

CITY OF NEW YORK: LEADING BY EXAMPLE

**ARIELLA MARON
DEPUTY COMMISSIONER,
ENERGY MANAGEMENT
NYC DCAS**



A GREENER, GREATER NEW YORK



The City of New York
Mayor Michael R. Bloomberg

Land

- 1** Create enough housing for our growing population
- 2** Ensure all New Yorkers have parks within a 10-minute walk
- 3** Clean up all contaminated land in New York City

Water

- 4** Develop water network back-up systems
- 5** Open 90% of our waterways and protect natural areas

Transport

- 6** Improve travel times by adding transit capacity for millions
- 7** Achieve "State Of Good Repair" on our transportation system

Energy

- 8** Upgrade energy infrastructure to provide clean energy

Air

- 9** Achieve the cleanest air of any big city in America

Climate Change

- 10** Reduce global warming emissions by 30%

City has various implementation tools

- Incentives
- Regulatory authority
[zoning, building codes, legislation]
- Outreach, advocacy, partnerships
[Research/pilots, education, guidance]
- Leading by example
[exec orders, purchases, accountability]

Lead by Example



Energy Conservation Steering Committee

Long-Term Plan to Reduce Energy Consumption and Greenhouse Gas Emissions of Municipal Buildings and Operations



July 2008

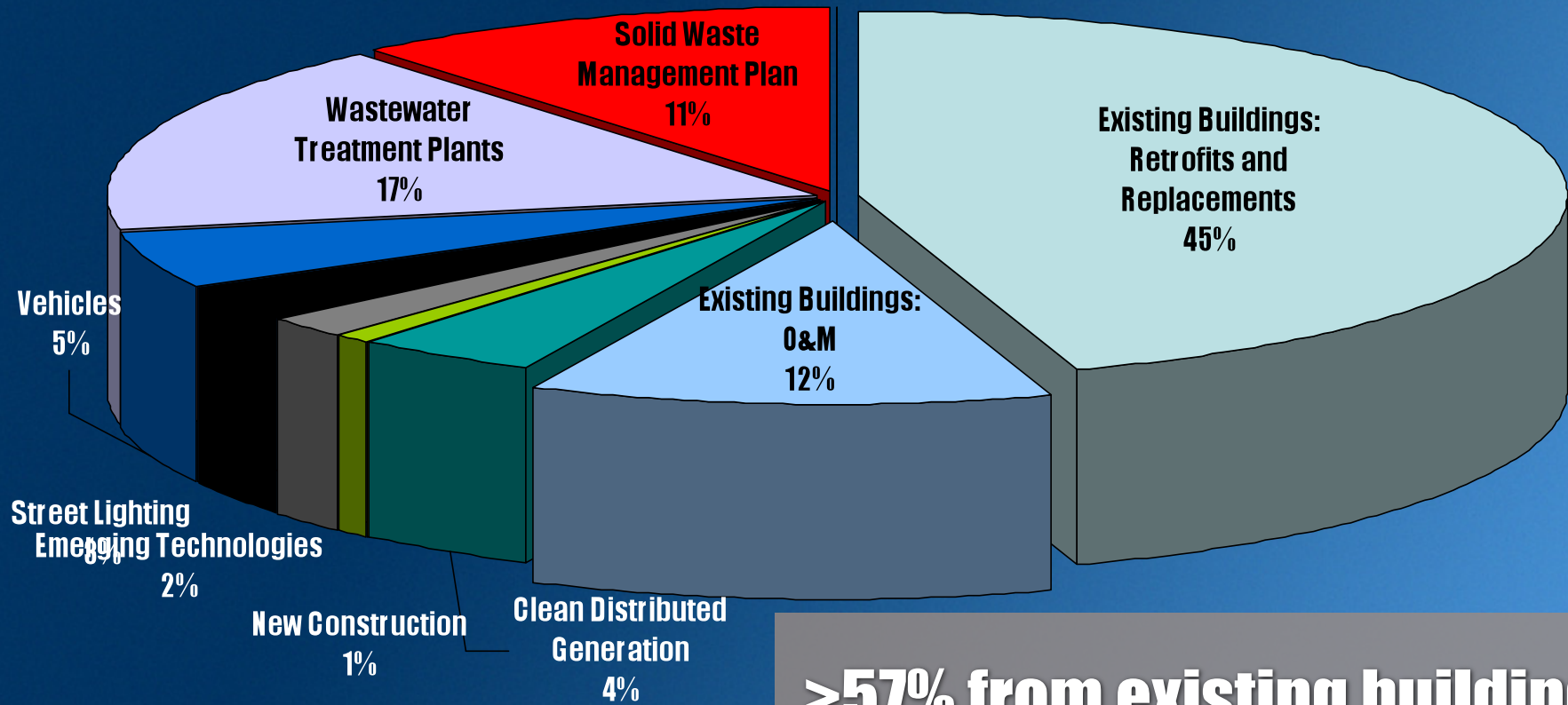
NYC Government Stats

To serve 8.4 million New Yorkers requires

- >300,000 employees
- 4,000 buildings
- Peak demand 1100 MW
- ~\$900 million in energy costs
- 19,324 miles of streets
- 14 in-city wastewater treatment plants

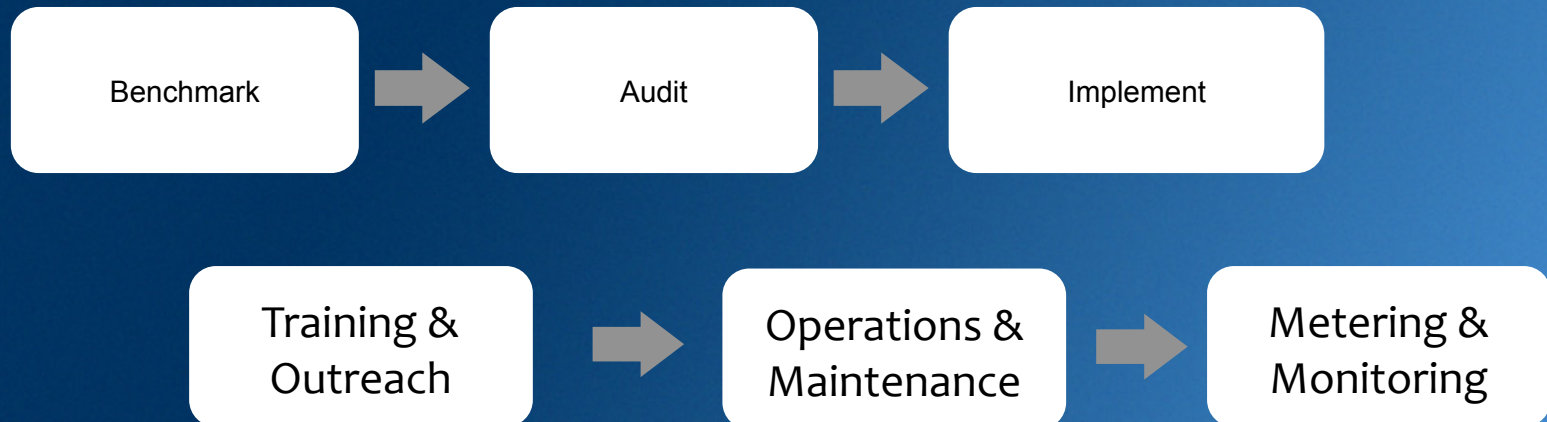
• **64% OF GHG
EMISSIONS FROM
EXISTING
BUILDINGS**

30% by 17 : 1.68 million mt annual reduction



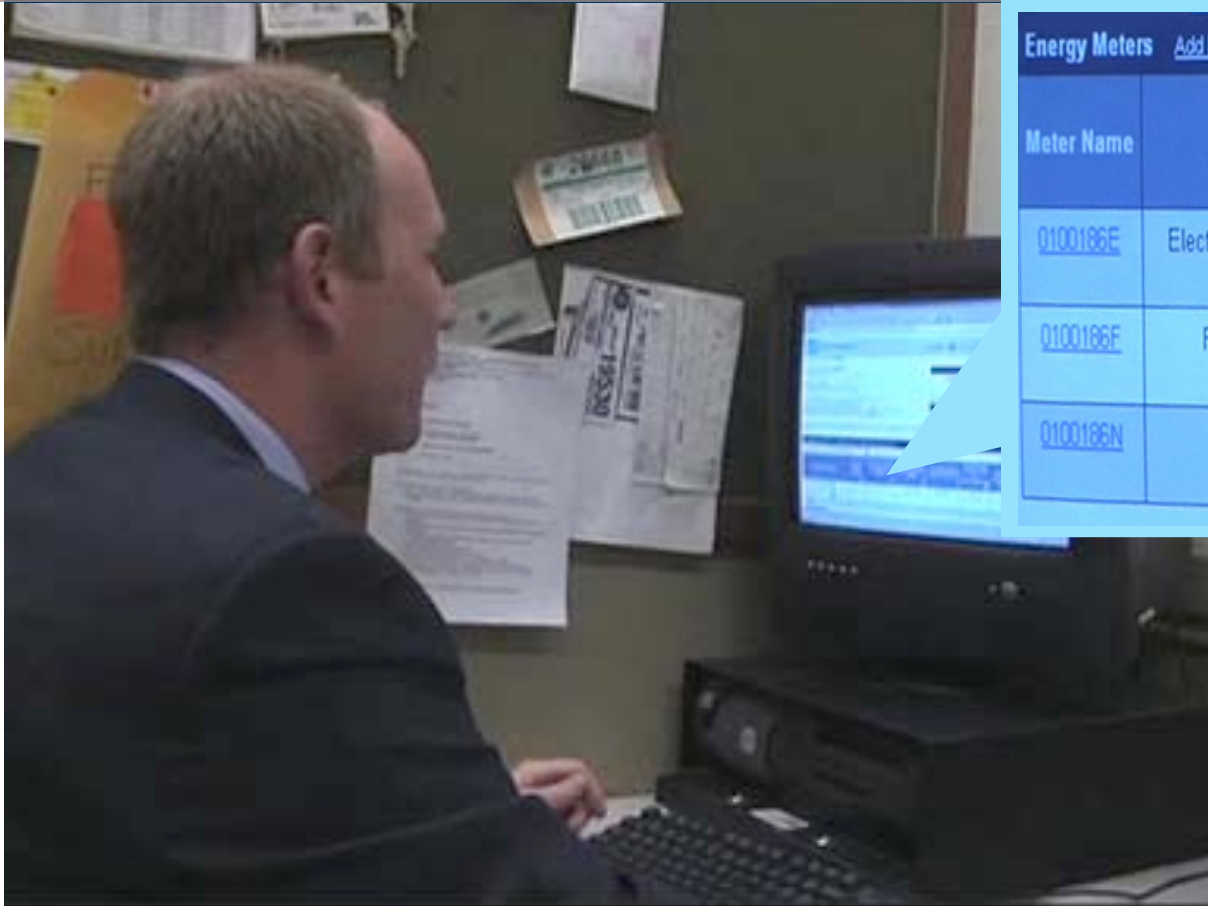
>57% from existing buildings

Data driven approach to identify & prioritize projects



and to monitor performance

BENCHMARKING



Energy Meters [Add Meter](#) | [Update Multiple Meters](#) | [View All Meter Data in Excel](#)

Meter Name	Energy Type	Space(s)	Last Meter Entry (End Date)
0100186E	Electricity - Grid Purchase (kWh (thousand Watt-hours))	Entire Facility	06/30/2009
0100186F	Fuel Oil (No. 5 and No. 6) (Gallons)	Entire Facility	06/30/2009
0100186N	Natural Gas (therms)	Entire Facility	06/30/2009

AUDITS AND RETROFITS/RETRO-X

A man in a dark suit, white shirt, and glasses is crouching in a utility room. He is holding a clipboard and a pen, appearing to be conducting an inspection or audit. The room contains industrial equipment, including a large red pump or motor on a concrete base, a white vertical pipe, and a blue valve. A metal ladder is visible in the background.

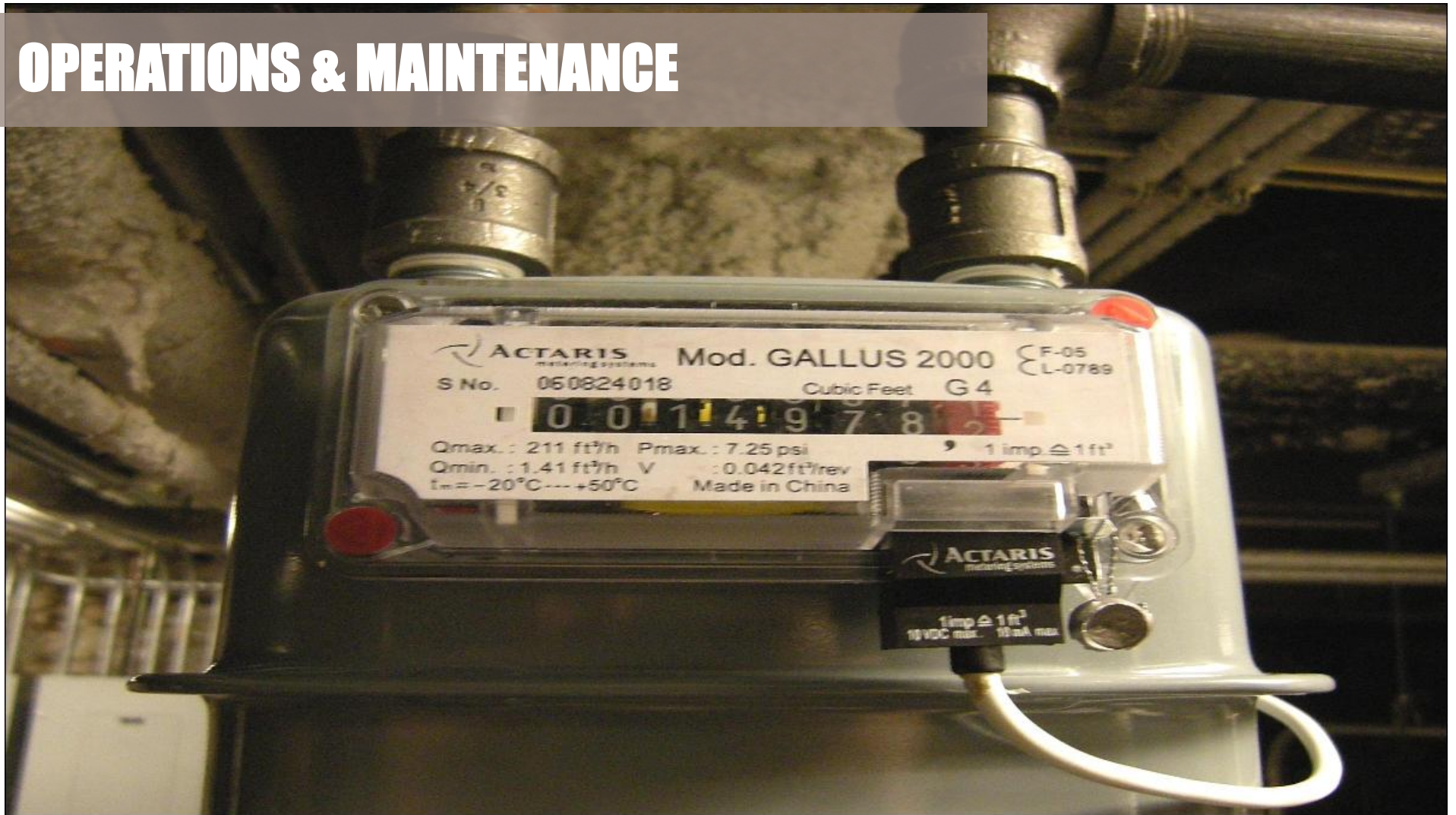
COMPLETED PROJECTS

- ENERGY SAVINGS: \$2 million
- GHG REDUCTIONS: 7,500 mt

IN THE PIPELINE

- ENERGY SAVINGS: \$20 million
- GHG REDUCTIONS: 85,200 mt

OPERATIONS & MAINTENANCE



CLEAN DG: COGEN & RENEWABLES



TRAINING & OUTREACH

