

Modernizing Chicago's Construction Codes

Overview

- Why modernize the code?
- What is planned?
- What has happened before?
- How will Phase 2a work?
- How might the code change?

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Goal

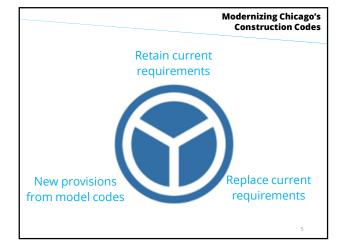
To better align the City of Chicago's construction requirements with up-to-date model codes and standards used in other major US jurisdictions while maintaining longstanding local requirements that are adapted to unique conditions in Chicago.

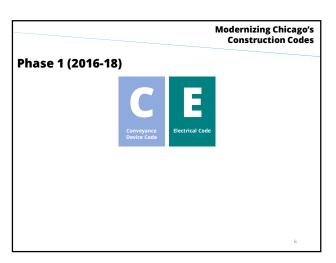
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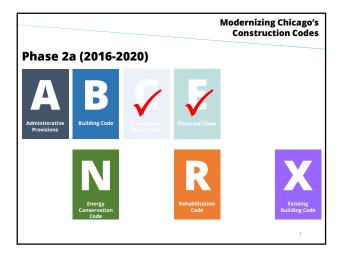
Outcomes

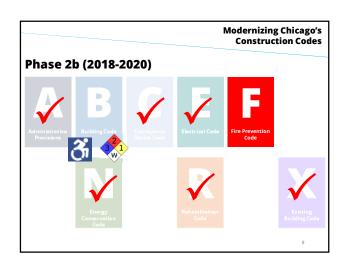
- streamline permitting process
- reduce barriers to cost-effective construction
- enhance public safety
- promote energy efficiency and sustainability
- facilitate innovative design and construction
- benefit from national code development efforts

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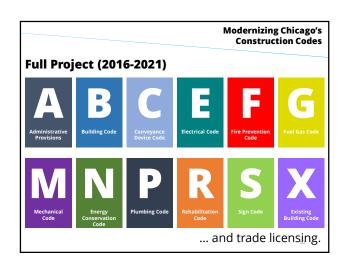












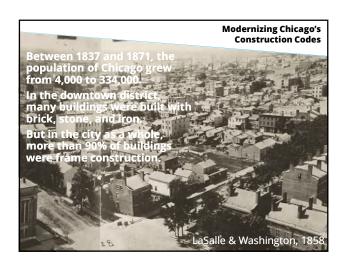
Rinse and Repeat The new construction codes will not be static requirements but a regulatory foundation that will make it easier for the City of Chicago to remain current with the latest building technologies and benefit from national code development efforts.

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History

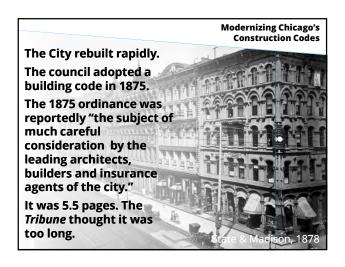
Understanding where the current code comes from is critical to understanding how we can and should reshape it going forward.





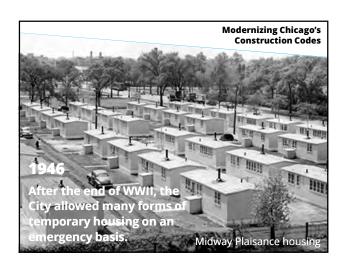






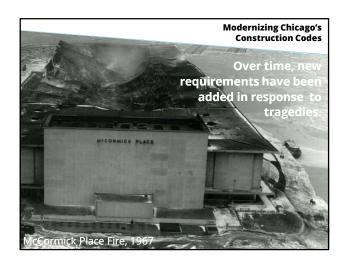




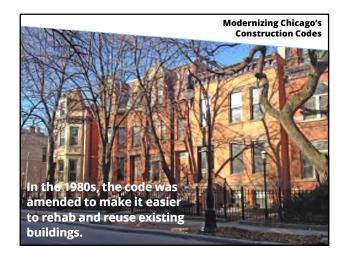


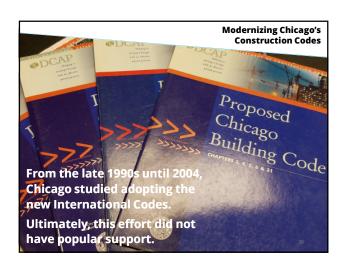






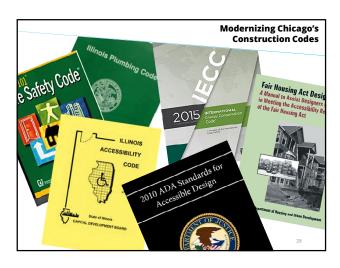












Phase 2a Process

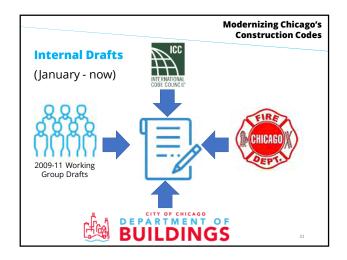
Internal drafts

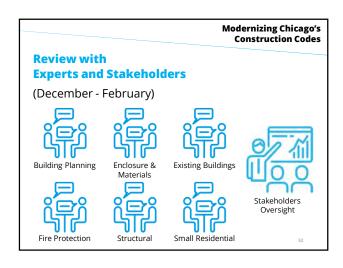
review with experts and stakeholders

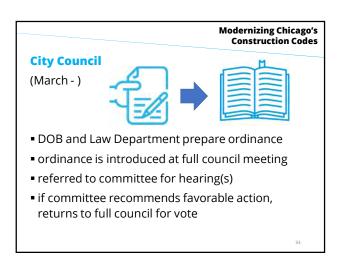
ordinance introduction

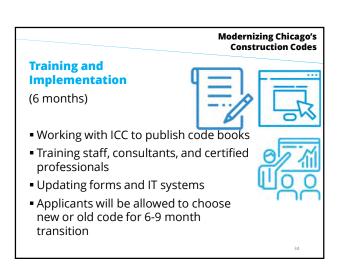
training and implementation

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Anticipated Changes

- Adopt national standard system of occupancy/risk classification
- Adopt national standards for special features such as atriums and underground buildings
- Update requirements for high-rise buildings, consistent with post-9/11 NIST recommendations

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Anticipated Changes

- Adopt national standard classification system for types of construction (but less recognition for fire retardant treated wood in noncombustible construction types).
- Allow increased heights and areas of ordinary and protected frame construction in new buildings with fire protection systems.

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Anticipated Changes

- Increase requirements for sprinkler and alarm systems in new buildings
- Increase requirements for alarm systems (but not sprinklers) in rehab work
- Align with national standards for exiting requirements (retain Chicago exit signage)
- Recognize newer construction materials without specialized approval required

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Anticipated Changes

- Align more closely with national standards for exterior wall and roofing materials
- Align with national standards for structural design
- Expand requirements for use of third-party inspections during construction
- Adopt clearer requirements for construction site safety

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Anticipated Changes

- Provide greater flexibility for rehab work, consistent with *International Existing Building* Code
- Provide greater clarity on requirements which apply to change-of-use projects (warehouse to apartments)
- Restate property maintenance requirements in clearer language, consistent with new code

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Anticipated Similarities

- Wood-based construction will still be more limited than under pure model code
- Some stricter passive fire-resistance requirements will remain (4-hr fire walls)
- Chicago-specific requirements for Wrigleyville rooftops and shooting ranges, etc. are likely to remain
- Chicago will not require third exits in high-rise buildings or dedicated fire command rooms

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Anticipated Similarities

- In smaller residential buildings, 2 exits will still be required, and "egress windows" will not be
- Chicago requirements for exit signs will remain

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Next Stakeholder Oversight Meetings

■ Wednesday, January 9, 2019 9:30 a.m.

■ Wednesday, February 6, 2019 9:30 a.m.

■ Wednesday, March 6, 2019 9:30 a.m.

(locations TBD)

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