

DC'S NEW BUILDING ENERGY PERFORMANCE STANDARDS

Monthly Update
June 24, 2021



AGENDA

- BEPS Program Timeline update
- DCSEU update
- Q&A

BEPS PROGRAM TIMELINE

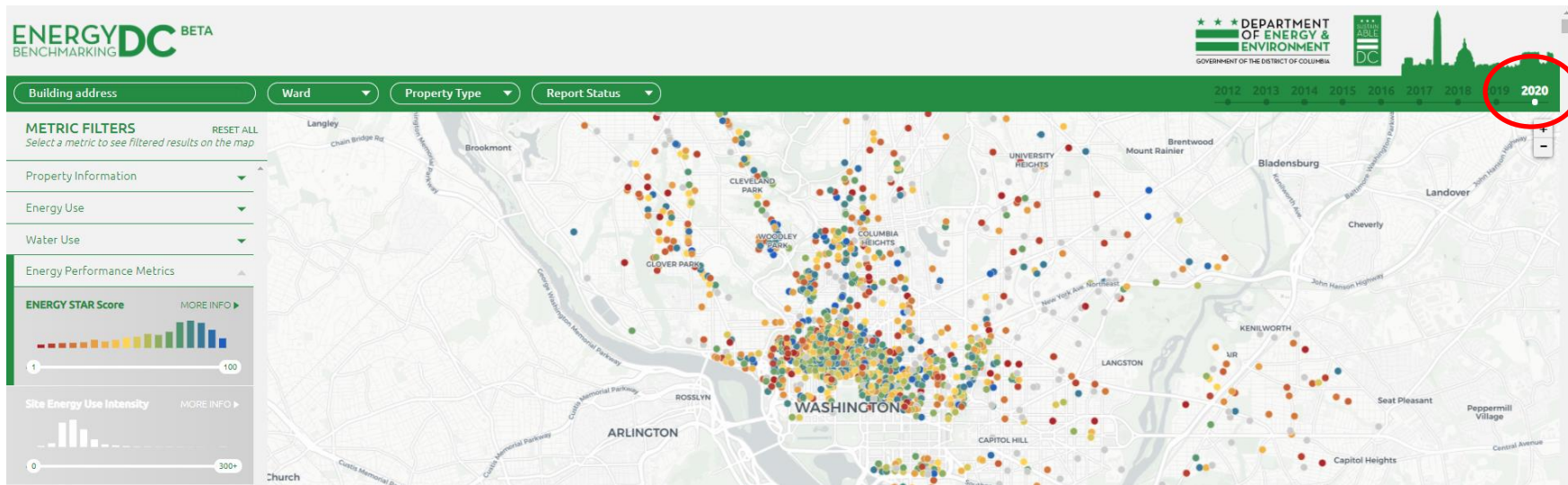
- BEPS Cost/Benefit Study broken down into 2 parts. Part 1 working through approval process for public viewing.
- BEPS Establishment Regulations effective January 1, 2021. Final rulemaking posted in the [DC Register](#) on April 30, 2021.
- Building Energy Performance [disclosure](#) with columns on whether buildings meet the BEPS. Official notification letters of BEPS status will be sent soon. [Variance form](#) now available (deadline January 1, 2022).
- BEPS Compliance Rulemaking and Technical Guidebook (with response to public comments) moving through approval process.

BEPS TASK FORCE UPDATE

- BEPS Compliance rulemaking - several topics were discussed with the Task Force on **March 30 and April 13**
- **May 25** Task Force meeting - Retro-commissioning sub-committee recommendations; presentation from Pepco on PSC FC 1160
- **June 22** Task Force meeting - Emerald Cities Collaborative and Inclusive Economics presented a BEPS jobs supply/demand analysis with workforce development and economic inclusion policy recommendations
- Next BEPS Task Force meeting is **July 20**. Topics TBD

<https://doee.dc.gov/node/1436891>

2020 BENCHMARKING DATA RELEASED



Released on our [benchmarking map](#) or available as a single dataset on [Open Data](#)

DCSEU Programs Overview



DC
SUSTAINABLE ENERGY
UTILITY

What Is the DC Sustainable Energy Utility (DCSEU)?



- Clean & Affordable Energy Act (2008)
- Ratepayer-funded, privately operated
- Performance-based contract administered by Department of Energy and Environment (DOEE)
- Designed to help District households, businesses, and institutions **save energy and money** through **energy efficiency** and **renewable energy** programs

DCSEU Goals

Electricity
Savings



Gas
Savings



Green
Jobs



Local Economic
Development



Low-Income
Spending



Renewables



DCSEU PROGRAMS

Residential

- Efficiency Products
- Solar for Income Qualified
- Tips & Tools

Commercial & Multifamily

- Rebates & Incentives
- Income Qualified Support
- Technical Assistance

Solar

- Solar for All
- Community Renewable Energy Facility (CREF) Project

Workforce Development

- 5-month Green Externships
- Nationally Recognized Certifications
- Contractors Training

DCSEU's Commercial & Multifamily Offerings

- ▶ Prescriptive Rebates
- ▶ Custom Incentives
- ▶ No-Cost Technical Assistance
- ▶ Workforce Development

Prescriptive Rebates

- ▶ Equipment Replacement initiative provides rebates to small-to-medium sized businesses and institutions.
- ▶ The program offers prescriptive incentives for lighting, HVAC, compressed air, refrigeration, food service, and vending equipment.
- ▶ Rebates require written pre-approval and are provided for facility improvements that result in a permanent reduction in electrical and/or natural gas energy usage (persisting for a minimum of five years).
- ▶ The DCSEU provides per-unit rebates size and efficiency based on the type of equipment.
- ▶ Rebates capped at 100% of the participant cost.

Custom Incentives (“Non-prescriptive”)

- ▶ The initiative provides a comprehensive set of energy services to owners of large buildings who are replacing old equipment, renovating an existing building, or beginning a new construction project.
 - *New Construction/Major Renovation*
 - *Market Opportunity – end of life equipment replacement*
 - *Retrofit – before end of life equipment replacement*
 - *Pay for Performance - multi-measure, behavioral, and/or operational changes*

Prescriptive Rebates and Custom Incentive Measures

Product Category		Prescriptive Rebates	Custom Projects
Lighting	Interior LEDs	●	
	Exterior LEDs	●	
	Controls	●	
Heating and Ventilation	Boiler Projects	●	●
	Hot Water Heaters		●
	Steam Systems		●
	Steam Trap Replacement		●
	Variable Frequency Drives (VFDs)	●	●
	Demand Control Ventilation		●
	Chillers		●
	Heat Pumps		●
Pay for Performance	Recommissioning and Retro-commissioning		●
	Advanced Building Controls		●
	Energy Management Information Systems		●
Refrigeration and Food Service	Walk-in refrigerators and freezers	●	
	ECM Motors for Walk-in coolers and freezers	●	●
	Food Service Equipment	●	●
Other	New Construction Projects		●
	Complex, Multi-measure projects		●
	Renewables		●
	Net Zero Building Projects		●

Pathways to Incentives and Technical Assistance

Self-Service

WHO: Customer completing a project and have chosen a contractor and equipment with a defined timeline

VALUE = defined rebate amounts up to \$50,000

HOW: Prescriptive rebate application or buy directly from Participating Distributor

Custom Service

WHO: Customer considering a project and the equipment is not listed in Prescriptive rebates and/or rebate amount will exceed \$50,000

VALUE = 3rd party review

- Total incentive value is defined per MWh or per MMBtu
- Technical Assistance

HOW: Custom Incentive calculation from DCSEU

Contractor/Direct Service

WHO: Customer facing high energy costs or considering a project but not sure how to proceed

VALUE = 3rd party review, project management, vetted contractor

- Total Rebate value is \$ per MWh or \$ per MMBtu incentive
- Technical Assistance

HOW: DCSEU/Customer cost share; DCSEU pays contractor directly

No-Cost Technical Support

IDENTIFYING OPPORTUNITIES

- Site walkthroughs
- Capital planning assistance
- No-cost technical assistance
- Interval data analysis
- Peer-to-peer information exchange
- New technology seminars

FINDING SOLUTIONS

- Project planning & prioritization
- Unbiased review of vendor quotes
- Data logging baseline energy usage
- Guidance on operations and maintenance adjustments

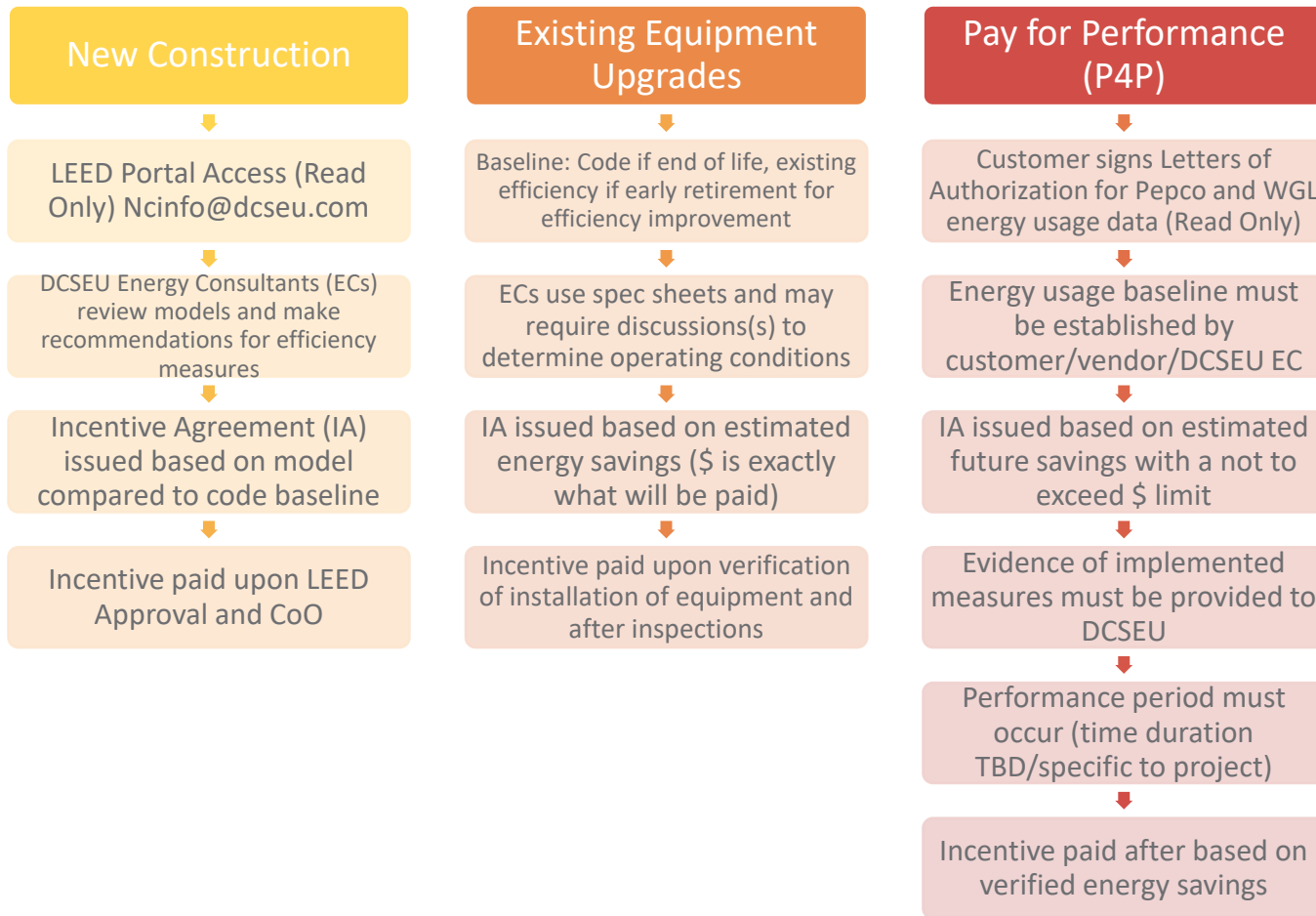
PROJECT ANALYSIS

- Cash flow and ROI analysis
- Post-installation data logging
- Project savings regression analysis

CALCULATING IMPACT

- Demonstrating value to decision makers
- Analysis of reduced operations and maintenance costs
- Increased comfort and employee performance
- Guidance on PR and marketing opportunities

Process Flow for Custom C&I Project Types



Refrigeration Management



Is Refrigeration Running Up Your Energy Costs?

For a limited time only the DCSEU is offering to cover **100% material costs** for qualifying refrigeration equipment.

Electronically Commutated Motors (ECMs)

- Between now and September 15, 2021, the DCSEU will pay up to \$200 per ECM installed.
- Making this change could save your business up to \$800 in lifetime energy cost savings per motor replaced.

Door Heater Controls

- Between now and September 15, 2021, the DCSEU will pay up to \$1,000 for door heater controls (minimum 2 doors for freezers, 8 doors for refrigerated cases)
- Making this change could save your business up to \$3,400 over the lifetime of the equipment.

Train Green SEICBP

Sustainable Energy Infrastructure & Capacity Building Pipeline Program



Program Design

- Acquire new or enhanced skills around **energy efficiency and renewable energy** design, construction, inspection, and maintenance
- **NO COST trainings, credentialing and certification courses**
- **Available to (in the order of preference):**
 - District CBE or CBE Eligible firms
 - District Residents working outside of the District
 - Individuals & businesses in the greater DMV metro area
- Learn More at dcseu.com/TrainGreen

District CBE or CBE-Eligible Firm employees

- Architects, designers, and safety engineers
- Building Management or Maintenance
- Electrical Contractors
- Energy Services Company (ESCO)
- Engineers or Energy service providers
- Distributors
- HVAC/Mechanical/Plumbing Contractor
- Manufacturers
- Property/Building Owners
- Solar Contractors

BEPS

New Energy Benchmarking & Data Verification

- ▶ DCSEU offered two 1-hour webinars that focused on an overview in energy benchmarking and an introduction to verifying benchmarking data.



For more information and access to the recordings, visit the DCSEU's [Benchmarking in DC webpage](#).



WHAT'S
NEXT?



DC
SUSTAINABLE ENERGY
UTILITY

Crystal McDonald

Director of Account Management

E info@dcseu.com

P

80 M Street SE, Suite 310

Washington, DC 20013

DCSEU.com



facebook.com/dcseu



twitter.com/dcseu





Q&A

LEARN MORE!

doee.dc.gov/service/BEPS
info.beps@dc.gov
info.benchmark@dc.gov

- Attend a BEPS Task Force meeting
- Attend a future education session (search DOEE in EventBrite)
- Check out the [Building Innovation Hub](#) and their events
- Join us for the next update on [July 29!](#)
- Tell your friends/coworkers/clients about BEPS