**Executive Summary**

We are a nonprofit research organization dedicated to developing evidence-based insights that improve people’s lives and strengthen communities. We are often asked to create affordable housing roadmaps for cities that are struggling with displacement and gentrification. Unfortunately, we lack the foundational data on the kind of buildings that currently exist in cities to effectively do this. We are asking for your help in creating a novel new dataset on building heights in American cities that will allow research organizations and cities to create data driven affordable housing plans, monitor neighborhood change, and possibly create early warning systems for gentrification and displacement. We challenge you to create a generalizable methodology that takes input satellite, LIDAR, and building footprint data, and outputs ‘predicted’ building heights.