

# GETTING TO **zero**

NATIONAL FORUM 2018

**PITTSBURGH, PA**  
WYNDHAM GRAND PITTSBURGH

**APRIL 17-19, 2018**

[GETTINGTOZEROFORUM.ORG](http://GETTINGTOZEROFORUM.ORG)

## **Advanced Jurisdictions:**

### **States and Cities Take the Lead on Driving Zero Energy**

**April 17, 2018 – 8:00 to 11:30 a.m.**

#### **Wyndham Grand, Pittsburgh, PA**

Increasingly, states and cities are formalizing energy and climate action goals and defining building-related policies and strategies that will help bring about defined greenhouse gas emissions reductions in their communities. Hundreds of jurisdictions throughout the U.S. are adopting commitments to reduce energy use and the resulting carbon emissions from the building sector. This workshop will outline the goal-setting process and policy mechanisms cities and states are using to drive the changes necessary to achieve ultra-low and zero energy performance in local building stock. From executive orders targeting publicly owned buildings, community education, to establishing aggressive energy codes, participants will learn how leading jurisdictions are moving the needle and reducing building-related carbon emissions.

#### **Learning Objectives:**

1. Understand the range of processes, practices, and policy mechanisms used by leading jurisdictions to advance public building efficiency and save funds to support community programs.
2. Understand how jurisdictions encourage market leadership through education, public acknowledgment, and recognition.
3. Be able to describe how adopting stretch codes can reduce building energy use and costs, reduce the overall load on the power system, and help cities meet carbon reduction goals.
4. Understand the financial and environmental drivers for adopting small and large-scale renewable energy.
5. Hear real-world examples of city champions gaining support from leaders and community members alike to create local solutions supported by all.

#### **Agenda:**

**7:30 – 8:00 am**      **Refreshments, networking**

**8:00 – 8:15 am**      **Welcome | Ralph DiNola, NBI**

An introduction to the workshop goals and an overview of the national status of advanced jurisdictions.

**8:15 – 8:30 am**      **Process: Zero Energy Action Paths for  
Advanced Jurisdictions | Ralph DiNola, NBI**

Advanced jurisdictions address topics in five action paths to drive progress toward zero energy goals. Examples will show how jurisdictions can be leaders within their public building portfolios by creating a clear code and policy roadmap, and by transforming the market through public awareness. Participants will review how to achieve climate goals through ZE pilot projects, deep energy retrofits starting with municipal building benchmarking and portfolio analysis, ZNE codes, financial incentives, ZE recognition, and other tactics.

**8:30 – 9:15 am**      **City Collaboration on Climate Action**  
**Andrew Lee, Arch 2030 | Mark Frankel, NBI**  
**Julie Hughes, IMT**

Several national organizations are committed to providing cities with resources, tools, and support to expand their climate action plan goals. Team members from Architecture 2030, Urban Sustainability Directors Network's Zero Cities Project, and IMT's City Energy Project will share their experience and examples from working with individual cities to support carbon reduction goals and the impact of the results.

**9:15 – 9:45 am**      **Codes, Tools, and Policies**  
**Ken Baker, NEEA | Duane Jonlin, City of Seattle**

The City of Seattle will tell the story of how one city was able to influence the state to create an energy stretch code to reduce building energy use and costs, reduce the overall load on the power system, and helps cities meet carbon reduction goals; and he will share his current success. Ken Baker from NEEA will share how community strategic energy management has helped cities, like Boise, reduce building energy consumption and find momentum for additional energy efficiency projects.

**9:45 – 9:55 am**      **Break**

**9:55 – 10:20 am**      **DC Comprehensive Building Efficiency Approach**  
**Dave Epley, District of Columbia**

District of Columbia has adopted many green building-related laws and regulations (e.g. DC Green Building Act, DC Green Construction Code, DC Energy Code and Energy Benchmarking program) as well as the new policies on the horizon that will move the city towards our net-zero goals for new construction and existing buildings. Dave's unique perspective on the Building Department's green building enforcement (i.e. Green Building Division - [buildgreendc.org](http://buildgreendc.org)) and the approach to enforcement of regulations through design and plan review, inspections, certificate of occupancy review and post occupancy verification. Specific topics will include the staffing structure/capacity needed to create an effective team, methods of enforcement (e.g. hold for comments, corrective orders, fines), regulation of 3rd party service providers (e.g. Cx agencies, energy modeling agencies, plan review and inspection agencies), DC's approach to training and education to build capacity in the building industry, the approach to applying codes and regulations to renovations and alterations, and other topics and lessons learned they've had over the past five years of enforcing the green building and energy codes.

**10:20 – 10:35 am**      **Panel Q&A**

Participants will have the opportunity to ask the presenters questions.

**10:35 – 11:20 am**      **Activity**

An interactive activity will link the lessons learned to practical applications of building energy reduction that all jurisdictions face.

**11:20 – 11:30 am**      **Closing Discussion**