



Arizona State University Community-embedded offsets

ASU goal | Achieve climate neutrality by 2025

ASU develops low-cost carbon offsets to benefit the community, enhance education and further research. The following offsets are used to address emissions that are hard to reduce or eliminate:

An innovative approach

1. Offset protocols developed by the Duke Carbon Offset Initiative, or DCOI, enabled ASU to generate offsets through an innovative cost-saving peer-review process.
2. Community Offset Bundles are verified carbon offsets from around the country, combined with local tree planting projects and developed by Urban Offsets, Inc.
3. Initial investments leveraged municipal and philanthropic dollars to plant more urban trees.

Success to date

- 201+ volunteers | 402+ hours volunteered
- 506 trees planted
- 1,700+ tons of carbon sequestered
- Fifth-to-ninth-grade urban forestry curriculum developed and piloted

Beginning in 2018, ASU's Urban Climate Lab will research how the trees affect the Urban Heat Island effect.



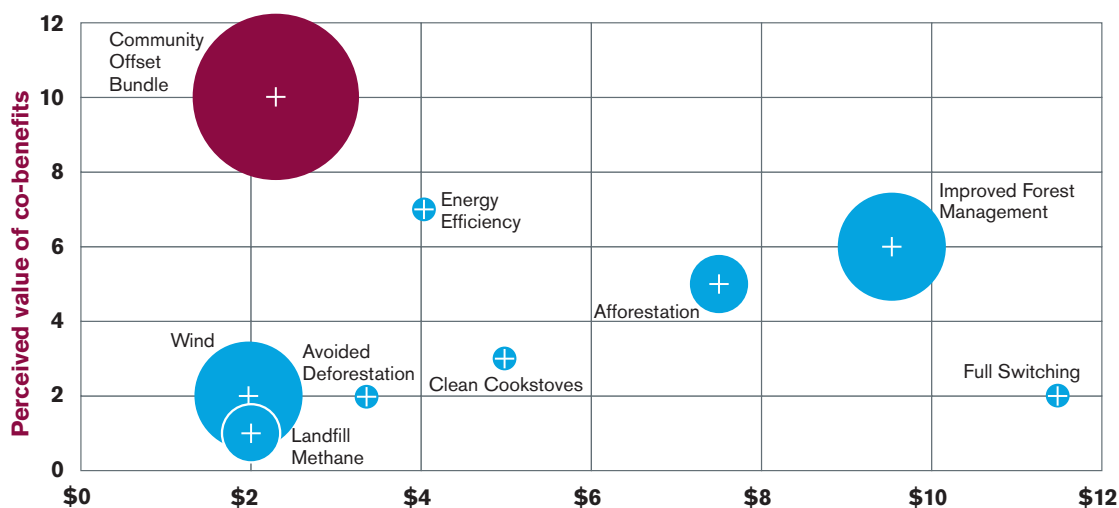
Community groups and leaders engaged

Arizona Department of Forestry and Fire Management, Arizona Public Service, Bank of America, Phoenix City Council, Tempe City Council and Mayor, Tempe Fire, Tempe Police, Habitat for Humanity of Central Arizona, Julie Ann Wrigley Global Institute of Sustainability, Walton Sustainability Solutions Initiatives, Sustainable Cities Network, Maricopa Food Systems Coalition, Mountain Park Health Center, Ramsey Social Justice Foundation, Sustainable Neighborhoods for Happiness, Trees Matter, Urban Offsets, Inc.

	Carbon offsets from the market	Community Offset Bundles
Additional environmental benefits	No, in most cases	Yes
Education opportunity	No	Yes
Engagement opportunity	No	Yes
Innovative	Some	Yes
Leveraging community partners	Some	Yes
Local benefits	No	Yes
Research opportunity	No	Yes
Supports ASU Charter	No	Yes
Verified, validated local offsets	Not available, expensive	Yes, low-cost, peer-reviewed

Carbon Offset Price | Co-benefits | Locality

Size identifies how local the project can be



Average price of carbon offsets

