CASE STUDY – ALEX GOODMAN – LINDENHURST, NY
RESIDENTIAL

Stopping drafts and saving 23% on monthly energy bills

**Situation**
- Home leaked air at three times the normal rate of a home the same size.

**Solutions**
- Completed whole-house air sealing and air duct sealing
- Added insulation to walls, crawl spaces, and attic
- Fixed faulty venting of furnace flue gases and bathroom exhaust fan

**Benefits**
- Saving at least 20% on his energy bills
- Felt immediate difference, even with a mild winter
- House stays comfortable, furnace runs much less

Alex Goodman’s house was still drafty even after he had personally done everything he knew to make his home more comfortable. When he found out about home energy efficiency programs through his town, Alex contacted a participating Home Performance with ENERGY STAR® contractor to conduct a home energy assessment. The assessment revealed that Alex’s home leaked air at three times the normal rate of a home the same size.

**Keeping the heat in**
He hired the contractor to complete several recommended upgrades to address the leaks and heat loss. The contractor completed whole-house air sealing and blew insulation into all the exterior walls. Rigid insulation was added in part of the attic so Alex could continue to use a portion of it for storage. The contractor also insulated the crawl space beneath the home and sealed up ducts, so more heat could make it to the intended rooms.

The bathroom ventilation fan was reconnected to go outside instead of simply into the attic. Insulation domes were installed above canister lights and a ceiling fan to cut air seepage.

Around Alex’s furnace exhaust flue, the contractor also noticed and fixed crumbling cement, which represented a serious carbon monoxide threat.

**Feeling warm results immediately**
“Even though we had a mild winter, I noticed the difference right away,” said Alex. “I didn’t need to keep bumping up the thermostat. The house stayed warmer much longer and was definitely less drafty.”

Alex is more comfortable, and saving money. “In the past, it was a struggle to keep my home comfortable and still afford my energy bill. Now that’s a thing of the past. Every month, I’ve saved at least 20% on my bill, which is what the contractor estimated I’d save.”

— Alex Goodman, Lindenhurst, NY

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**Get started**
Visit [nyserda.ny.gov/home](http://nyserda.ny.gov/home) or call 1-866-NYSERDA to learn how you can reduce your energy consumption and costs.

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**The Goodmans**

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