

Phius Policy Summit

April 16, 2024

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We advance high performance buildings in Illinois.



Educating building professionals



Advancing policy and removing barriers



Supporting buildings on the path to net zero

Illinois Green's Path to Zero

The First Ten Years

The formation was catalyzed around the potential USGBC's Leadership in Energy and Environmental Design (LEED) could play in making an impact.

The Center for Green Technology in Chicago, the first LEED Platinum municipal building in the world, became a signature project and living laboratory.

Supported the passage of the Illinois Green Buildings Act, which requires all new state buildings to meet LEED Silver.

2021

A new strategic plan was launched, focused on bringing net zero building practices to all building types.

The Second Ten Years

2012: Illinois was recognized as the state with more LEED square footage per capita than any other state.

2013: Supported the passage and implementation of the Chicago energy benchmarking ordinance.

2016: The 2016-2020 strategic plan, called the Epic Challenge, built on our experience with LEED to bring green building experience to more buildings and neighborhoods.

2020: The Neighborhood Power Project launched to assist community oriented buildings with sustainability operations.

2020: The Illinois Green Schools Project launched to engage students and classrooms around green building.

White House releases net-zero road map

By David Iaconangelo | 11/04/2022 06:50 AM EDT

With Buildings Accounting for More than a Third of New York's Climate Pollution, Governor Launches Unprecedented Commitment to Accelerating Green, Electrified or Electrification-Ready Buildings

Denver's Net Zero Energy (NZE) New Buildings & Homes Implementation Plan

Washington state moves to electrify new buildings by requiring heat pumps

New commercial buildings in Washington will have to conform are now the country's strongest electrification standards for 1

CEJA Grows Renewables and Social Equality in Illinois

Reset with Sasha-Ann Simons • 14 min

Chicago Prize 2022 finalist wants to build a thriving community and sustainability hub in LeClaire Courts

Cultivate Collective is combining wellness and sustainability to bring greener options and opportunities to the Southwest Side.



RMI
47,051 followers
1mo •

Leaders in Pembroke, IL decided their community would not be left behind when it came to renewable energy and electrification of their homes. They kicked off the Pembroke Energy Efficiency Pilot project for four homes to show that electrification is a viable, sustainable solution for bringing reliable energy to rural, poor communities. ⚡🏠

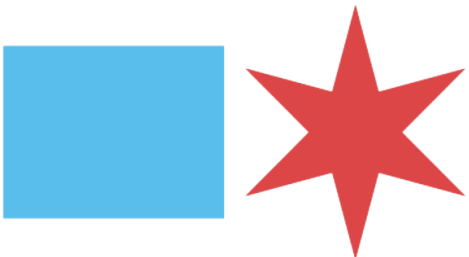
Zero Carbon and Zero Energy Codes: Key Policy Tools to Meet Climate Goals

Chicago's new weapon against climate change: A requirement that new homes be ready for easy installation of electric appliances

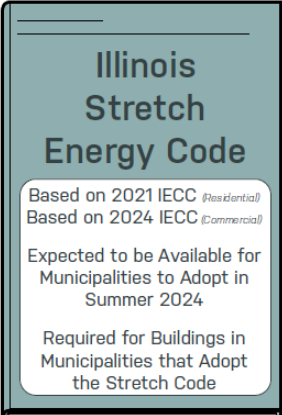
Boston zoning change would require net-zero emissions from new buildings

Gains made in this code cycle will put the IECC on track to achieving an increase in all-electric homes that can save up to \$16,200 over 30 years.

Momentum for High-Performance Buildings in Illinois



Building Decarbonization Working Group



Member & Partner Engagement



Sign up to be notified of opportunities to share your experience as a building professional, and why it's important to incentive green buildings with a local elected official.

Building Advocacy Interest Form

I am interested in advocating for net zero buildings * Yes

First Name *

Last Name *

Email *

City *

Home Zip Code *

Does your company provide products or services contributing to high performance buildings? Please provide your company name and zip code.

Company Name

Company City

Company Zip Code

I'm not a robot

Submit



1) Electric-Ready Residences



New residences with gas-fired appliances would need to be built with the electrical capacity and wiring necessary to switch to electric appliances in the future without opening walls or upgrading the electrical service.

2) Solar-Ready Commercial



New low-rise commercial buildings, such as warehouses, would be required to be designed and built to support current or future installation of solar panels.

3) Smart Technology



The proposed code would incentivize the use of heating and cooling equipment that is grid-integrated to reduce demand during peak times.

4) Alternative Compliance Paths



Two building standards would be recognized as alternative compliance paths: the 2021 Plus Standard and the gold and emerald certification levels for the 2020 National Green Building Standard.

Chicago Sustainable Development Policy + Phius

- 2004: Green roofs; stormwater; LEED Silver
- 2017: New menu of 100 points
 - Phius now included; 70 points
- 2024: Public Comment opened April 15
 - Phius Core or Phius Zero proposed as 90-95 points



Chicago.gov | Select Language ▾

HOME CURRENT POLICY HANDBOOK 2024 UPDATE RESOURCES ▾

i The draft 2024 Sustainable Development Policy (SDP) update is available for public review.

[DOWNLOAD THE DRAFT 2024 SDP](#)

Following a one-month public comment period that concludes on May 15, 2024, proposed updates are expected to be refined for initial implementation on July 1, 2024. Full implementation is expected on Jan. 1, 2025.

Sustainable Development Policy



Phius+ Certification (90 to 95 points)

The PHIUS+ Certification program is the only passive building certification that combines a thorough passive house design verification protocol with a stringent quality assurance/quality control (QA/QC) program performed on site by specialized PHIUS+ Raters.

Projects can earn points by achieving the following certification levels in the most current version:

- Projects can earn 90 points for PHIUS Core certification.
- Projects can earn 95 points for PHIUS Zero certification.

COMPLIANCE DOCUMENTATION

Proof that the project is registered for certification and a preliminary project checklist indicating the strategies that are part of the certification compliance. Proof of certification is required upon request.



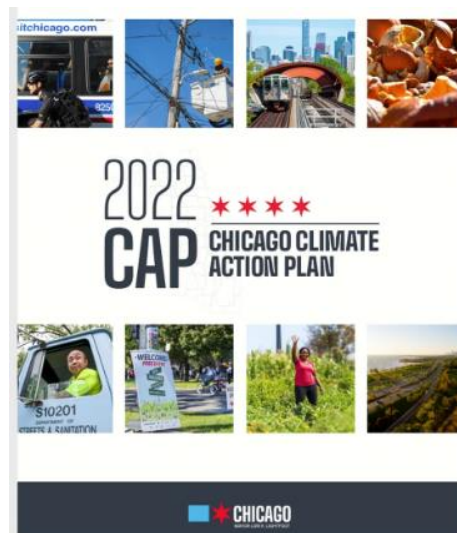
2022-2023 Illinois QAP

- 2020 New Gravity Housing Conference Participation
- Midwest Building Decarbonization Coalition QAP Working Group 2021
- Affordable housing architects, engineers, developers engaged
- Engaging IHDA Staff w/ Education: Incentivizing High Performance Affordable Housing – A Cost Study
- Recently updated for 2024/2025 after another public comment period.
 - Phius Core – 10 points
 - Phius Zero – 13 points



2022 Chicago Energy Transformation Code

- Adopted IECC 2021 with no weakening amendments
- Added amendments for electric-readiness
- Added Phius certification as alternative compliance path to code



American Institute of Architects (AIA) Illinois
and Illinois Green Alliance Invite You

Legislative Tour Open House

Visit groundbreaking all-electric homes that are raising the bar on comfort and sustainable living

Connect with local industry professionals, tour an all-electric Greenline Home, hear about Tierra Linda the first affordable, multi-family Passive House in Chicago, and learn how Chicago building codes and state policies like CEJA are helping advance healthier, more efficient homes.

FRIDAY, OCTOBER 7
8-9:30 A.M.

4559 S. PRAIRIE AVENUE, CHICAGO

8 A.M. — LIGHT CONTINENTAL BREAKFAST
8:30 A.M. — TOUR BEGINS

Please RSVP by October 4 to rsvp@aiaill.org



ILLINOIS GREEN ALLIANCE

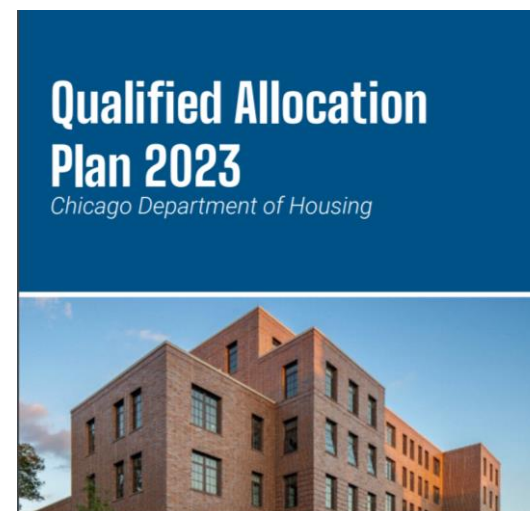
Home Economics of the Chicago Energy Transformation Code

Webinar + Green Home Tour

February 2
11:30 AM Webinar
4 - 6 PM Home Tour

Chicago Department of Housing QAP

- **Preference for Advanced Decarbonization and Above-Code Energy Efficiency**
- All developments must comply with relevant local requirements, including the Chicago Energy Transformation Code, Energy Benchmarking Ordinance, Sustainable Development Policy, and the sustainable building requirements in DOH's 2023 Architectural Technical Standards Manual.
- \$6M Climate Investment in 7 projects – Illinois Green working with ULI Chicago, DOH & Slipstream on case studies



 phius alliance
CHICAGO

Slipstream Affordable
Housing Pilot Program:
Focus on Energy

with
Connor Jansen
& Mary Kuhn

ONLINE: Wednesday, Mar 20
5pm CT

Opportunities to Further Advance Phius in Illinois

- Flagship projects adding to the knowledge base on net zero building design, construction and operation in IL
- Maximizing energy efficiency and envelope requirements for new construction through code and policy adoption
- Requirements for new buildings to offset all energy consumption with on-site generation from renewable resources when feasible
- Capital Development Board's stretch code adoption by municipalities throughout the state
- Utility incentives to offset incremental costs of high-performance equipment and training
- Trained workforce ready and able to build high performance buildings
- State, municipal and institutional buildings leading by example

Thank you! Questions?

