

# Chicago Housing Authority

August 2010

## Presentation Outline to EEPS Legislation

### The CHA

- Largest landlord in Chicago
- 17,000 units of low-income family, senior and scattered site housing
- Annual electric cost (2009): \$3,803,326
- Annual electric use – all purposes (2009): 49,076,802 kWhrs (avg. kWhr cost: \$0.0775)
- 12,500 units receive retail utility service through ComEd
- 4,500 units receive master-metered service through CHA-owned distribution systems

### CHA Energy Efficiency Overview

#### **Energy Performance Contracting (EPC):**

- Primary CHA investment vehicle, HUD incentive
- Completing 5<sup>th</sup> phase of EPC since 1997
- Approximately \$70 million invested in EPC over all phases (most by any PHA)
- Average phase/project payback is 15 years
- Total annual avoided emissions (phases 1-4): 22,105 metric tons

#### **Other:**

- Largest recipient of ARRA competitive grants for energy-efficiency related projects at \$66 million (11% of total awarded nationally)
- Recently changed out 130,000 incandescent bulbs to CFL-type at family and scattered site locations using DCEO and City incentive opportunities
- Average per-unit energy use reduced by 55% from 1990 levels
- First PHA to utilize HUD “Wellhead Gas Purchase Incentive” (1989)
- Actively exploring use of geothermal and wind power resources
- Will complete “Green Assessment” audits of all developments by February 2011

#### **Electric Incentives CHA would like to see:**

1. High incentives to replace existing incandescent lighting fixtures (CHA needs about 70,000) located in family housing units which typically see high utilization
2. Would like to qualify A/C improvement according to improved SEER and COP over existing, not just tonnage reductions
3. Continue funding of refrigerator replacement incentives
4. Promote smart metering and utilization of CHA generating assets (emergency generators)
5. Provide incentives for BAS that result in more efficient electrical utilization, including load shedding capability

#### **Natural Gas Incentives that CHA would like to see:**

1. Incentives to separate domestic hot water generation from central heating boilers
2. Incentives for high-efficiency domestic hot water heating systems