



# NEST

## Naperville Environment & Sustainability Task Force

Dear Developer,

The City of Naperville has made commendable progress towards becoming a more sustainable and livable community. Achievements include launching one of the country's pioneering curbside municipal recycling programs, actively participating in the Metropolitan Mayors' Caucus "Greenest Region Compact," and adopting the City's Sustainability Work Plan in 2021.

In our shared commitment to sustainable development, we urge you to consider the following strategies to create future-proofed residential projects while preserving Naperville's legacy of sustainability:

1. **Electrify Primary Space Conditioning:** Explore cost-effective and low-emission options like "Cold Climate" air-source heat pumps for primary heating and cooling in our climate zone.
2. **Prioritize Proper Insulation:** Implement insulation methods that address both conductive and convective heat loss, ensuring energy-efficient homes.
3. **Ensure Proper Ventilation:** Incorporate balanced ventilation systems, such as Heat Recovery Ventilators, to provide fresh outdoor air while maintaining indoor air quality efficiently.
4. **Plan for Electrification:** Upgrade electrical supply to accommodate fuel switching needs, future-proofing residences for the increasing trend towards electrification, including electric vehicles, induction burners, air source heat pumps and PV solar panels.
5. **Sustainable Landscaping:** Emphasize tree preservation and/or planting, native landscaping, permeable pavers, and limit dark-colored impervious surfaces to enhance ecological impact.

The NEST Building and Development Committee is available to provide guidance and assistance in your pursuit of energy-efficient, low-carbon residential development. Together, let us ensure that Naperville continues to thrive as a resilient and sustainable community, maintaining its appeal as an ideal destination for future residents.

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