...



Questions?

✦ Pilot now winding down; for more
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