

What will volunteers do?

- On Campaign Day, volunteers will drive pre-mapped routes across Omaha's neighborhoods over three separate one-hour periods (6-7 a.m., 3-4 p.m., and 7-8 p.m.) on a hot day in early- to mid-August.
- Data will be collected using a specially designed sensor that attaches to a volunteer's car and collects the temperature and humidity throughout the route being driven.
- We're looking for volunteers to act as both drivers and navigators. Ideally, drivers and navigators would know each other and sign up as a pair, but we're happy to place people together as well

When will the heat mapping occur?

- The exact date of mapping has not been set because it depends on the weather forecast. Ideal conditions for heat mapping are hot, clear days, with no precipitation and minimal wind.
- The project team is working with the National Weather Service Omaha Forecast Office to determine the exact date. Volunteers will be notified 7-10 days prior. The target window for the campaign is early- to mid-August.

Because the exact date is not known at this time, the project team is assembling an "on-call" roster of volunteers. Participation will be confirmed approximately 7-10 days prior to the mapping date.

Requirements for a volunteer

- All volunteers will be required to sign a liability release waiver.
- Drivers will need a valid driver's license, access to a vehicle, and auto insurance.
- Navigators must be at least 12 years of age and capable of reading a map and providing directions.
- Before the campaign day, volunteers will be asked to participate in a virtual volunteer orientation, which includes reviewing a video, completing a knowledge-check, and participating in a short online training session and follow-up discussion. Based on previous campaigns, volunteers spend an average of 2.5-4 hours over three weeks, with most of the time occurring on the actual campaign day.

How will volunteer teams be selected?

- Priority will be given to volunteer teams available for all three time periods (6-7 a.m., 3-4 p.m., and 7-8 p.m.).
- Project organizers will contact selected volunteer teams in advance of the campaign day to confirm availability.

Do volunteers get to choose where they drive or help navigate?

- Most likely. Volunteers will be asked to identify their preferred driving areas once confirmed as a participant.
- We will do our best to accommodate your preference.

Will volunteers be notified when the results are made available?

- Yes! We're planning to host a community event later in the year when the results are made available.
- At the event, we'll share the final products (summary report and interactive maps), and celebrate all those who helped make the project possible.

Will volunteers get to choose who they're paired with in a car?

- Yes, volunteers have the opportunity to sign up in pairs.
- It is understandable if the volunteers are not willing to share a vehicle with someone they don't know.

Can the temperature data be collected by driving routes in anything other than a car (like a bicycle, motorcycle, or by walking)?

Unfortunately, not, for several reasons:

- All of the sensors need to be calibrated the same way, making using multiple types of vehicles or transportation modes difficult.
- Safety is also a concern. Since the campaign will likely take place on day with temperatures of at least 100 degrees and the pre-mapped routes are several miles long and must be completed in an hour, it would be dangerous for pedestrians or bicyclists to do.

How are the sensors attached to vehicles?

- Data will be collected by a sensor mounted on the passenger side of a car.
- The sensor is held in place by the window and will not damage the car.
- The sensor records the ambient temperature, humidity, and location once per second.

Are there opportunities for volunteers not interested in driving or navigating?

- Yes! There are opportunities to help staff the three Hubs where volunteers will sign in, collect/return equipment, and have access to refreshments and other giveaways.
- There will also be a limited number of cameras available for volunteers to capture video of and create web-content for the event