



## Residential Energy Conservation

### Permit Application Requirements

Complete permit application, online or in-person

If a contractor is hired, the contractor must register and bond with the Village of Hanover Park. Include a copy of their proposal with the application. If owner is doing the work, then the owner shall provide a scope of summary, list of materials and sign an owner Affidavit.

### Construction Requirements

The building thermal envelope shall meet the following requirements of the International Energy Conservation Code as adopted by the State of Illinois and Hanover Park.

Wall insulation shall achieve an R-value  $\geq 20$  (or R-13 cavity + R-5 continuous)

Attic insulation shall achieve an R-value  $\geq 49$  (or R-38 wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves). Ceilings without attics that are less than 500 sf or 20% of the house area may have an insulation rated at R-30.

Baffles shall be installed or maintained adjacent to soffit and eave vents that maintain an opening equal or greater than the size of the vent, extending over the top of the attic insulation.

Attic access shall be weather-stripped and insulated to a level equivalent to the insulation on the surrounding surfaces.

Basement wall insulation shall be a minimum R-15 continuous or R-19 cavity.

Floor insulation for slab-on-grade or above crawl spaces shall achieve an R-value  $\geq 30$  (or insulation sufficient to fill the framing cavity, R-19 minimum).

All new windows shall have a U-factor  $\leq 0.30$

All hot water piping shall be insulated to a minimum of R-3.

Existing HVAC systems that are replaced (in whole or in part) or otherwise modified in any way shall be equipped with a programmable thermostat.

In unheated attics or crawlspace, supply duct, return ducts, or non-cooking exhaust duct shall have a minimum R-8 insulation. (Municipal Ordinance 18-21.62)

All lamps in permanently installed fixtures shall be high efficacy.

Continuously burning gas lights are not permitted.

## Inspections

A minimum of 24-hour notice is required for all inspections. To schedule an inspection, or if you have any questions, please contact the Fire Department's Inspectional Services Division at 630-823-5860.

