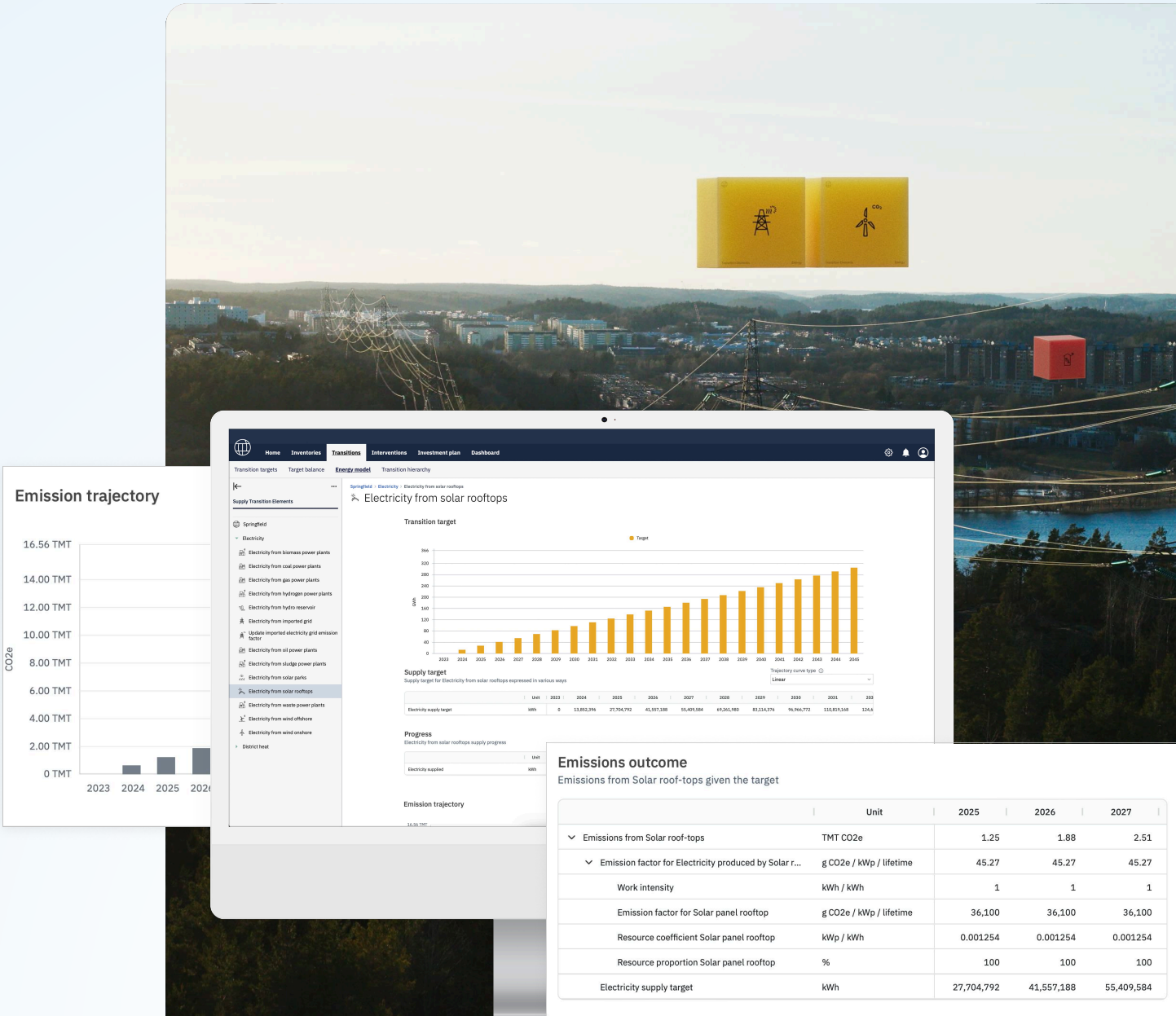# Energy Add-On

## Helps U.S. jurisdictions streamline energy-related emissions planning and scenario analysis.

Energy Add-On

Description

The Energy Add-On for ClearPath 2.0 enables U.S. local governments to perform deeper analysis of energy-related emissions, track decarbonization efforts, and assess energy transition strategies. Whereas the Core Modules allows you to describe how the carbon intensity of your electricity grid will change over time, and planning for Solar Rooftops, the Energy Add-On enables detailed energy scenarios for electricity and district heat by balancing 30+ energy sources. You will also be able to dynamically incorporate the effects of the energy scenario in your transition scenario and understand your future energy demand and supply. All this allows U.S jurisdictions to evaluate how changes in local energy consumption contribute to their broader climate goals.

Features
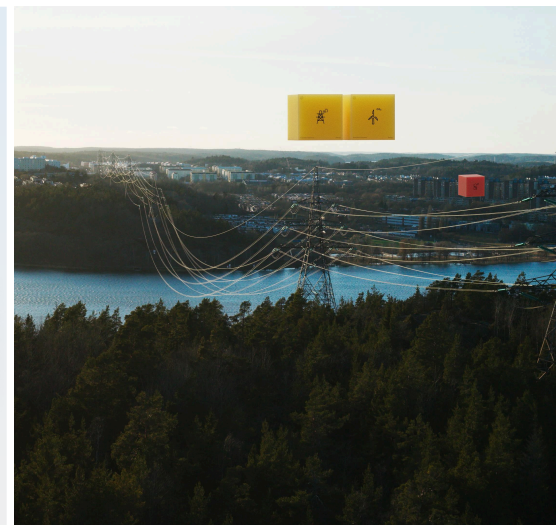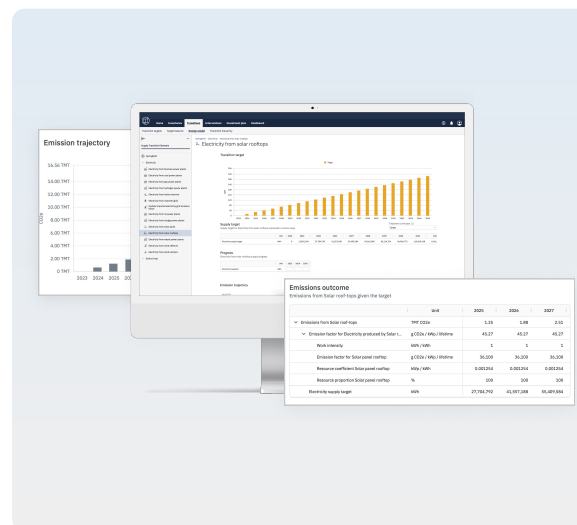
Standardized Energy Accounting
Advanced tracking of emissions from electricity, heating fuels, and local energy sources in line with greenhouse gas protocol and ICLEI USA methodologies.

Integrated with ClearPath 2.0
Expands on existing GHG inventory and forecasting tools, ensuring energy-related insights feed directly into climate action.

Scenario Planning for Energy Transition
Allows users to model how grid decarbonization from 30+ energy sources is affected by electrification, and efficiency improvements on a granular level.

User-Controlled Data Inputs
Supports custom energy data entry, beyond utility data, including local renewables, and efficiency program impacts.
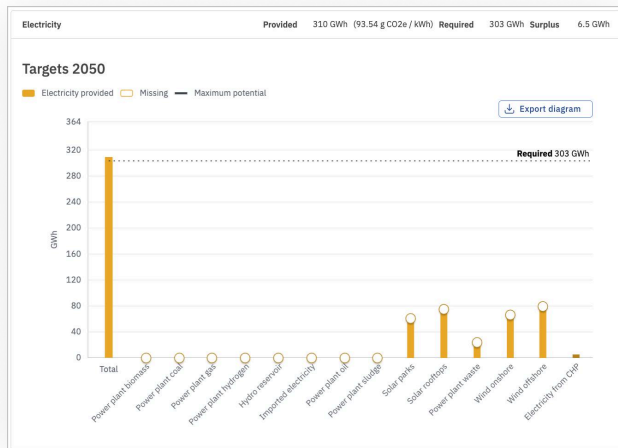
Value added

Improves GHG Forecasting Accuracy
Enhances local emissions projections with energy-specific modeling.

Supports Policy Decision-Making
Helps U.S. jurisdictions compare the effects of renewable energy expansion from 30+ energy sources, building electrification, and efficiency upgrades.

Simplifies Complex Energy Data
Translates utility data and policy scenarios into actionable insights for local governments.

Scope of Use

What it does

- Models the impact of local energy production, grid decarbonization and local energy policies on emissions.
- Supports supply and demand scenarios for electricity and district heat.
- Provides customizable energy data inputs for better local accuracy.

What it doesn't do

- Does not provide real-time energy market analysis.
- Does not generate cost estimates or financial feasibility studies.
- Does not replace direct engagement with utilities or regional grid operators.

How the Energy Add-On Simplifies the Work

- **Reduces manual data processing:** U.S. jurisdictions no longer need to compile complex energy data manually or rely on spreadsheets for scenario analysis.

- **Eliminates the need for custom tool development:** U.S. jurisdictions can avoid the time and budget needed to develop in-house energy models or commission consultant-led studies.

- **Simplifies scenario testing:** Pre-built models make it easier for staff to test and compare energy transition pathways without external expertise.

- **Minimizes data duplication:** Integrated with ClearPath 2.0, so energy data automatically connects with existing inventories and climate action plans.

- **Speeds up planning cycles:** What previously took months (or required external support) can now be completed in-house, more quickly.
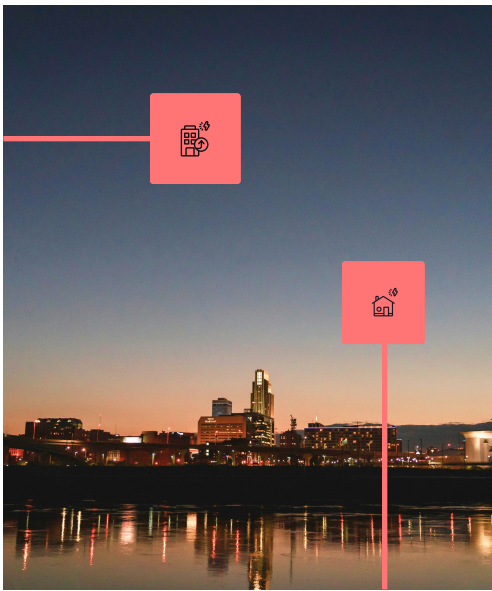
Use cases for U.S. jurisdictions

A Mid-Sized City Modeling Electrification

A local government uses the Energy Model to project changes in energy demand resulting from the transition from gas heating to electric sources
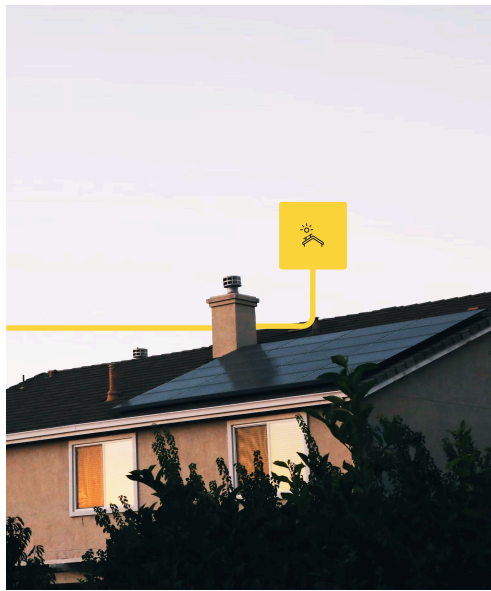
Renewable Energy Planning

In addition to solar, a city wants to track the increasing renewable energy in the regional grid and how its affecting its carbon footprint. This Add-On helps integrate future grid forecasts into its climate plan.
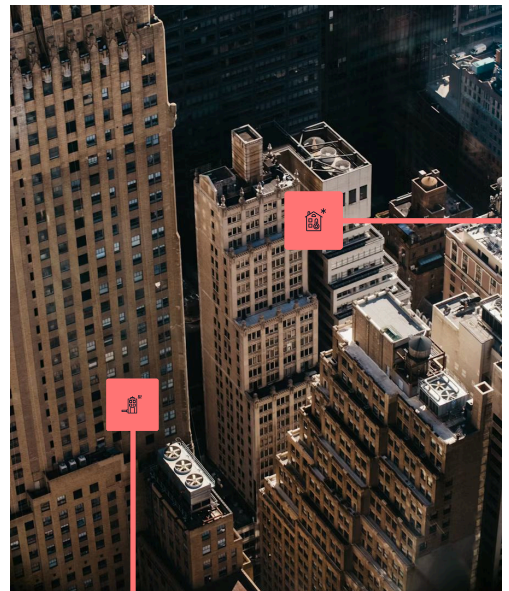
Energy Efficiency Strategy

A municipality evaluates how efficiency upgrades in residential and commercial buildings impact local emissions and energy demand.

How to get access

For ICLEI USA members, non-member licensees, or third-party representatives:
Fill out our form here

For non-members interested in membership or non-member license:
Contact us

Available to ICLEI USA Members and U.S. jurisdictions under a non-membership ClearPath 2.0 license. The **Energy Add-On** is an optional Add-On for ClearPath 2.0.

For more information visit www.icleiusa.org/clearpath-2/ or www.climateview.global