**Energy Use Intensity** 

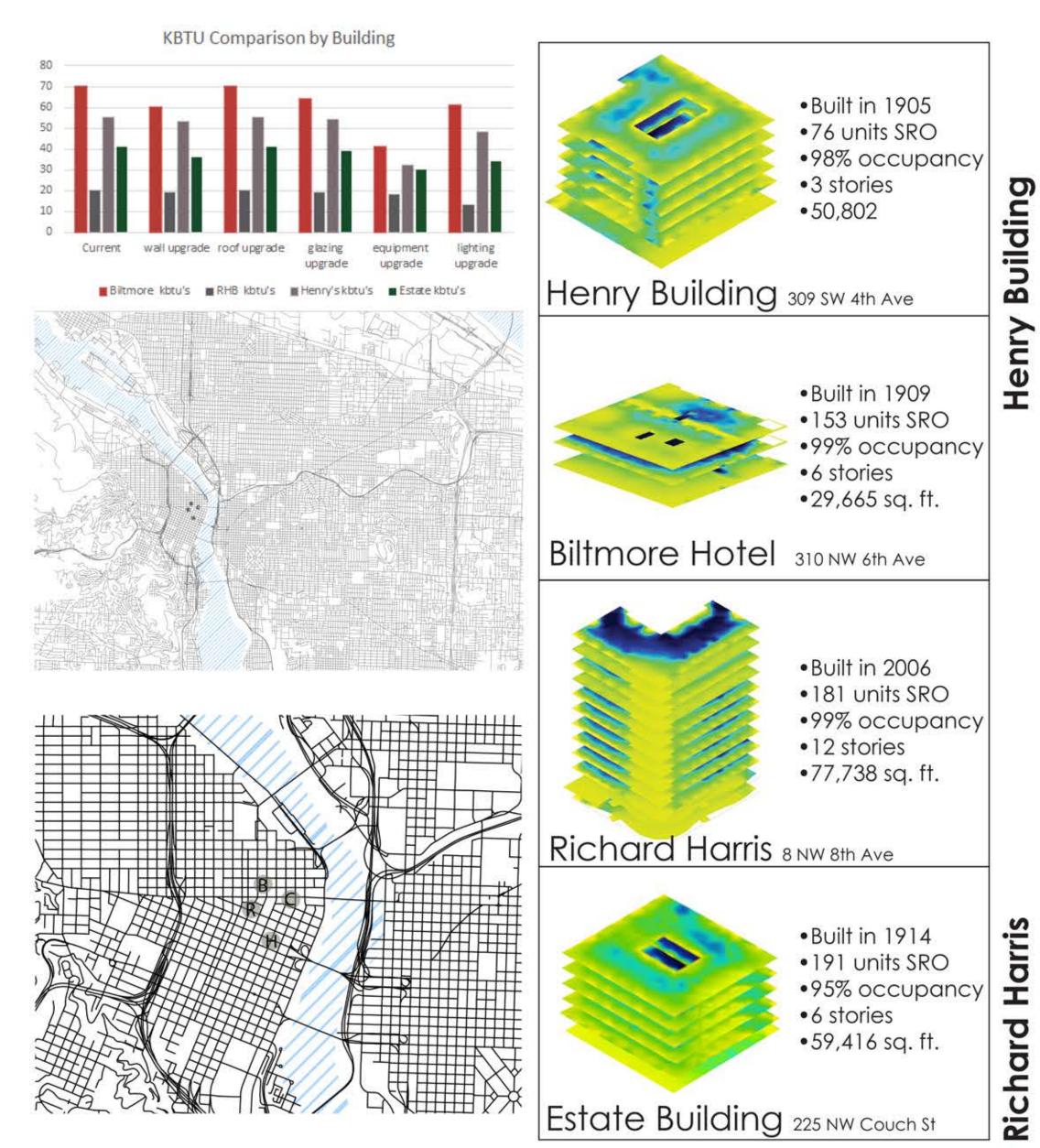
Benjamin Britt, Cheryl Leontina, Erich Raudebaugh and Joseph Wilson

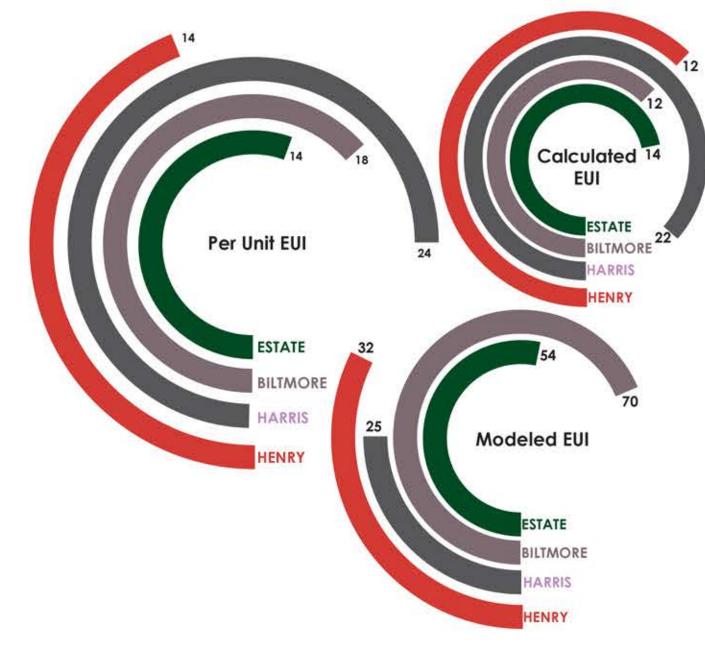
## Project Overview:

Energy assessments for four CCC buildings which represent the array of properties in their portfolio.

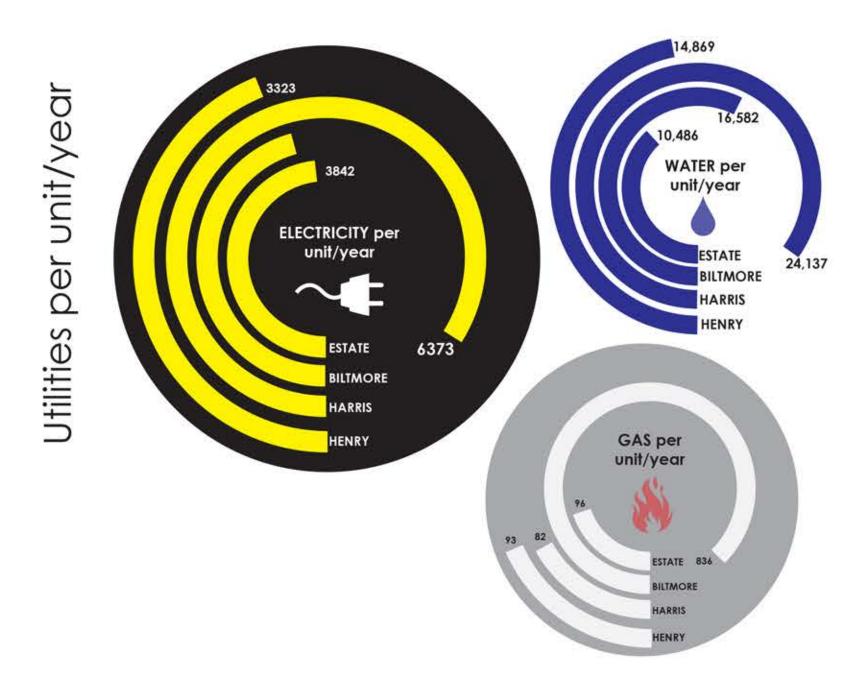
## Method:

Use thermal imaging, 3D modeling with Sefaira and data sets from WegoWise to create comparative analyses for CCC to utalize in future projects.

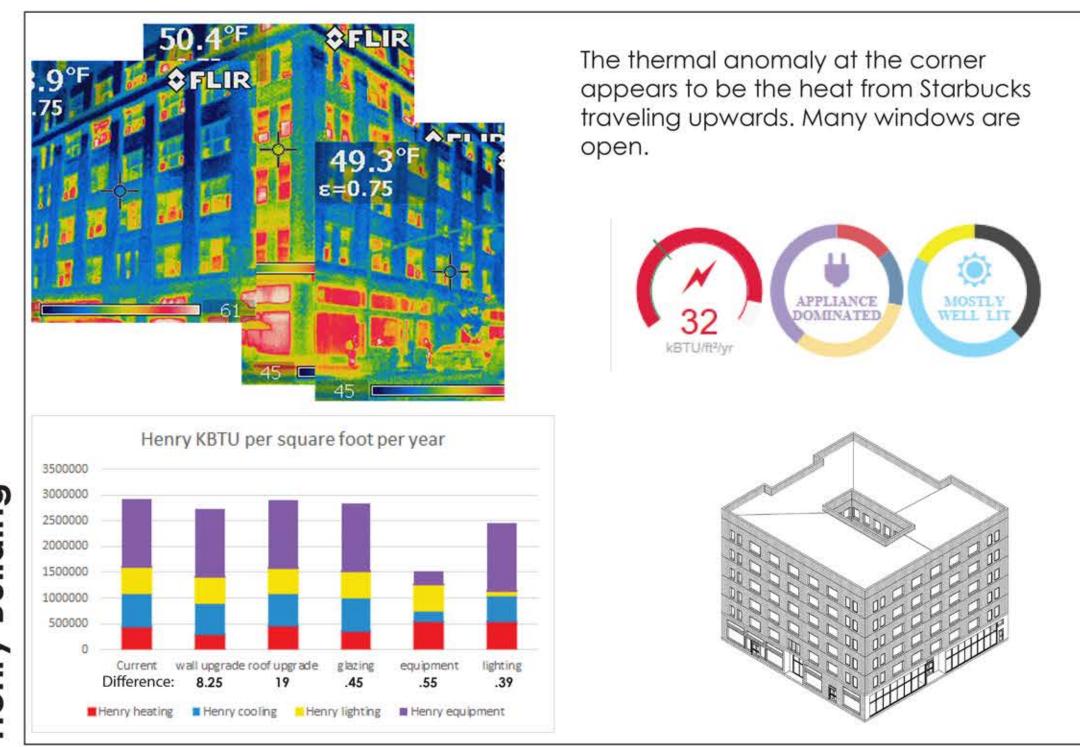




Modeled EUI's are generated by 3D software which is analyzed by Sefaira to calculate the efficency based on assumptions while the calculated EUI uses past data to get real numbers.



The Harris building is inefficient in both water and electricity use considering how new it is while the Biltmore uses the most gas because the boiler is always



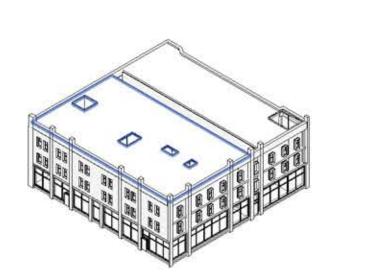


The majority of the heat loss is through the storefront windows on the ground floor, and thermal losses also occur at the floor plate.

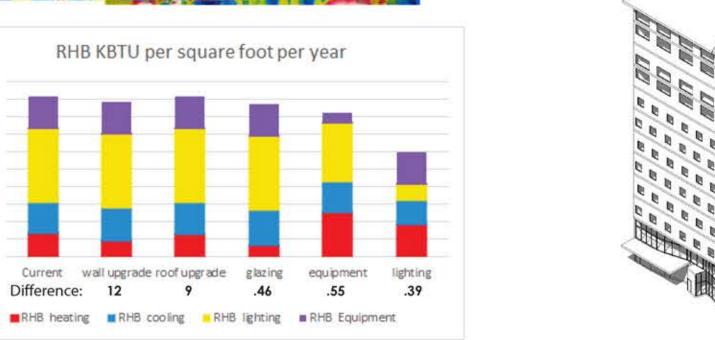




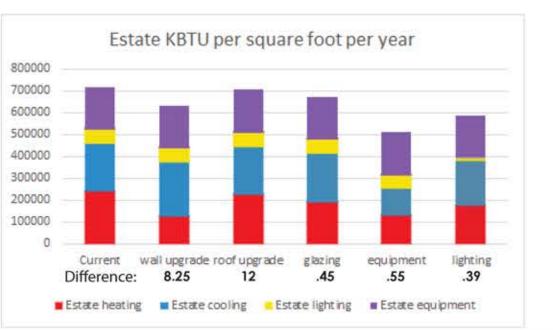












Most of the heat loss is at the ground floor due to the large single pane windows versus double pane in the SRO's.







