

# Home Electrification

A Guide for Homeowners



conEdison

# Upgrade Your Home

# How to Start the Switch to Electric

Con Edison has created dedicated services to support and guide customers who are converting to electric.

Reach out to one of our participating contractors for help planning electrification upgrades and explore incentives that may reduce upfront costs. Our guidance is designed to help you move forward with confidence at every step.



## Find

Participating  
Contractors



## Check Out

Information on rebates  
and incentives.



## Review

Rates and compare  
rate plan options.



# What Is Electrification?

Electrification means replacing fuel-powered equipment in your home with efficient electric options.

This can include heat pumps, heat pump water heaters, induction stoves, and technologies like EV chargers, solar panels, and battery storage that can support an all-electric home. When you pair electrification with weatherization (like insulation and air sealing), you can modernize your home, use energy wisely, and enjoy reliable comfort and long-term savings.



## Common Electrification Conversions

|                  |   |                        |
|------------------|---|------------------------|
| Oil/Gas furnace  | → | Electric Heat Pump     |
| Gas Stove        | → | Induction Cooktop      |
| Gas Water Heater | → | Heat Pump Water Heater |
| Gas Vehicle      | → | Electric Vehicle (EV)  |

# Who's Who

## In Your Electrification Journey

### Homeowners

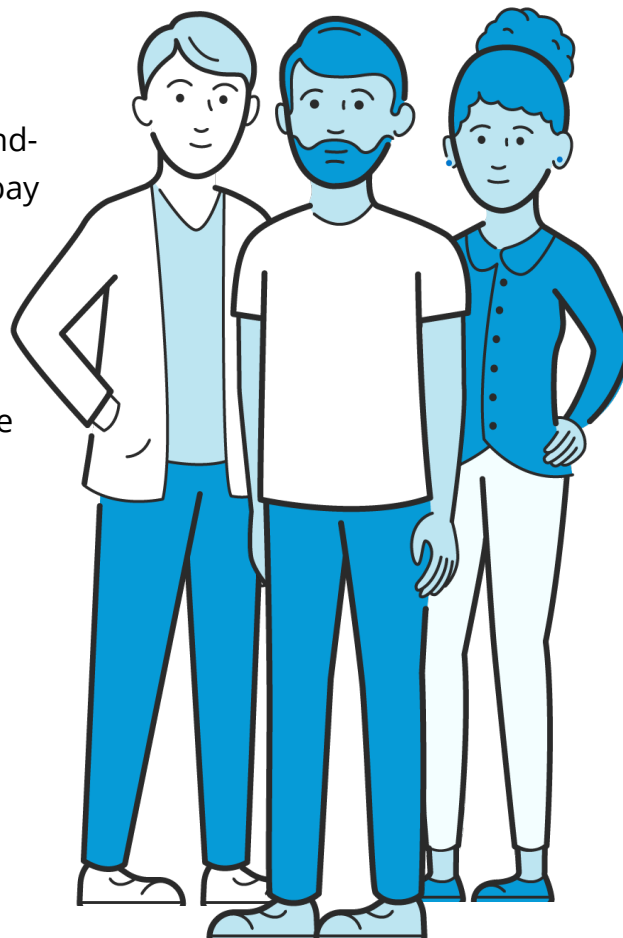
Homeowners choose upgrades and cover behind-the-meter costs. In some cases, they may also pay some front-of-the meter expenses.

### Contractors

Contractors manage the technical work. You hire them to handle documentation, secure permits, and install updates.

### Con Edison

Con Edison staff process the project application and incentive payment, ensure a safe grid connection, estimate front-of-the-meter costs, complete front-of-the-meter construction, and manage service disconnects and reconnects.



### Electrical System Definitions

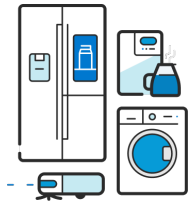
#### Front-of-the-Meter

All the Con Edison owned wiring and equipment that delivers power to homes and businesses.

#### Behind-the-Meter

All the wiring inside the home. Homeowners are responsible for any upgrades needed to support their electrification project.

# Benefits of Electrification



## Improved Comfort

Electric appliances are quieter and help keep your home comfortable all year long.

- More consistent heating and cooling
- Quieter operations
- Zoned temperature control
- Improved humidity control
- No more fuel deliveries



## Clean Living

Electric technology can support cleaner air and an overall healthier home environment.

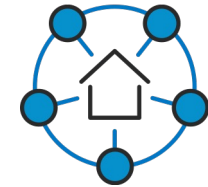
- Improved indoor air quality (no combustion indoors)
- Supporting New York's clean energy future
- Lower carbon footprint



## Energy Savings

Modern electric appliances use up to three times less energy than gas versions.

- Switching to electric could mean using significantly less energy overall
- Electric appliances can do more with less energy



## Resilience

Greater control over energy and increased reliability.

- Battery storage stores electricity so your home can run even when power is out or when demand is high
- Solar panels provide you with the ability to capture and store your own backup electricity

# An Electrified Home

Electrification can include using heat pumps, electric water heaters, induction stoves, along with technologies like EV chargers, solar panels, and battery storage. Combined with weatherization, it's a smart way to modernize your home, use energy wisely, and enjoy lasting comfort and long-term savings.

## 1 Weatherization

Maintain your home's comfort in all seasons by sealing air leaks and adding insulation.

[Make Your Home Weather Ready](#)

## Cooling and Heating Systems

Beyond replacing your oil and fuel-powered appliances with more energy-efficient technologies, electrification helps you maintain consistent comfort all year long.

A high-efficiency electric system includes:

### 2 [Air Source Heat Pump](#)

### 3 [Geothermal Heat Pump](#)

### 4 [Heat Pump Water Heater](#)

### 5 [Smart Thermostat](#)

## 6 Appliance Upgrades

Electrification brings high-efficiency products into your home, helping you cook with more precision, dry clothes more gently, and can reduce indoor air pollutants.

[Energy Exchange Program.](#)

## 7 Transportation

Power your electric vehicle with smart charging technology that works alongside your home's energy systems.

[SmartCharge New York Program](#)

## 8 Solar Panels

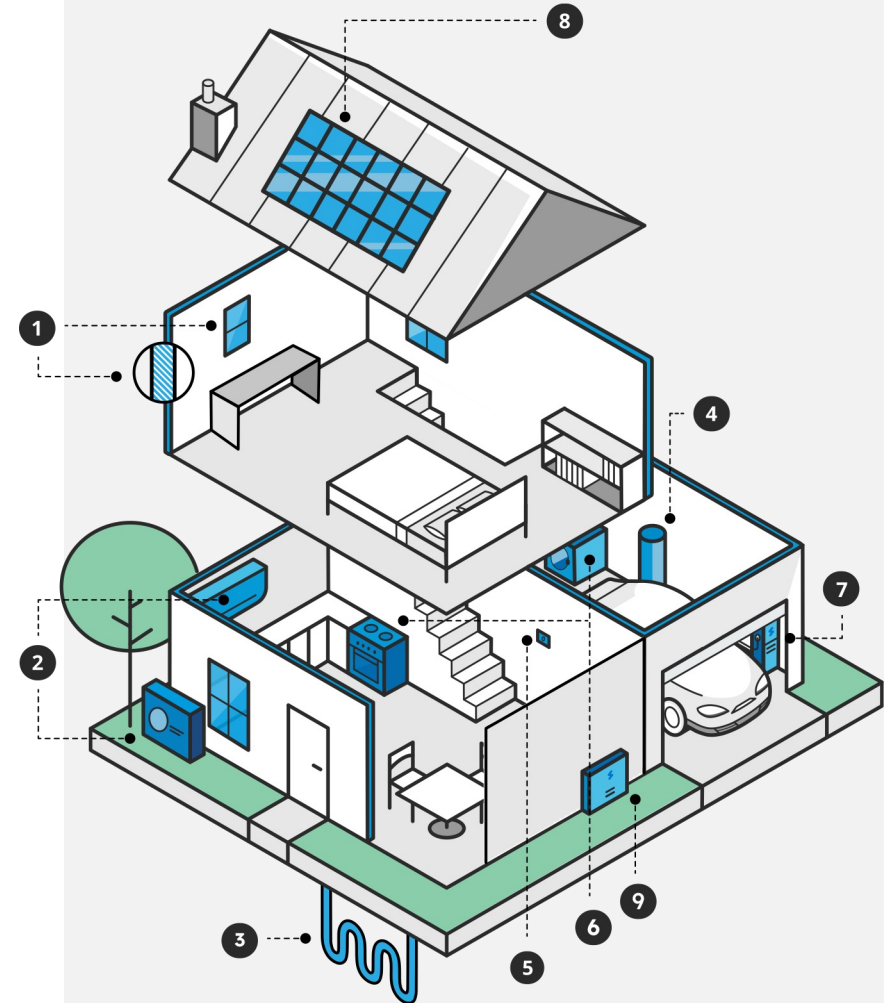
Generating your own electricity could lower your electricity costs and give you greater control over your power.

[Is Solar Right for Me?](#)

## 9 Battery Storage

Store excess energy to keep your home powered during outages and to get the most value during high-demand times.

[Introduction to Distributed Generation](#)



# Project Lifecycle

A breakdown of a residential customer's journey to electrification, including the actions needed and the responsibilities along the way.



Homeowner



Contractor



ConEd

1

## Planning



Identify the clean energy upgrades you would like to make to your home and get started by submitting an interest form to Con Edison or connecting directly with a participating contractor.

**Note:** Clean energy projects follow different paths depending on the technology and size of the upgrade. Incentivized projects or those that significantly increase electric usage may require additional review through Con Edison's Energy Services process. Smaller projects may follow a more simple path.

2

## Site & Service Review



Your contractor will visit your home to confirm the project scope and review your existing electrical set up.



Contractor determines need to submit an Electric Service Adequacy case if your current electric service cannot support the planned upgrades.

**Note:** Clean energy technologies often increase electricity use, so this step helps ensure the electric system can safely and reliably support your project before installation begins.

3

## Application & Approval



Contractor submits the required program application(s).



For some programs, approvals may include a preliminary incentive offer.



If a case is opened, a Con Edison representative reviews the project details and evaluates your service capacity. If needed, they'll note required upgrades.

Con Edison conducts an engineering review and field visit to confirm system compatibility and safety.

**Note:** Timelines can vary during this stage. Projects that involve larger electric loads or technologies may require review.

4

## Construction & Installation



Once approvals are in place, your contractor installs the clean energy equipment and completes any required panel or electrical upgrades in your home.



If utility upgrades are needed, Con Edison completes that work as part of this step.

**Note:** For many programs, new equipment cannot be energized until Con Edison confirms that all required upgrades are complete, and any interconnection requirements have been met.

5

## Inspection & Project Completion



Final inspections are completed and Con Edison issues interconnection approval or permission to operate where applicable.



If your project includes incentives, Con Edison verifies the installation and processes the incentive.

The project is closed out in Project Center or program systems.

**Note:** These final steps help ensure your clean energy upgrades are safe, compliant, and fully integrated into Con Edison's systems.

# Exploring New Rates

When you replace gas appliances with electric ones, your electricity use will change. This is a good time to look at your rate options. Con Edison offers several plans that can help you get the most value from an all-electric home.



## EL 1 Standard Plan

A simple, reliable energy plan with fixed rates for consistent billing. No peak-hour variations, making it easier to budget.

[Learn More](#)

## Time-of-Use

Save energy by shifting some of your use to off-peak hours. Rates change depending on the time of day and season.

[Learn More](#)

## Smart Energy Plan

This plan bases delivery charges on when you choose to use electricity and how much your devices use at the same time.

[Learn More](#)

## Steady Use Rate

Get rewarded for spreading your energy use out evenly over the course of the day.

[Learn More](#)

## Standby

Standby rate plans charge based on your electricity demand during set periods of each day.

[Learn More](#)

## Rate Options for EV Charging

Compare standard rates versus time-of-use rates and find out how easy it can be to save money.

[Learn More](#)

# Helpful Resources

Guidance to help you understand when and how these resources can support you during the electrification process.

View Your Energy Use  
[Con Edison Energy Use](#)

Read About Updating Service  
[Service Update Guide](#)

Visit our Project Center  
[Con Edison Project Center](#)

Explore Energy Programs & Incentives  
[Clean Energy Programs](#)

See How Heat Pumps Work  
[Residential Heat Pump Guide](#)

Find a Contractor  
[Participating Contractors](#)

Explore Rates  
[Residential Rates](#)

Earn Cash For Off-Peak EV Charging  
[Smartcharge New York Program](#)

Smart Usage Rewards for Renters and Homeowners  
[Smart Usage Rewards](#)