

Powering Energy Efficiency & Impacts Framework

Project Overview

Sponsor: U.S. Department of Energy

Duration: 2 years ~ October 2016 - September 2018

Location: Edgecombe, Halifax, Nash, Northampton, and Wilson counties in North Carolina

Goals:

- Help low-income households reduce their energy burden and save money by analyzing utility data and leveraging available services and resources
- Support utilities in their efforts to more effectively design and manage energy efficiency programs to better serve their customers
- Help communities and residents benefit from energy efficiency and assistance programs offered by community service providers, utilities, nonprofits, and local governments
- Develop metrics to determine energy burden levels of individual households to help reduce energy usage and improve energy assistance program services

Method: Create a mapping database of energy efficiency and assistance programs; merge energy use information from participating utilities with publicly-available information on poverty, income, household attributes and housing stock.

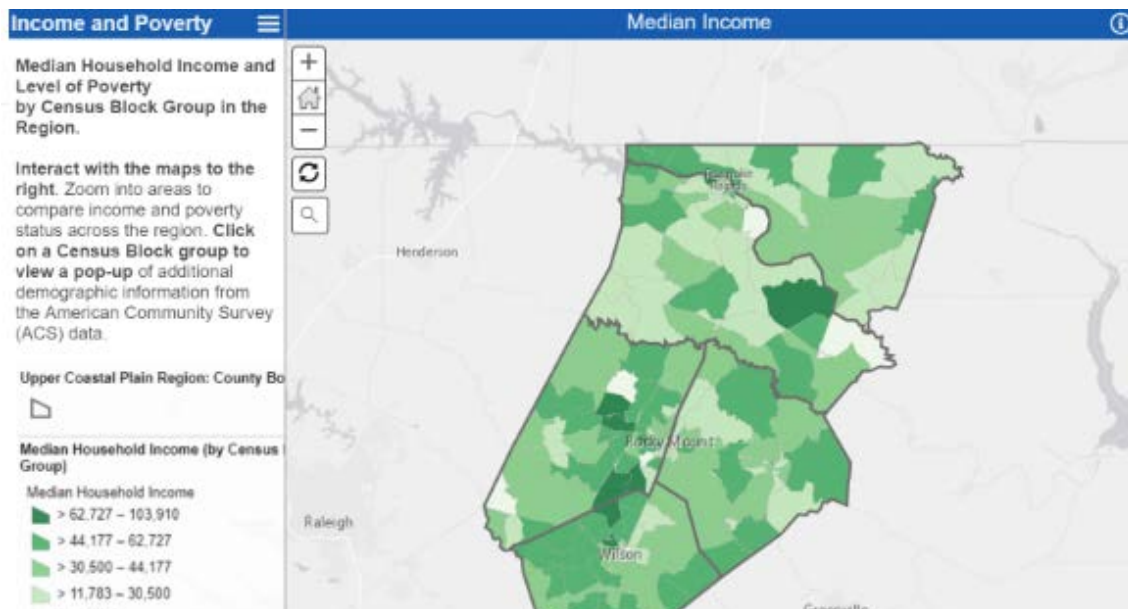


Figure 1 Income Map Screenshot from PEEIF Storybook

Data sharing partners (to date):

- NC Dept. of Health & Human Services – Low-Income Energy Assistance Program (LIEAP), Crisis Intervention Program (CIP)
- NC Dept. of Environmental Quality- Weatherization Assistance Program (WAP)
 - Regional Community Action Agencies
 - Choanoke Area Development Association, Inc (CADA)
 - Wayne Action Group for Economic Solvency (W.A.G.E.S.)
- Utilities:
 - City of Wilson Energy
 - Roanoke Electric Cooperative
 - Town of Enfield

Project Partners:

Upper Coastal Plain Council of Governments

NC Clean Energy Technology Center

NCSU Center for Geospatial Analytics

NCSU System Design Optimization Lab

NC Sustainable Energy Association

ResiSpeak, Inc.

NC Justice Center

Vermont Law School

University of South Carolina



north carolina

JUSTICE CENTER

Sponsored by: *U.S. Department of Energy*



Center for Geospatial Analytics



NC SUSTAINABLE
ENERGY ASSOCIATION



ResiSpeak



To get involved or for more information:

Anne Tazewell
NC Clean Energy Technology Center
aetazewell@ncsu.edu

Ron Townley
Upper Coastal Plain Council of Govts
rtownley@ucpcog.org