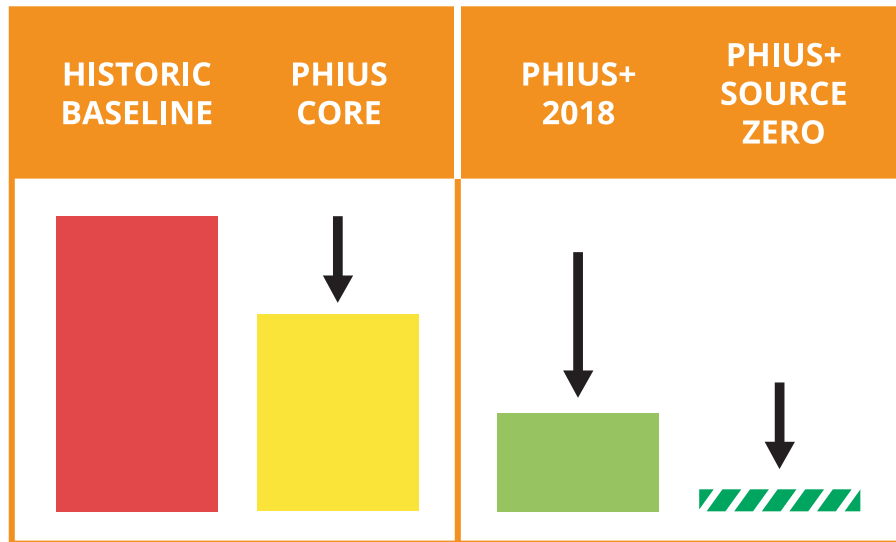


## THREE ROUTES TO CARBON FREEDOM

New certification tiers open pathways to zero energy using more aggressive energy targets, options for clean power sources, and renewable energy credits.



### 1 - PHIUS+ Core:

*Push the building and site efficiency*

US+ Core emphasizes on-site conservation and efficiency, while still allowing some of the Net Source Energy target to be met with on-site renewables.

The energy targets are per person for residential buildings and per square foot for non-residential buildings.

### 2 - PHIUS+ 2018:

*Add offsite renewables to hit 2030 goals*

PHIUS+ 2018 plots a course to carbon neutrality. The limit is based on the 'fair share' of carbon emissions/sector instead of cost optimization because at some point, cleaning up the energy supply offers much higher ROI than conservation measures.

Pushing the 30% source efficiency up to 95% efficient (as found in PV) get a lot more carbon bang for the buck. Renewable energy can be tapped a variety of sources, ranging from directly-owned systems to virtual power purchase agreements.

### 3 - Source Zero:

*Go straight to zero*

PHIUS+ Source Zero pushes past the target set for PHIUS+ 2018. To meet PHIUS+ Source Zero, the building must generate or procure as much renewable energy as it uses, on an annual, source-energy basis. To determine if a project meets this certification, determine if the total estimated annual renewable energy production, multiplied by the source energy factor for electricity, will offset the building's annual source energy use.

## BE PART OF THE SOLUTION

PHIUS certified 99% of passive house buildings in North America in 2018. EVERY certified passive project was executed by a PHIUS-trained CPHC®.