

BEPSDC Task Force

November 17, 2020

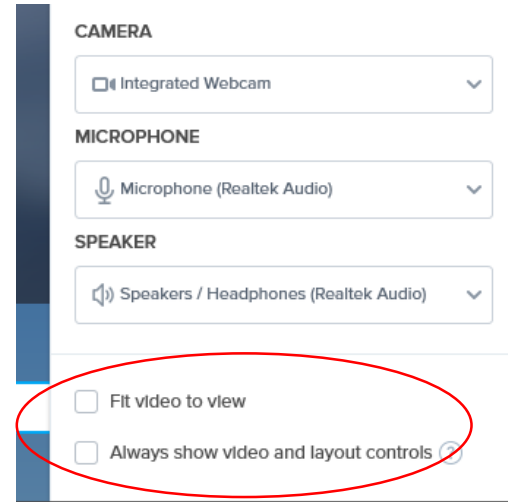
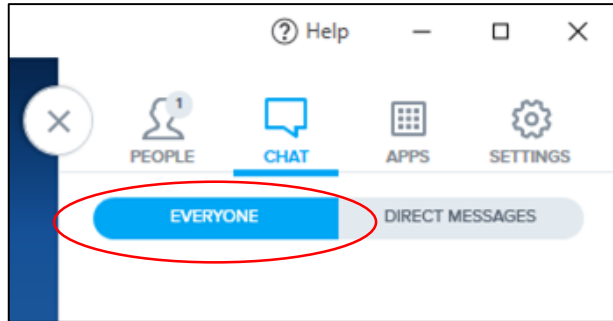
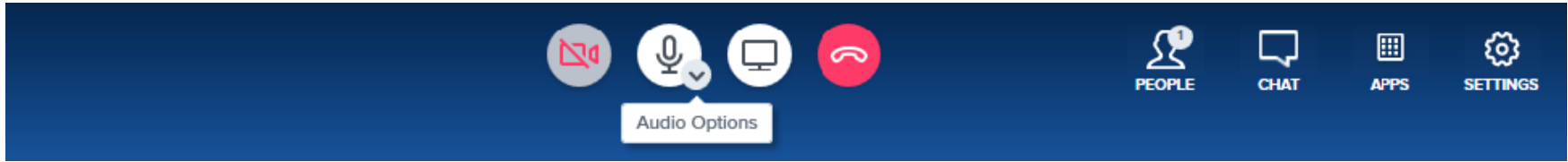


@DOEE_DC
#BEPSDC

*** DEPARTMENT
OF ENERGY &
ENVIRONMENT
GOVERNMENT OF THE DISTRICT OF COLUMBIA

WE ARE
WASHINGTON
DC GOVERNMENT OF THE
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

BLUEJEANS TOUR



ONLINE MEETING ETIQUETTE

- The meeting is being recorded and will be posted to our website
- Questions and Comments throughout the meeting:
 - All attendees will control their own mute function but could be muted by the facilitator due to background noise
 - Task Force Members – can comment at any time
 - Non-Task Force Members - please use the chat box to request to talk
- Attendance
 - Non-Task Force Member – please use the chat box at this time to register your name, organization and email to “sign in”
 - Task Force Members - roll call (will also use this for voting)

ROLE OF TASK FORCE



- Advise DOE on creation of an implementation plan for the Building Energy Performance Program;
 - Recommend amendments to proposed regulations issued by DOE;
 - Recommend complementary programs or policies.
-
- If topic needs in-depth discussion, anyone can suggest moving to a committee
 - This is an open meeting - everyone is allowed to participate

AGENDA



- Administrative Items
- DCSEU feedback session
- Campus sub-committee recommendations on Extended Deep Retrofit Pathways
- Update on rules timeline
- Announcements



Where can I find rebates or incentives for my building?

DC Sustainable Energy Utility (DCSEU)



I am having problem finding financing for my energy project!

DC Green Bank



Where can I find information to help me improve my building's energy efficiency?




Building Innovation Hub



How do I comply with BEPS?

DC Department of Energy & Environment (DOEE)



I have questions on the permitting process for my energy retrofit project!

Department of Consumer and Regulatory Affairs (DCRA)

BEPS Task Force DCSEU Feedback Session



DC
SUSTAINABLE ENERGY
UTILITY

Patti Boyd
Ted Trabue
Crystal McDonald

Agenda

- ▶ DCSEU quick refresher
- ▶ DCSEU Efforts to support Benchmarking and BEPS
- ▶ BEPS Task Force Feedback

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

- 6-month Green Externships
- Nationally Recognized Certifications
- Job Placement

DCSEU Efforts to Support BEPS – Prior to FY21

General

- Account Managers provide guidance on Benchmarking and Energy Star scores
- SEICBP Energy Efficiency Trainings (2020)

Energy Benchmarking

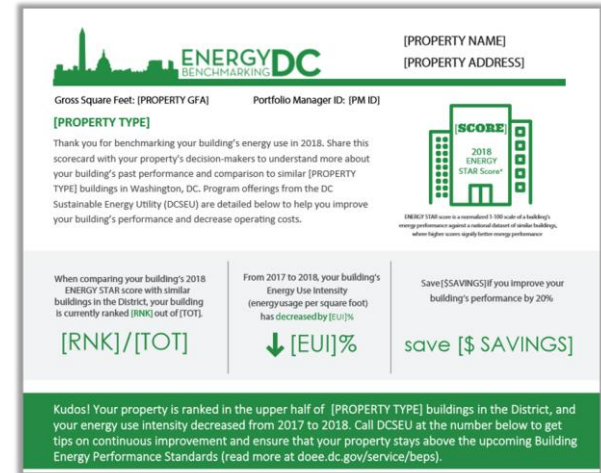
- Original Benchmarking Help Desk at DCSEU (<2015)
- [Energy Scorecards](#) (2019)
- [Benchmarking and Data Verification Trainings](#) (2020)

Task Force

- Patti Boyd, representing DCSEU
- Monthly general public meeting presentations

High Performance Building Hub

- Detailed [DCSEU Program Descriptions](#) (2020)
- [DC Building Code Update](#) and [Building Envelope Commissioning](#) resources (2020)



DCSEU Efforts to Support BEPS – FY21

▶ Continue -

- Account Management support
- SEICBP Energy Efficiency Trainings – TBD, based on funding availability
- Patti Boyd on the BEPS Task Force
- Monthly general public meeting presentations
- DCSEU's Pay for Performance offering aligns best with BEPS

▶ Underway -

- Green Bank
 - Staff level introductions this month (November 2020)
 - Adding GB to customer outreach materials and discussions
- Benchmarking
 - > 25k ft² building support – Small Business customer sector outreach materials
 - Partner with DOEE Benchmarking Team to get the word out!

BEPS Task Force Feedback

- What additional activities should the DCSEU consider?
- What else can the DCSEU help to get the word out for energy benchmarking, especially for >25k ft²?



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



DEEP ENERGY RETROFITS – GUIDING PRINCIPLES

- Pre-approved Alternative Compliance Pathway
- Designed to provide similar savings as multiple cycles of compliance
- Applications due at the same time as other pathways
- Each DER/ACP will have its own reporting, evaluation and enforcement requirements

DEEP ENERGY RETROFIT TYPES

- **“Accelerated”**
 - Incentivizing early completion of projects = savings realized sooner
 - Proposing compounded savings percentages
 - Open to any property type
- **“Extended”**
 - Designed to allow for projects not done within first cycle; to align with financing cycle or campus master plans.
 - To achieve deeper savings over the course of more than 1 cycle rather than 20% in consecutive cycles.
 - Opening to Affordable Housing Multifamily and College/University and Hospital “campuses”

ACCELERATED DEEP ENERGY RETROFIT PATHWAY



Project Completed and Evaluation	Demonstrated Site EUI Savings	Waiver Granted
End of Cycle 1	36%	Cycle 2
	49%	Cycle 2 and 3
	59%	Cycle 2, 3, and 4

- Savings targets are compounded because projects are completed early. Extended savings targets are not compounded.
- Building required to maintain 75% of savings at end of waiver cycles.



EXTENDED DEEP ENERGY RETROFIT PATHWAY

- Designed to allow for projects not done within first cycle; to align with financing cycle or campus master plans.
- Will allow buildings in this sector to **target deeper energy savings** beyond the base pathways with additional time to achieve savings target.
- Intended to be an **extension past** the two base compliance pathways so will be required to achieve more savings to have the extension
- Each campus will be required to submit a **milestone plan** at the beginning of the compliance cycle and **milestone progress reports** at the end of each compliance cycle (ex. work undertaken and progress % complete)
- Campuses/Affordable Housing **not on track** to meet their goal will be removed from the pathway and subject to aggregated penalties at that time. Any progress made will be counted towards reducing the penalty.

SAVINGS AND TIMELINE

- Energy performance requirement will be equal to the savings expected by the end of the first Compliance Cycle multiplied by the number of Cycles the building owner requests
- Campuses can select 2-cycle or 3-cycle EDER Pathways
- Savings must only be demonstrated at the end of the final Compliance Cycle (2031 or 2037)
 - Minimum regulatory savings target of 30% = 2-Cycles; 40% = 3-Cycles
 - Maximum regulatory savings target of 40% = 2-Cycles; 60% = 3-Cycles
- Interim Milestones will be set at the beginning of the Compliance Cycle

2-CYCLE EXAMPLE

Savings Plan	Campus A	Campus B	Campus C
Distance from Standard (Site EUI)	16 %	9%	20%
2-Cycle EDER Target (end of 2031)	32%	30%	40%

Documentation	Deadline
Pathway Selection Form	February 1, 2023
Proposed Milestone Plan	
Milestone Report	February 1, 2027
Final Milestone Report	February 1, 2032
CY2031 District Benchmarking Report (third-party verified complete and accurate)	April 1, 2032

3-CYCLE EXAMPLE

Savings Plan	Campus A	Campus B	Campus C
Distance from Standard (Site EUI)	16 %	9%	20%
3-Cycle EDER Target (end of 2037)	48%	40%	60%

Documentation	Deadline
Pathway Selection Form	February 1, 2023
Proposed Milestone Plan	
Milestone Report	February 1, 2027
Milestone Report	February 1, 2032
Final Milestone Report	February 1, 2038
CY2037 District Benchmarking Report (third-party verified complete and accurate)	April 1, 2038

OVERALL SCHEDULE



Rules Update - Katie

Future Agenda Items for Discussion/Feedback

- Open Session for Rules Q&A
- Workforce Development discussion - December
- Non-DOEE policy gaps?
- Other Ideas?

WEBINAR UPDATE

DOEE hosting a live [monthly webinar](#) to update the public on the progress of BEPS implementation.

<https://beps-monthly-webinar.eventbrite.com>

July 30
~~August 27~~
~~Sept 24~~
~~Oct 29~~
Dec 10

<https://buildinginnovationhub.org/events/>

DOEE & DCRA: 2020 Green Building Professional Series @ 1:00 pm

- New Building Codes – December 9, 2020
- Transportation Electrification – January 13, 2021
- Road to 100% Renewable Electricity – February 10, 2021
- Funding Clean Energy Projects – March 10, 2021
- Getting Ready for BEPS – April 14, 2020

<https://www.eventbrite.com/e/2020-green-building-professional-seminar-series-tickets-121531625363>



NEXT MEETING



December 8, 2:30 – 4:30pm

- Rules Q&A?
- Workforce development discussion?





ANNOUNCEMENTS

