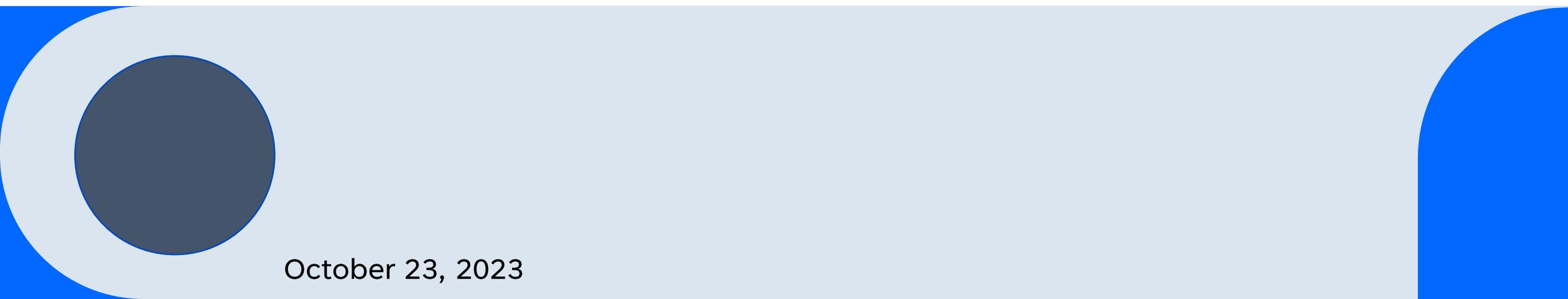


# Stormwater and Flood Resilience Proposed Local Law

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Director of Planning and Development



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# Interventions

## Stormwater Interventions

- Increasing Storm Design from 25-year to 100-year storm.
- Creating a retrofit requirement for substantial projects.

## Stormwater Zoning Interventions

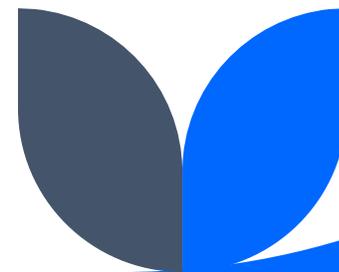
- Creating a maximum impervious lot coverage requirement.

## Resilient Zoning Interventions

- Measuring height in flood zones from 2-feet above base flood elevation.
- Exempting floor area below base flood elevation.
- Exempting stories below base flood elevation.
- Allowing projections for ingress and egress into front yard

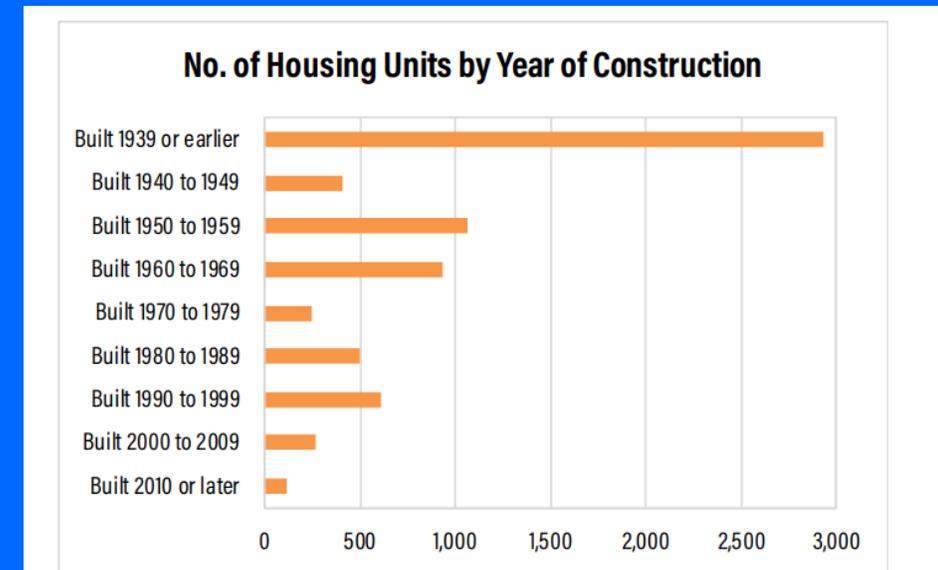
## Improving Infill Housing

- Creating standards and point-based compliance system for Green Infrastructure/ Green Building Element requirement for infill housing.



# Stormwater Interventions

- Increasing Storm Design from 25-year to 100-year storm.
  - Will apply to any project involving 200 sf of more of disturbances.
- Creating a retrofit requirement for substantial projects.
  - Any substantial improvements, that costs 25% or more of the existing improvements (house and structures on a lot) will be required to treat the entire site as undeveloped.
  - 85% of homes in the Village of Mamaroneck were built before 1980, and likely have limited or no stormwater system.



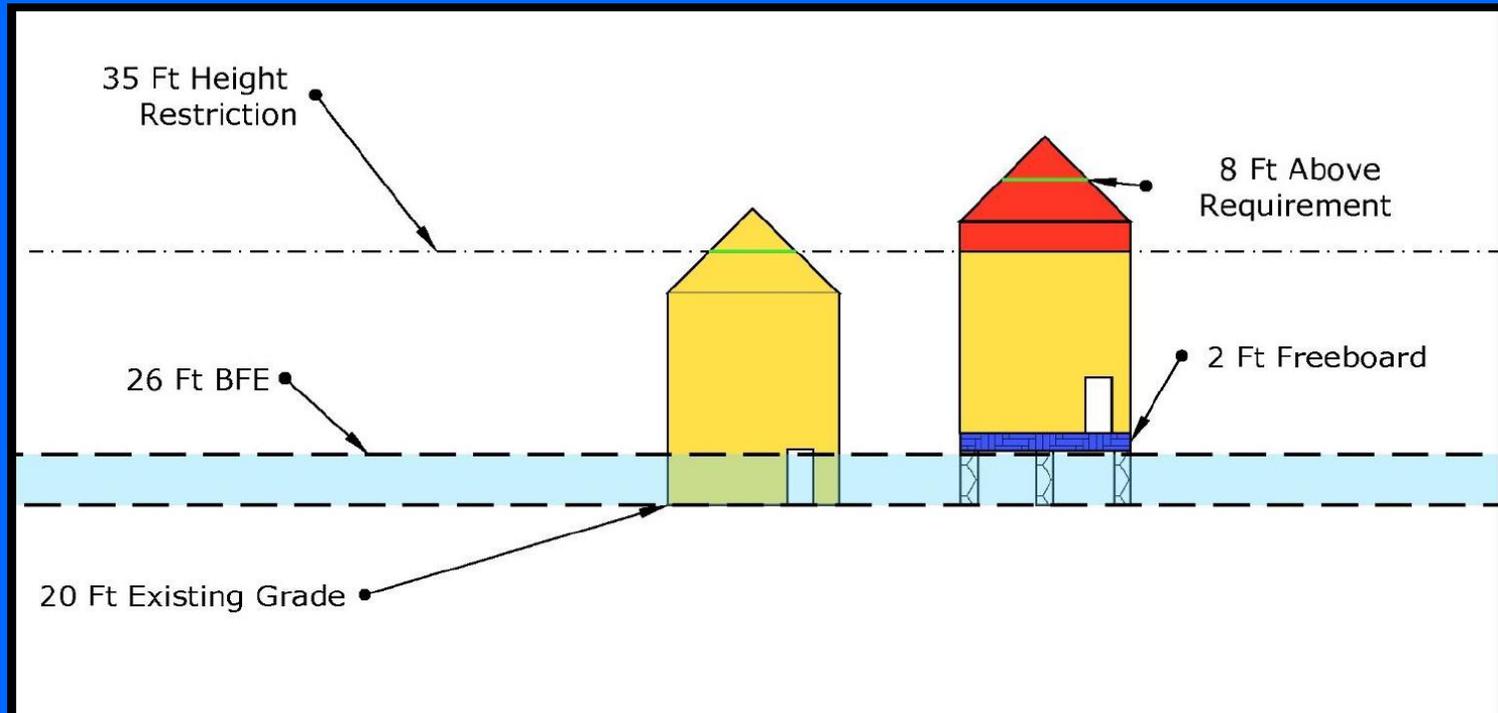
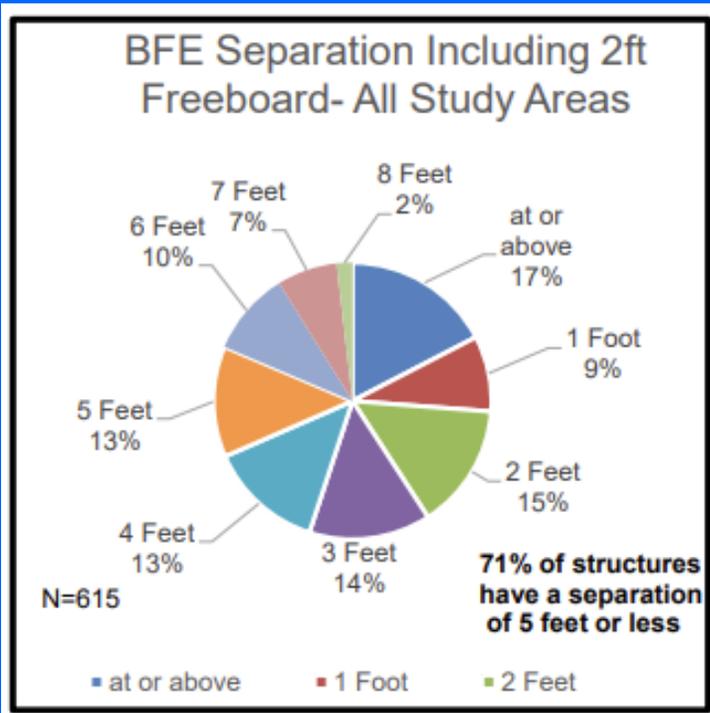
# Stormwater Zoning Interventions

- Currently there is no maximum impervious limit.
- Creating a maximum impervious lot coverage requirement.
  - 15% requirement for residential districts.
    - 5,000 sf lot example:
      - 35% Building (existing)= 1,750 sf footprint
      - 15% Impervious= 750 sf (12x12 Patio = 144 sf | 60 x 10 driveway= 600 sf)
  - 10% requirement in certain nonresidential districts.

# Resiliency Zoning Interventions

- Measuring height in flood zones from 2-feet above base flood elevation.
- Exempting floor area below base flood elevation.
- Exempting stories below base flood elevation.
- Allowing projections for ingress and egress into front yard

# Resiliency Zoning Interventions Continued



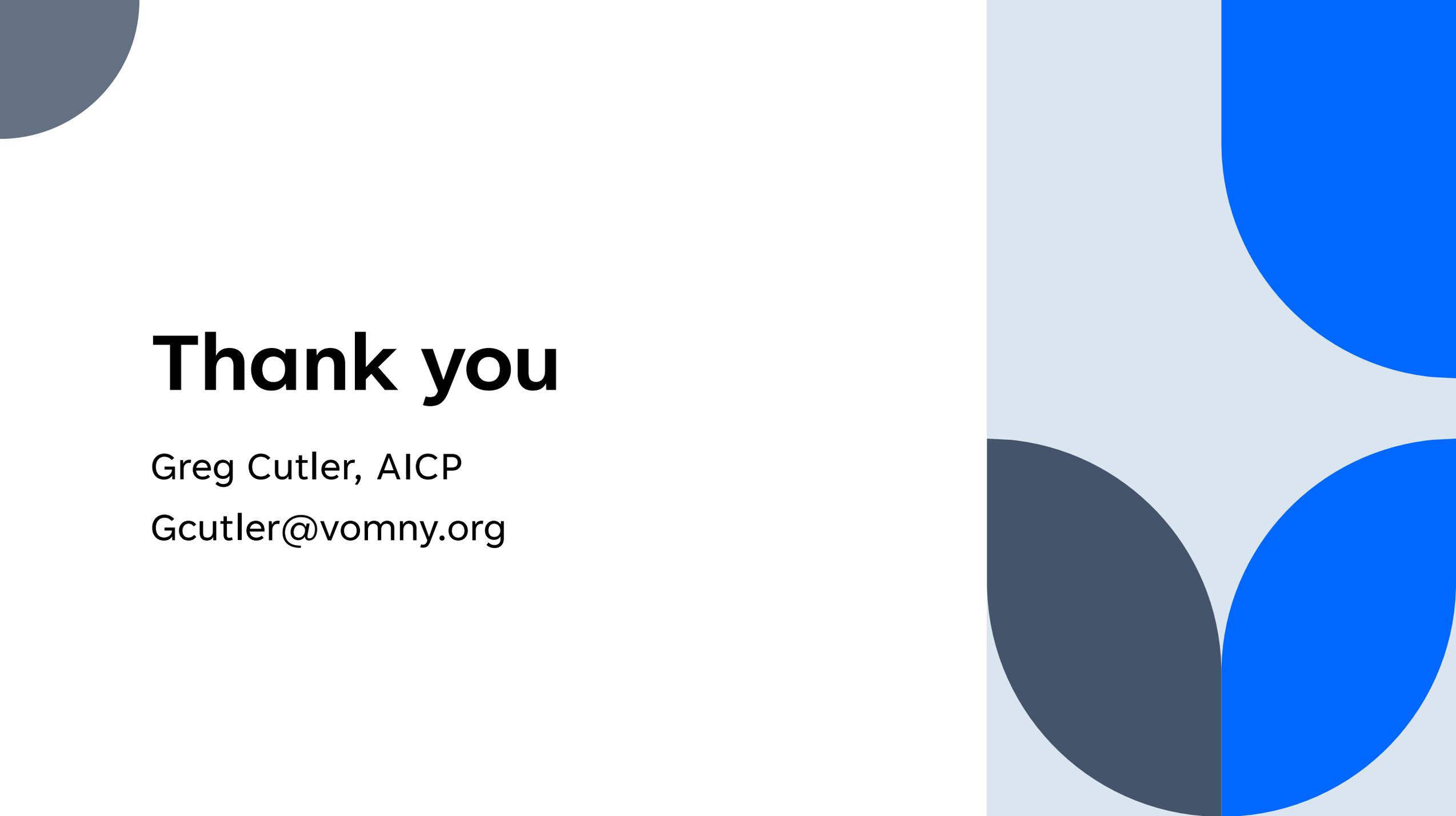
# Improving Infill Housing

Green Building Element/Infrastructure Practice	Points
Any combination of stormwater practices that attenuate peak flows to a 500-year storm as defined in Section 294-6	75
Permeable pavers, porous concrete, rain gardens not included in the stormwater calculations for Chapter 294 compliance or the 500-year storm calculation for the purpose of achieving green building elements/infrastructure points.	15
Solar Panels (minimum 10 panels)	15
Exceeding state energy code	15
Biophilic design elements as defined in Section 342-3	15
Building heated by 100 percent electric systems	15
Bicycle parking (1 space per 10 units, and 1 outlet per 2 spaces for e-bike charging)	10
Electric vehicle charging station (minimum 1 charger per 10 units)	10
Rainwater detention and reuse system or blue roof	10

# Improving Infill Housing Continued

## BIOPHILIC DESIGN ELEMENTS

Exterior design elements that incorporate natural systems into building design and building systems. Biophilic design elements include biomimicry, habitat creation, and the creation of natural landscapes. Examples include green walls, green roofs, and pollinator sanctuaries. Biophilic design is intended to embrace abundant biodiversity, improve health and well-being, improve the natural environment, create nature-based resiliency, and create a symbiotic built environment.



# Thank you

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