

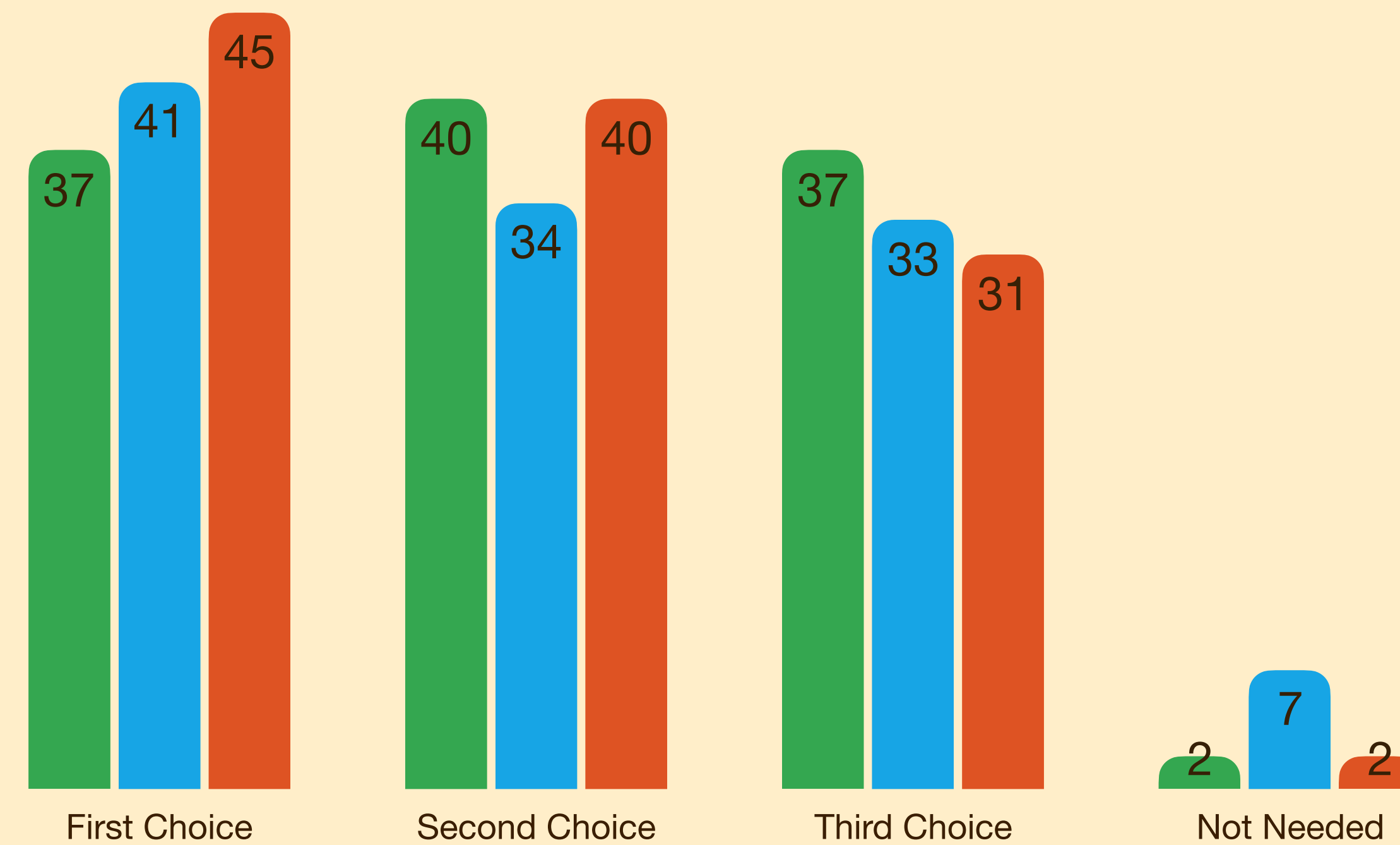
# Throwing Shade

The ASU Campus needs more trees, shade covering, and water misters

## The Problem:

- Campus is Hot
- Chronic Heat Stress (above 85°) is bad for humans
- There are not enough shaded areas on campus

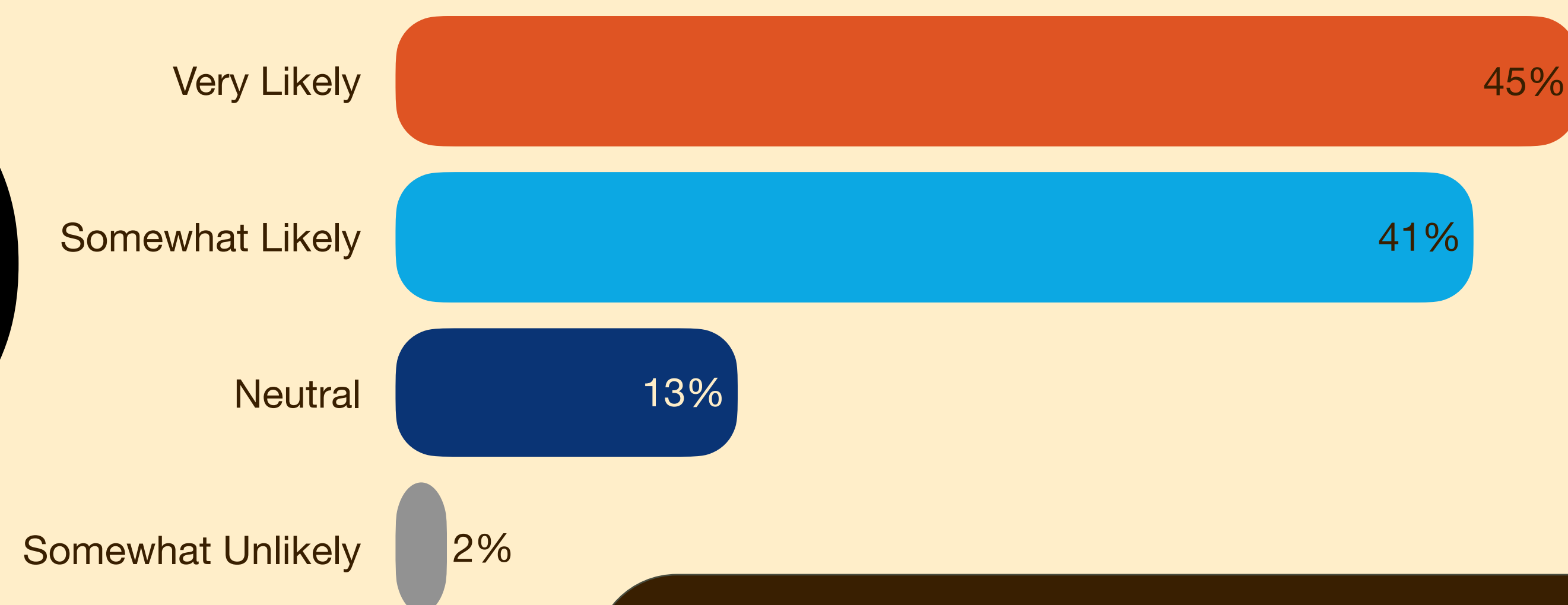
Majority of people prefer **Shade Structures** over **Trees** and **Water misters** as new heat-reducing options on Tempe Campus:



**1 out of 5** Americans develop **skin cancer** before the age of 70



People are **more likely** to go outside when shade is provided:



## The Solution:

- Install More Shade Covers
- Install Water Misters
- Plant more Trees

In 2020 there were **144 days over 100 degrees**

**“Approximately 85 °F ET causes a disruption in thermal homeostasis in adults (Hancock, 1986), indicating that exposure to chronic heat stress has real-world implications because many environments (particularly tropical and desert) exceed this threshold on a daily basis at least several months per year”**

References:  
 • Data from a survey of ASU community members 3/2021  
 • <https://www.abc15.com/news/state/phoenix-breaks-record-hits-144-days-of-100C2BA-in-a-year>  
 • <https://www.skincancer.org/skin-cancer-information/skin-cancer-facts/#:~:text=1%20in%205%20Americans%20will,for%20melanoma%20s%2099%20percent.>