

# Brightly Stream Zero Carbon Targeting (ZCT)

## The transition to Net Zero carbon

The transition to Net Zero has arrived. Across the globe, public and private sector organizations are wrestling with how to achieve Net Zero by 2050, or sooner, to align with regulatory and stakeholder climate commitments.

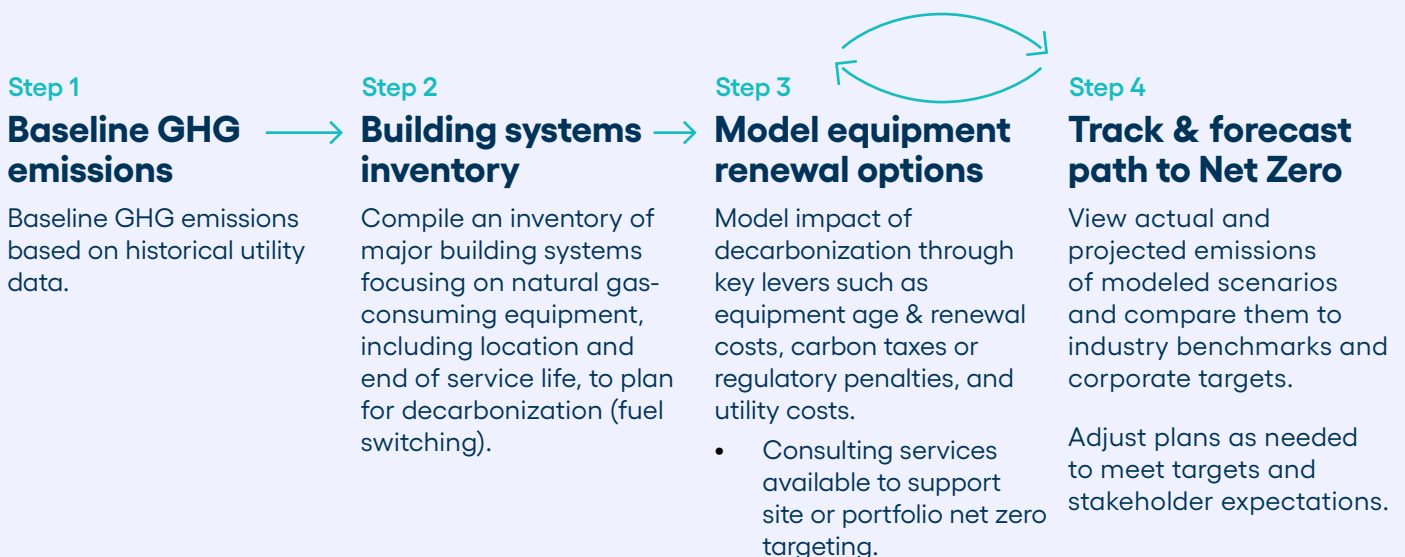
In practical terms, the transition to Net Zero in commercial real estate and facility portfolios will largely be achieved via offsets and by fuel switching: transitioning from natural gas heating to electric alternatives where (or when) grid emissions allow.

This transition will not happen all at once – decarbonization via fuel switching will require long-term, strategic capital planning to align Net Zero goals with asset strategy and fiscal responsibility. Stream ZCT provides a means for facility and portfolio managers to plan for this transition and demonstrate a path towards success.



## The path to Net Zero: taking control

Stream ZCT will leverage your data in Brightly Stream to set long-term carbon targets and take control of your Net Zero strategy by leveraging a strategic workflow and analytics functionalities, leveraging the following key steps:



## Integrated Zero Carbon decision making

The ZCT module will help you integrate zero carbon planning into your corporate workflows by tracking the key levers:

### Asset renewal planning

Step-wise carbon reductions will happen as assets are renewed at the end of service life (generally every 20-30 years).

ZCT will allow you to codify these timelines so that decarbonization opportunities such as fuel switching and on-site renewables are planned for and not missed.

### Measure option management

Structured evaluation of energy efficiency and decarbonization options inform capital planning and decision making based on cost, GHG performance and corporate net zero goals.

### Workflow approvals & notifications

Trigger tangible actions based on time until end of equipment life, and configure internal notifications and approvals so that the appropriate stakeholders and decisions makers are engaged as required.

### Analytics & performance reporting

Analyse current and projected performance and compare against regulatory requirements and stakeholder goals (e.g., CRREM).

### Emissions forecasting

Plan/forecast emissions by year to achieve your portfolio carbon target. Net Zero target based on forecasted emissions in your region.

Measure Name: Boiler plant renewal  
Measure Type: Heating Plant Upgrade  
Description:   
Building Plants: No Records Linked  
Documentation: No Documents Linked

Like-for-like x High Efficiency Upgrade x Zero Carbon Option x +

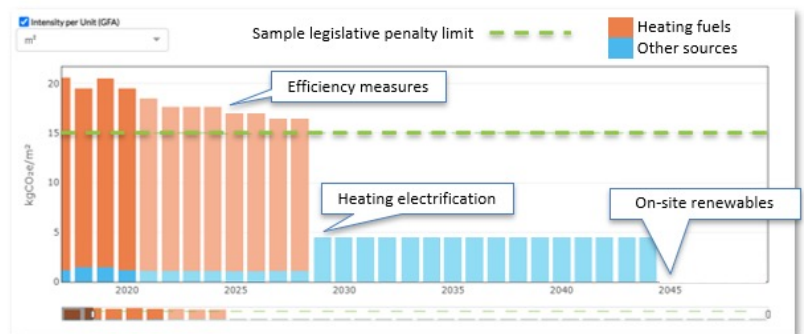
Total Annual Energy Savings: 500 eMWh  
Total Annual Emissions Savings: 440 tCO<sub>2</sub>e

Option Name: Heat pumps  
Option Type: Zero Carbon Option  
Cost: \$ 400,000  
Incentive: \$ 100,000  
Incentive Notes:   
Water: 0 CCF  
Natural Gas: 96% 9,000 GJ  
Electricity: -59% -2,000,000 kWh  
Labour/Maintenance: 0

Expected Annual Savings: 0

Delete Measure Measure last modified by You just now Schedule Measure Save as Possible Measure

Concept drawing for demonstration purposes.



Concept drawing for demonstration purposes.

## Prepare for your transition to Net Zero

Brightly's consulting engineers and sustainability experts offer services to help you plan a path to net zero such as:

- Setting portfolio-level carbon targets (including high-level budgeting)
- Site-specific Zero Carbon Transition plans
- GHG reporting