Patti Boyd
Senior Manager, Technology and Innovation

IEA Energy Efficiency Obligation Workshop
DCSEU: Program Model and Pay for Performance

DC SUSTAINABLE ENERGY UTILITY
YOUR GUIDE TO GREEN

What Is the DC Sustainable Energy Utility (DCSEU)?

DC SUSTAINABLE ENERGY UTILITY

DEPARTMENT OF ENERGY & ENVIRONMENT

- Clean & Affordable Energy Act (2008)
- Ratepayer-funded (Sustainable Energy Trust Fund, SETF)
- Performance-based contract privately operated by VEIC
- Contract is administered by District's Department of Energy and Environment (DOEE)
- Base contract funding is $20M/annually

DCSEU – Energy Savings and Social Equity

DCSEU FY 2018 Highlights

1.2 MILLION
TONS OF LIFETIME CARBON EMISSIONS PREVENTED, equivalent to the emissions from burning 550,000 tons of coal[1]

$187M
IN LIFETIME ENERGY COST SAVINGS FOR CUSTOMERS

ENOUGH NATURAL GAS SAVED to offset Woodrow Wilson High School's usage for **40 YEARS**[4]

ENOUGH ELECTRICITY SAVED TO POWER **15,000 HOMES** in DC for one year[2] —approximately 5 percent of all households in DC[3]

88 GREEN JOBS[5] created for DC residents at or above DC's Living Wage

MORE THAN **240** DC businesses and institutions served

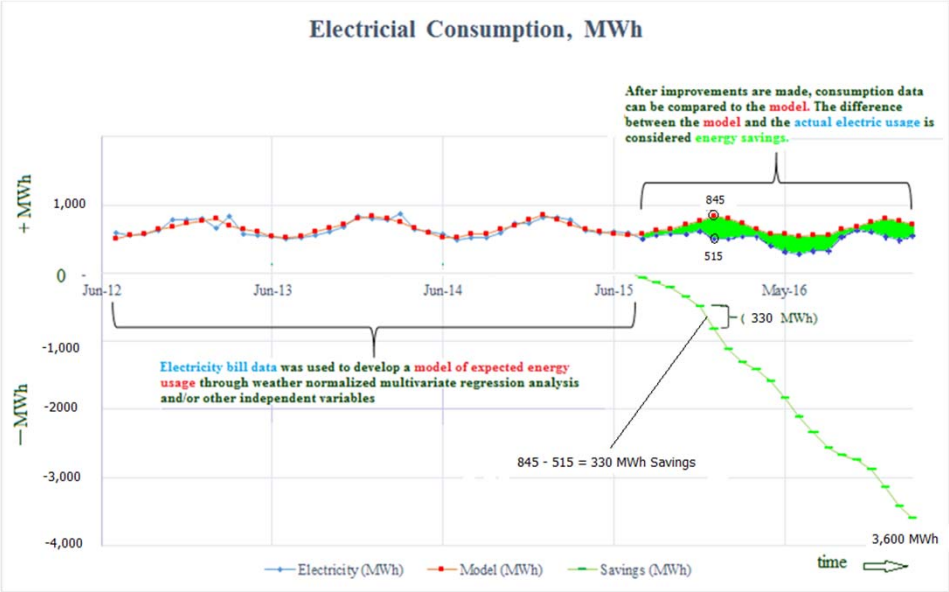
$2.8M
INVESTED WITH CBES

$4.1 MILLION
INVESTED IN ENERGY EFFICIENCY FOR LOW-INCOME COMMUNITIES

DCSEU's Offerings for Large Commercial Buildings

- No-Cost Technical Assistance
- Workforce Development
  - Externs/Interns/Building Operator Certification Training
- Custom Incentives
  - *New Construction/Major Renovation*
  - *Market Opportunity* – end of life equipment replacement
  - *Retrofit* – before end of life equipment replacement
  - *Pay for Performance* - multi-measure/interactive effects, behavioral/operational/setpoint changes, controls upgrades

DCSEU Pay for Performance – how it works



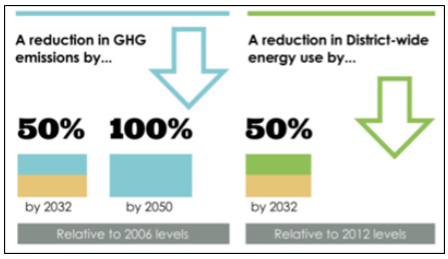
Pay for Performance – Fills the Niche

- Allows DCSEU to engage with customers in a way we were not able to in the past
- Influences our customers to operate their buildings more efficiently, not just purchase more efficient equipment
- Takes advantage of recent cost reductions in data collection equipment and analytics
- Helps DCSEU develop the bourgeoning vendor community that provides data analytics tools and services and provide real-time recommendations

Sensor from www.disruptive-technologies.com

What's Next?

- Clean and Affordable Energy Act of 2008
  - Requires annual benchmarking for buildings over 50k ft^2 using ENERGY STAR ® Portfolio Manager
- Plans: Clean Energy DC Plan, Sustainable DC
- CleanEnergy DC Omnibus Amendment Act of 2018
  - Created a Building Energy Performance Standard (BEPS)



- DCSEU is collaborating with other entities to:
  - help buildings impacted by BEPS achieve compliance and
  - find the best ways to hit the District's ambitious climate reduction goals

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E pboyd@dcseu.com
P (202) 677-4837

80 M Street SE, Suite 310
Washington, DC 20013

DEPARTMENT OF ENERGY & ENVIRONMENT
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GOVERNMENT OF THE DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

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