

## Stock Characterization

Establish a conditional probability distribution that describes housing technologies, structures, and occupants in the United States

## Building Energy Model Articulation

Sample the stock characterization distributions to create a set of representative synthetic buildings

## Sampling

Translate the sampled housing options into input arguments for building energy models via OpenStudio-HPXML

## Batch Simulation

Simulate all samples and upgrades with high-performance or cloud computing with BuildStock Batch and collect the output data and upload to the cloud

## Results and Publication

Format the outputs for visualization platform, aggregate key results, and publish all data on OEDI