

6TH ANNUAL
*Homescape
Harvest Tour*

SATURDAY OCTOBER 1, 2016

10AM - 3PM



PROCEEDS SUPPORT WMG'S GREEN-LIVING CO-OP PROGRAM

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Homescape Harvest Tour Logistics

FAQs

How does it work?

This is a self-paced tour, so you can visit the sites in any order between 10:00 a.m. and 3:00 p.m. on Saturday, October 1st. Choose the sites with your favorite features or try to visit them all—it's up to you! Explore each site for as little or as long as you'd like (within reason). Some of the houses may have pets. To avoid conflict please do not bring pets along on the tour.

How will I know I'm in the right place?

All the sites on this tour will post a sign reading: "Watershed Management Group Homescape Harvest Tour site", so you'll know you are in the right place.

What do I need to bring?

You don't need to show a ticket—but you will be asked to sign in at each site. Prepare to be outside: Bring water and a hat and wear sunscreen.

Some sites will offer light snacks, but you can plan your lunchtime stop at WMG's Living Lab to enjoy fresh eats from Purple Tree food truck under the shade of our patio.



**Take in the Tour sites by bike –
see page 22**

Are you a solar, green infrastructure, or food fanatic?

**We've highlighted these sites on separate
maps to help you shape your tour route.**



The future looks bright at sites that harvest the sun. See our solar sites on page 8.



Searching for shade on our streets? Find all the sites harvesting stormwater on page 14.



If you love a tasty harvest, check out the food lovers sites highlighted on page 19.

Watershed Management Group develops and implements community-based solutions to ensure the long-term prosperity of people and health of the environment. We provide people with the knowledge, skills, and resources for sustainable livelihoods.

Fuel up on tasty treats at the



LIVING LAB

**1137 N Dodge Blvd
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Start your Tour at the Living Lab



Peddler on the Path will be serving fresh coffee and espresso drinks from 9:30 - 11:30!

Stop by the Living Lab for Lunch



Refuel at the solar-powered Purple Tree food truck and take a break in the shade from 11:30 - 1:30!

1. Mark

This environmentally friendly estate in the foothills gets 100% of their power from the sun. Water harvesting is put to use to establish native trees and flowering plants, creating a lush and vibrant landscape. Mark says, "The entire WMG crew has provided the expertise and experience to make such a major project [transforming their foothills estate into a sustainable Eden] fun and enjoyable."

Features: Greywater, Rain gardens, Lawn replacement with native plants, Street-side stormwater harvesting, Solar water heaters, PV solar system, Native trees and habitat



2. Bill & Betsy

Bill and Betsy have been installing water-harvesting systems over the last three years at their home just north of Tucson and love to show it off to the public. The rain gardens and laundry-to-landscape greywater system installed by WMG is just a part of it. Solar and other DIY projects have transformed their home into something the neighbors talk about. Bill says, "Many of the ideas we have implemented have come from our experiences at other WMG Co-op workshops. Now our yard is a great place to enjoy a cup of coffee while reading the morning paper!"

Features: Rain tank, Rain gardens, Laundry-to-landscape greywater, PV solar system, Native trees & pollinator-friendly plants

3. Mary & Nick

This traditional 1970s foothills home is slowly being transformed into a comfortable desert oasis. Come learn about Nick and Mary's dramatic energy-savings tips through home improvements. These homeowners have significantly reduced their need for heating and cooling by selectively planting shade trees and retrofitting the home with insulating features. Solar panels installed by Technicians for Sustainability reduce electric bills, and rainwater and greywater-harvesting features designed and installed by Watershed Management Group reduce water bills. Plus, these sustainably-conscious improvements keep the native vegetation, fruit trees, critters, and homeowners happy!

Features: Rain tanks, Rain gardens, Greywater, PV solar system, Fruit trees, Shade trees, Container vegetable garden, Compost drum



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4. David



This west side home of a long-time WMG supporter and Co-op member is a showcase of sustainable desert living. With projects installed through WMG's Water Harvesting Certification Course and Co-op, a number of DIY projects, and extensive solar energy, this site is also off the water grid! In addition to all the water-harvesting features, tour participants can learn about pumping/purifying cistern rainwater, and generating electricity from the sun. David says, "I like working with WMG on projects because the projects teach other students and community participants about water harvesting - so they can do projects, too." Get to this site early and you'll be treated to solar oven mesquite chocolate chip cookies and rainwater on tap!

Features: Steel culvert cisterns, Rainwater filtration system, Outdoor shower, Kitchen resource drain greywater, Laundry-to-landscape greywater, Composting toilet, Food trees and organic gardens, Stone retaining walls for erosion control, Driveway retrofit, Native plants and habitat, PV solar system, Solar oven



Bonus: David's yard was recently recognized as an official "Habitat at Home" site by the Tucson Audubon society. Stop by to learn more about this backyard habitat recognition program, and how to make your yard more bird friendly.

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HABITAT at HOME



West



Features: Steel culvert cisterns, Ferro cement rain jar, Plastic rain tanks, Extensive rain gardens, Fruit Trees, Large food producing gardens including a greenhouse w/ a solar exhaust fan & 600-gallon aquaponic system, Chicken coop with laying hens, Desert tortoise habitat

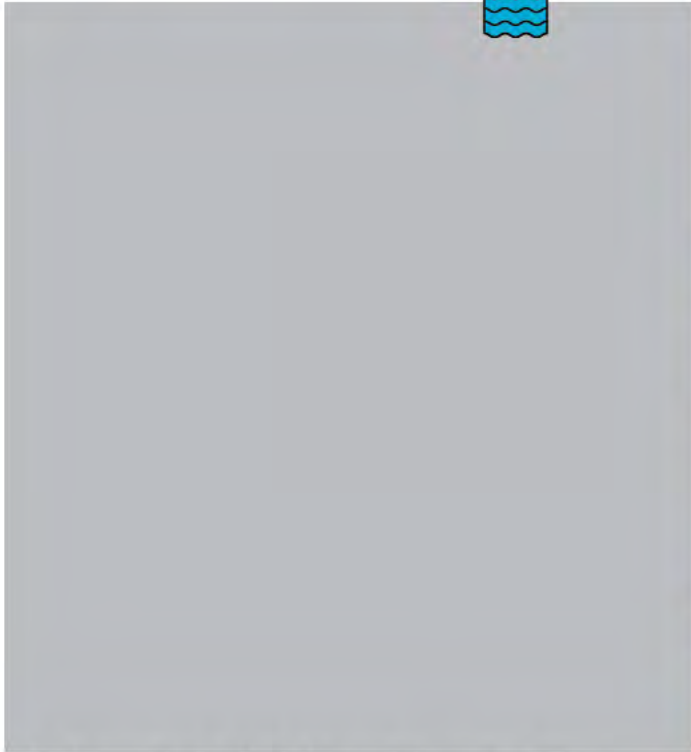


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Features: Steel culvert cistern, Rain gardens, Green infrastructure parking lot with water-harvesting basins, Native trees, One of Tucson's largest canyon hackberry trees



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7. Ted & Kathy

Through WMG's new Design Build service these homeowners developed a comprehensive plan to be implemented in stages. In phase one the homeowners capitalized on Tucson Water's rebate program to install an active rainwater-harvesting system. Rain gutters were added to the house and storage shed, and WMG's DB crew installed piping to distribute water to a 1,200 gallon tank and two large basins. With one monsoon storm and two inches of rain the tank fills completely! Through a neighborhood grant, a curb cut and street-side basin were constructed in the parking strip to supply thirsty street trees with stormwater. This site also includes swales and mulched basins to collect surface runoff and accommodate overflow. No drop of water is left behind on this site! The next phase will include a solar panel shade structure for auto parking, and completion of the landscape.

Features: Metal rain tank, Combined passive and active rainwater-harvesting systems, Native trees, Street-side stormwater harvesting with curb cut, Rain gardens



8. Martha

With big dreams and a small budget, Martha's site is a showcase for creating an urban oasis without breaking the bank. This loyal Co-op member lives out the mantra, "I do labor with my neighbor." After attending countless Co-op workshops to earn volunteer hours, Martha hosted three workshops of her own to help install a variety of passive rainwater-harvesting features. Come see the results of a true community effort, and enjoy homemade mesquite cookies with flour from the front yard mesquite tree!

Features: Rain gardens, Veggie garden basins, Greywater recycling, Native trees



Features: Steel culvert cistern, Parking lot retrofit basins, Established native trees and pollinator plants, Rain gardens

Sign up to view the maps!
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10. Kathy & Michael

These long-time WMG supporters and Co-op members had big plans for transforming their little yard. Kathy says, "The WMG staff were key players in the design and success of our backyard project. In the initial discussion, they listened to our ideas and gently made suggestions for better pollinator-attracting native plants. The grand-pets enjoy the grasses best and I love the native chiltepin." Through the Green Living Co-op Program they installed a variety of water-harvesting features including a laundry-to-landscape greywater system and two 530 gallon Bushman tanks. Earthworks were also created to catch and retain rainwater and tank overflow. This site is complete with a composting system, budding fruit trees, an array of native plants, and solar panels. Come enjoy lemonade, tea, and cookies from their rooftop porch!

Features: Rain tanks, Rain gardens, Fruit trees, Laundry-to-landscape greywater, Native plants, Compost, Solar



11. Maureen

When this midtown homeowner moved in a few years ago, she was astounded by the amount of water flowing down the street after even a small rain and wanted to capture some of it for herself! But she didn't stop with the water in her street - Maureen added earthworks in her yard and greywater to the mix too. Maureen says, "What I like best about my site is that having basins has made the rest of my yard flourish in ways that I would not have anticipated, and it costs me nothing. I do not have anything on irrigation and the trees are so full I actually have to trim them several times a year. The shade coverage is wonderful, and with the shade I get a cooler house, and more wildlife." With WMG's Co-op and rebates from our partner Tucson Water, she was able to complete projects that might have been put off until later.

Features: Rain gardens, Street-side stormwater harvesting w/curb cuts, Laundry greywater, Native trees, Solar



12. Monica & Victor

When Monica and Victor moved into their home there wasn't a plant or tree in sight - the "moonscape" yard was pure gravel. But with the help of WMG's Co-op program these homeowners transformed their yard into a rainwater-harvesting oasis! Now they have a variety of lush desert vegetation, and enjoy looking out their front window to watch the plants bloom and grow. Monica says, "I like the community involvement of Watershed Management Group, and the fact that our yard project became the work and effort of many hard-working volunteers. Somehow that makes it more special!" These homeowners are just getting started and hope to do a similar project in their backyard - including a chicken coop, greywater and rain tanks!

Features: Street-side stormwater harvesting w/curb cuts, Rain gardens, Native trees, Native plants and habitat



13. Sue

This beautiful midtown home features passive and active water-harvesting features along with a PV solar system installed by tour partner, TFS. With native plant and food gardens, an outdoor shower, solar-powered home and vehicle, and a variety of rain and greywater-harvesting systems, there is a lot going on here. Plus, you can look forward to refreshing drinks and snacks at this site!

Features: Steel culvert cisterns, Rain chain, Laundry greywater system with infiltration chamber, Rain gardens, Native trees and plants, Fruit trees, Outdoor shower, Veggie gardens, Shade trellis, PV solar system



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14. Catlow & Lisa

Come meet WMG's founders, Lisa and Catlow Shipek, and learn how they walk the talk at home. They are developing a Sonoran food forest with renewable water sources – a tall order in a yard with poor clay soil. They are constantly improving their soil with compost from the chicken coop, humanure from their composting toilet, and a urine diversion system that provides nitrogen to fruit trees. Plants are irrigated through a rain garden landscape, four rain tanks, and a variety of greywater systems – including a kitchen resource drain. Of all their features, their favorite is the solar-heated outdoor shower next to a large Meyer lemon tree.

New this year: Off-the-water-grid half bathroom as part of a home remodel and expanded front yard food production and wildlife habitat.

Features: Rain gardens, Food production, Ferro-cement cistern, Mulched driveway, Outdoor shower, Indoor & outdoor composting toilets, Kitchen resource drain greywater, Laundry greywater, Chicken coop, Compost, Fruit trees, Native trees & pollinator-friendly plants, Wildlife habitat



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15. Living Lab and Learning Center

1137 N Dodge Blvd, Tucson, AZ

Bus Route 4, 11



WMG's Living Lab and Learning Center is the cream of the crop! WMG staff and docents will be giving tours so you can learn about all the systems in detail. **Breaking news: the Living Lab is now water self-sufficient. That's right, we now have rainwater on tap and meet 100% of our indoor and outdoor water needs with rainwater.** WMG's educational center is also our office headquarters - 15 staff are on campus regularly using the composting toilet, outdoor shower, and solar oven. This office beats the pants off LEED standards! Bring kids to enjoy the Raindrop Retreat, a children's playhouse featuring a rain tank, play kitchen with greywater, and sandbox for the kids to experience. And don't forget to visit our new flock of laying hens!

Features: 10,000 gallon underground tank, plastic cisterns, Chicken coop, Composting toilet, Street-side stormwater harvesting, Native plants & habitat, Rain gardens, Fruit trees, Sonoran Food Forest, PV solar



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the Living Lab
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Hub" on the Cyclovia route!**



Features: Street-side stormwater harvesting w/curb cuts, Rain chain, Rain gardens, Monarch Waystation, Native trees and habitat



17. Grace

This midtown property serves as an example of sustainability and rainwater-harvesting in the historic Sam Hughes neighborhood. Motivated by the loss of rainwater on her site, Grace decided to install gutters and cisterns at her home in 2014. But this wasn't enough, Grace knew she wanted to retain even more water on-site so in fall 2015 she enlisted the help of WMG to continue her project. Through the Green Living Co-op, Grace installed street-side stormwater harvesting and rain gardens complete with pollinators and native plants. Grace says, "I enjoyed the volunteers, and really appreciated them because of their enthusiasm and hard work. It was a pleasure working with them."

Features: Rain tanks, Rain gardens, Catchment basins, Street-side stormwater harvesting

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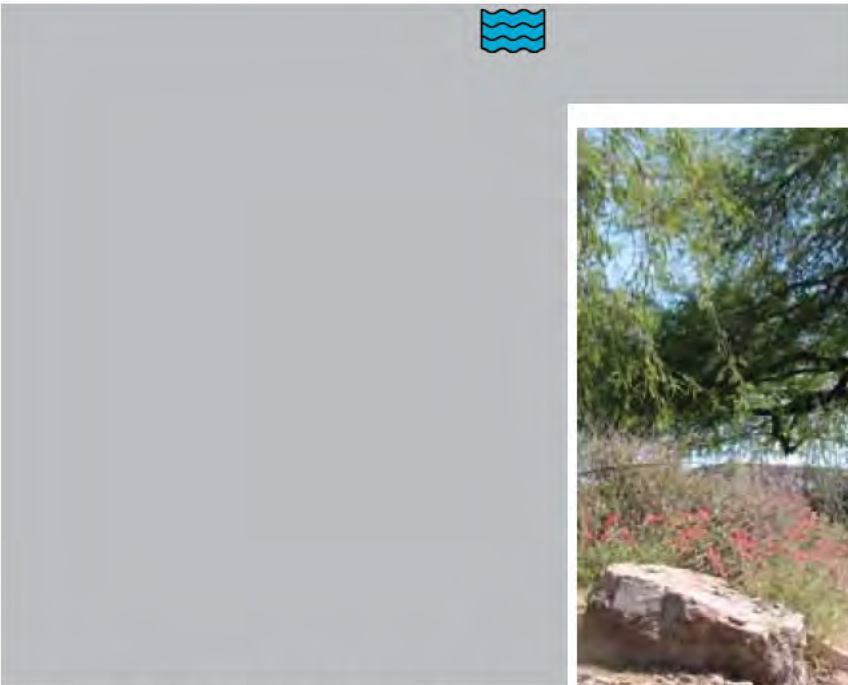
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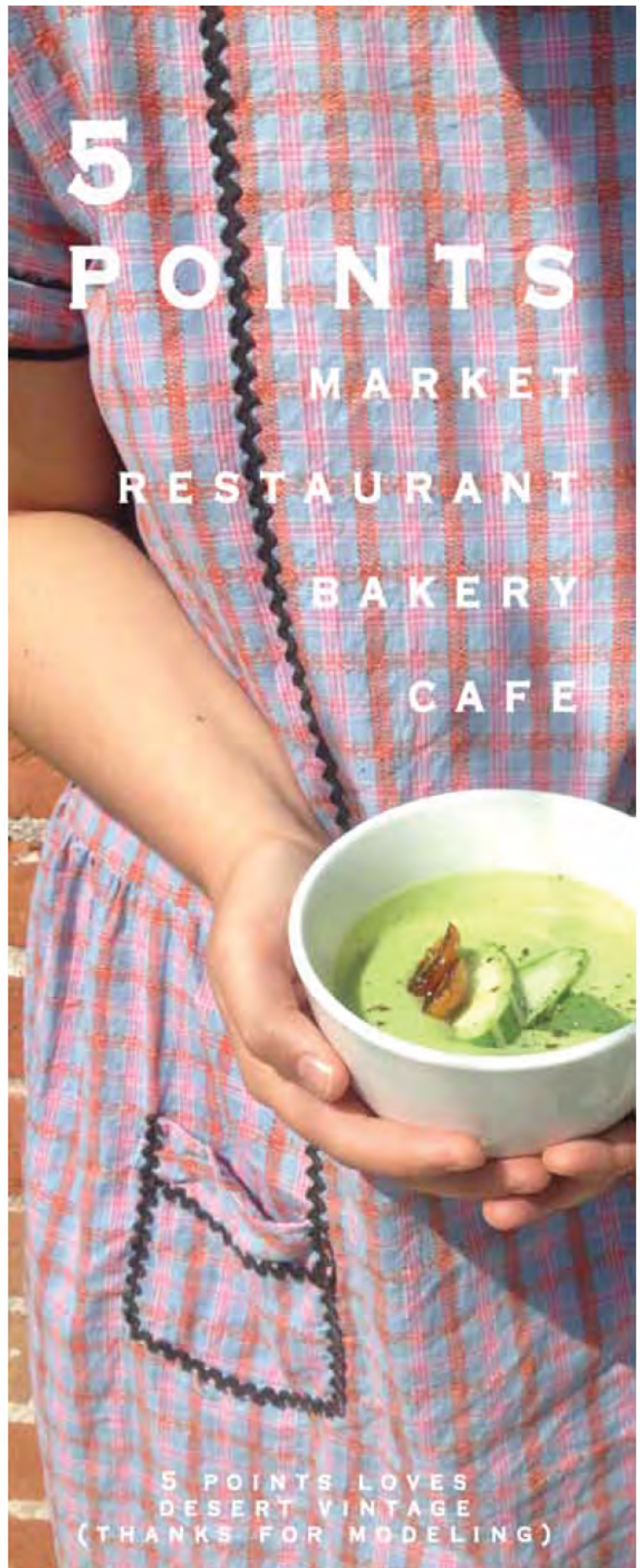
Features: Two cisterns with combined capacity of over 10,000 gallons, Earthworks to harvest thousands of gallons of rainwater, Pollinator garden, Native landscaping and habitat exhibit, Tinaja habitat, Living stream habitat



Features: 3000 gallon steel culvert cistern, Cistern-fed irrigation system, Earthworks terraces, Monarch Waystation, Green infrastructure parking lot w/ curb cuts, Native shade trees



Features: Steel culvert cisterns, Rain gardens, Street-side stormwater harvesting, Greenhouse, Vegetable terrace gardens, Greenhouse, Aquaponics, Seed bank, Compost, Earthworms, Chicken coop, Bee house, Solar



21. Joaquin and Christian

WMG's Cultural Ecologist, Joaquin, and WMG supporter, Christian, are excited to join the tour for the first time! Joaquin and Christian love to watch the rain "do it's thing" on their site as it slowly spreads and infiltrates into their rain gardens. These homeowners have seen their landscape come to life with the installation of passive water-harvesting systems, and they are passionate about educating others. Additionally, these wildlife enthusiasts have installed a pollinator garden to increase monarch habitat in the Sonoran Desert. Joaquin says, "It's been great to see the full monarch life cycle from larvae to pupa to butterfly, right in front of the house." In the backyard you can explore their vibrant chicken coop and straw-bale seating area. Arrive early and you might receive a fresh egg!

Features: Rain gardens, Street-side stormwater harvesting, Integrated passive water-harvesting, Fruit trees, Native plants and habitat, Chicken coop, Straw-bale benches



 *Food Lovers*

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watershedmg.org/hht2016

22. Amy

Situated in the historic San Clemente neighborhood, this site is a beautifully well-rounded showcase of sustainable desert living. The transformation on this site began with reclaiming an oversized driveway for rain gardens and native habitat. With the help of WMG staff and volunteers, the front yard is now a desert oasis complete with pollinator gardens, natural rock work, and a variety of earthworks features. Don't miss out on the other water-harvesting features on-site including two rain tanks, a laundry-to-landscape system, and raised bed vegetable gardens. This site has it all!

Features: Rain tanks, Laundry-to-landscape greywater system, Rain gardens, Fruit trees, Raised bed veggie gardens, Pollinator gardens



23. Chris & Emily

Help celebrate the one year anniversary of this site's transformation! Nearly a year ago, these homeowners decided to undergo a yard overhaul complete with street-side harvesting, native landscaping, and water harvesting. Through a collaborative effort of friends and WMG staff and volunteers, the homeowners have accomplished a lot. Chris says, "The workshop at our house was extremely productive as we planted all of the new flora (135+ plants) within the boundary of the new masonry wall. We also installed several hundred feet of drip irrigation and the laundry-to-landscape system. WMG provided us exceptional value from the design phase right through to the implementation of our project." Check out this flourishing young site and get some ideas for your own home!

Features: Street-side stormwater harvesting, 5 curb cuts, Laundry-to-landscape greywater system, WMG-inspired masonry wall, Native plants



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Join a guided bike tour!

Troy Neiman from BICAS is leading cyclists on a tour to select sites this year.

For a 15-mile route,

meet at BICAS (near Stone and 6th) at 10am. The bike tour will visit 5 sites and break for lunch at WMG's Living Lab - bring your own or visit the food truck we'll have on site.

The bike route will end back at BICAS. For a bonus stop, you may continue on to Manzo Elementary on the west side or visit other tour sites on your own.



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