

Environmental Stewardship Advisory Committee (ESAC)

January 31, 2019



WELCOME

Agenda Item	Presenter	Time
I. Welcome and Approval of Minutes	Mary Priddy & Monica Lopez Magee	5:30 - 5:40
II. Public Comments	Citizens	5:40 - 5:50
III. Remarks	Matias Segura	5:50 - 6:10
IV. Austin's Cities Connecting Children to Nature Initiative [DC4]	Melody Alcazar & Jaime Zaplatosch	6:05 - 6:35
V. Action Area Updates	Subcommittee Chairs^	6:35 - 7:15
VI. Subcommittee Planning	Subcommittee Chairs^	7:15 - 7:25
VII. Requests for Future Meeting Topics	Mary Priddy	7:25 - 7:30



2018-2019 Bright Green Future Grant Recipients

- Students at the **Liberal Arts & Sciences Academy (LASA)** will photograph the night sky from varying points around campus to measure and contrast light levels. This **Light Pollution Survey** will provide the foundation for establishing outdoor lighting standards for AISD facilities.
- Students implementing the **Digital Tree Monitoring Project** at **Chaparral Star Academy** will create a solar-powered network of digital environmental and soil sensors around campus to collect and report data that will inform efficient ways of watering and caring for trees.
- A **Wind Turbine Garden Project** at **Round Rock Opportunity Center** will use clean wind energy to power a water-wise drip irrigation system to water their community garden.
- **Small Middle School** will partner the Austin Fire Department with teachers, students, and their families to design a **Firewise Demonstration Garden** that reduces the risk of wildfire.
- **Cycle Academies** improve air quality, reduce greenhouse gas emissions, and improve health by getting kids out of cars and onto bikes. These academies will teach students about bike safety and maintenance at **Brooke, Harris, Hart, Houston, Langford, Perez, Rodriquez, Sanchez, and Zavala Elementary Schools; Kealing Middle School; and Eastside Memorial High School.**
- **Partners for Education Agriculture and Sustainability (PEAS)** will provide gardening and outdoor science lessons at **Barrington, Blackshear, Boone, Brooke, Metz, Pease, River Oaks, and Winn Elementary Schools.**



- **Rain Garden Projects at Barrington, Kiker, Mathews, Perez, River Place, St. Elmo, Sunset Valley, Wieland, Williams, Wooldridge, and Zilker Elementary Schools; Magnolia Montessori; Fulmore Middle School; Harris Early College Prep; and the Forbes Child Development Center** will conserve water, provide education about native plants, and minimize soil erosion.
- **Maplewood and Summit Elementary Schools, and Athena Montessori** will plant and maintain a **Wildlife Garden** that provides habitat for a variety of native pollinators and birds.
- Growing vegetables in school gardens at **Austin Achieve, Caraway, and Ortega Elementary Schools; Del Valle Opportunity Center; Valor Public Schools; Whole Life Learning Center; Hernandez Middle School; and Sci-Tech High School** will help students learn about healthy food options while reducing the carbon impact of transporting vegetables from farm to grocery store to table.
- At **Andrews, Kocurek, Anderson Mill, Caraway, Ridgetop, Boone, Spicewood, and Mathews Elementary Schools; The Headwaters School; Texas School for the Deaf; Travis County Juvenile Justice Center; Austin Montessori; and St. Andrews Episcopal School**, students will disconnect from screens and reconnect with nature in **Outdoor Classrooms** shaded by new trees. Research has shown that children who spend some time outdoors each day are healthier, happier, and perform better academically.
- Students at **Boone, Redeemer Lutheran, and Lee Elementary Schools** will raise awareness about the impact of plastic on the environment through the "Pledge to Go Plastic Free" recycling campaign, and installation of water bottle refilling stations on campus.



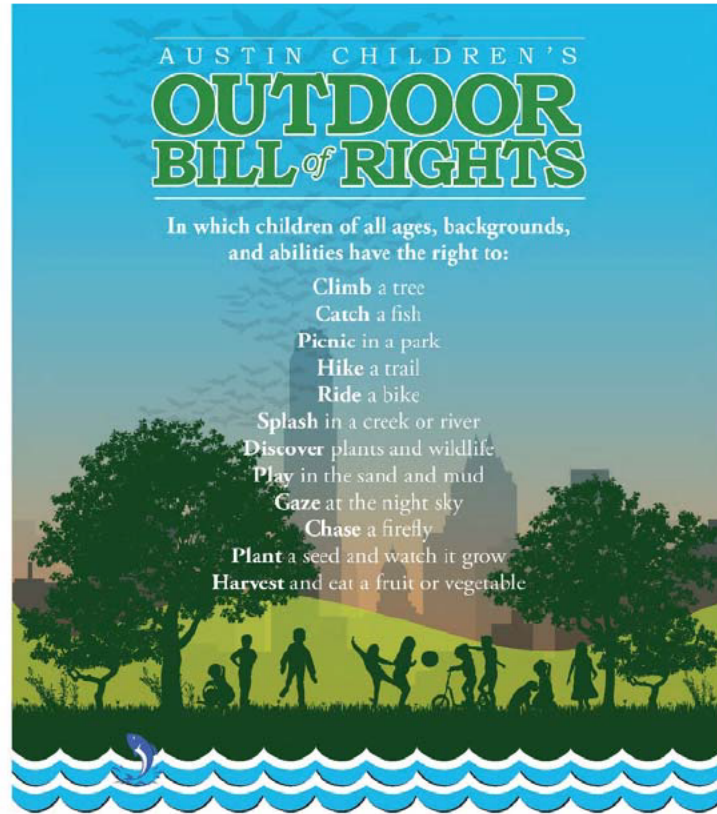
Austin's Cities Connecting Children to Nature Initiative



AUSTIN CHILDREN'S
**OUTDOOR
BILL of RIGHTS**

In which children of all ages, backgrounds,
and abilities have the right to:

- Climb a tree
- Catch a fish
- Picnic in a park
- Hike a trail
- Ride a bike
- Splash in a creek or river
- Discover plants and wildlife
- Play in the sand and mud
- Gaze at the night sky
- Chase a firefly
- Plant a seed and watch it grow
- Harvest and eat a fruit or vegetable



Understanding that research shows children who learn and play in nature are healthier, happier and perform better in school, we enthusiastically support this Children's Outdoor Bill of Rights.

Learn more at www.austintexas.gov/ccn



Published by Melody Parks Alcazar (9) · October 22 at 2:00 PM ·

"For my part I know nothing with any certainty, but the sight of the stars makes me dream."
-Vincent Van Gogh



810
People Reached

37
Engagements

Boost Post



Marketing Efforts

Fall 2018 APH Media Buy

- Promoted health via Nature Rocks on PARD FB, 2 Latino radio stations
- 6.25% increase in views between promotional period and same time frame previous month
- 86% increase in views between promotional period and same time frame last year

Fall 2018 Social Media Campaign

- Total Facebook Reach:
 - Reach: 13636
 - Engagement: 820
 - Reaction/Comment/Share: 297
 - Clicks: 391
- Total Twitter Reach:
 - Impressions: 3577
 - Total engagements: 33
 - Likes: 9
 - Retweets: 9
- Double-triple increase in activity on Nature Rocks compared to same time period last year

MAINTENANCE ADDENDUM

Turf Maintenance

The Parks and Recreation Department shall provide turf maintenance on all open areas being utilized by the department's program. A joint agreement on turf watering and litter control should be reached which could be applied equally to each area by the administration of the School District and the City. Future joint use areas should have automatic irrigation systems to reduce man-hour cost to both entities.

Equipment Maintenance and Use

Playground equipment and other outdoor facilities (i.e., play courts, bike racks), shall be maintained by the entity which constructs the facility. Each entity should investigate the joint use of specialized equipment, such as tree moving machines, stump cutters, and other heavy equipment.

Building Maintenance

The using entity shall have the responsibility to insure that all repairs to a joint use building involving security to the portion of the building being used are made prior to the close of any programmed use. Routine maintenance and repair shall be performed by the owning entity.

Excessive Maintenance

Excessive maintenance due to vandalism or abuse should be the responsibility of the entity responsible at the time of the abuse.

Lawns

1. Definition

Surface layer of vegetation that is either grass or ground cover, excluding meadows, grasslands, rain gardens, and other elements described in this agreement. Does not include athletic fields.

2. Design Standards

- Encourage naturalized areas and groundcover (not turf grass) to reduce the need for irrigation and mowing. Refer to the AISD Project Manual for a list of acceptable ground cover plants.
- If installing irrigation, include irrigation or submeter to avoid wastewater fees. Only use irrigation for the maximum 90-day establishment period. If irrigation is required, use City of Austin municipal reclaimed water for irrigation.

3. Maintenance Responsibilities

- AIISD shall maintain all lawns on all undivided interest properties with the exception of Kealing. Lawns shall be maintained on a level 3 to 4 (blow/clear clippings, edging/line trimming, mow). Property fronts are edged at 90 degrees, backs are edged at 45 degrees. Clippings shall be mulched and left on-site.
- AIISD custodians shall be notified in advance of mowing to pick up trash.
- If irrigation is installed, AIISD will cover the cost of water. custodial staff shall perform daily visual inspection of irrigation system during the maximum 90 day establishment period, and report any leaks via work order. AIISD will arrange for and cover the cost of repair.

Meadow/Native Grassland

1. Definition

Any area dedicated to native grasses and wildflowers. Prairie communities with a significant wildflower component can be aesthetically pleasing and provide habitat for other pollinators including monarch butterflies.

2. Design Standards

- Area perimeter shall be clearly defined by a physical edge (rope, timbers, natural features, decomposed granite, paver stones, etc.) and/or 5 feet mowed buffer. No metal edging shall be used.
- Meadows and native grasslands shall be sited at a distance greater than 25 feet from any building or outbuilding.
- Water and irrigation shall not be installed.

3. Maintenance Responsibilities

- City of Austin Watershed Protection Department shall provide interpretive signs in strategic locations to educate both the public and students about wildflower meadows and their importance. AISD grounds department shall install the signs. City of Austin Watershed Protection Department shall replace any signs that become damaged, faded or vandalized.
- AIISD shall maintain all meadows/native grasslands: on all undivided interest properties with the exception of Kealing. Mowing shall be performed by in agreement with the Lady Bird Johnson Wildflower Center recommendation for mow periods after spring flowers have set seeds (mower deck set to 6-8 inches); an additional optional winter mowing can be

Green Schoolyard

Multifunctional school grounds designed for and by the entire school community that include places for students, teachers, parents and community members to play, learn, explore and grow. During out of school time, green school yards are ideally open for public use and enjoyment.

**School primary user*



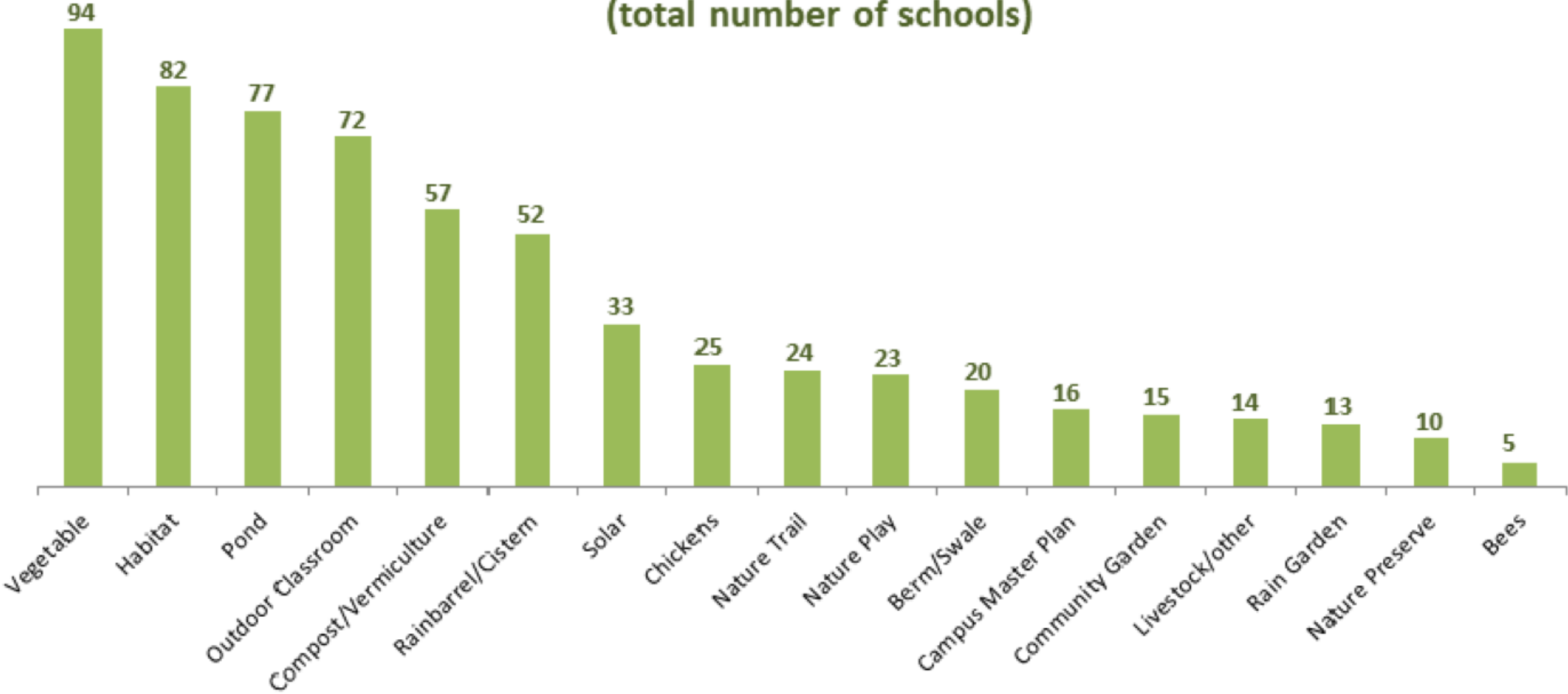
Green School Park

Multifunctional school grounds that are rooted in nature-based features. These spaces are designed for and by the entire community that include places for students, teachers, parents and community members to play, learn, explore and grow. During out of school time, green school parks are open for public use and enjoyment.

**Equal use by school and community*



AISS SCHOOLYARD HABITAT FEATURES (total number of schools)



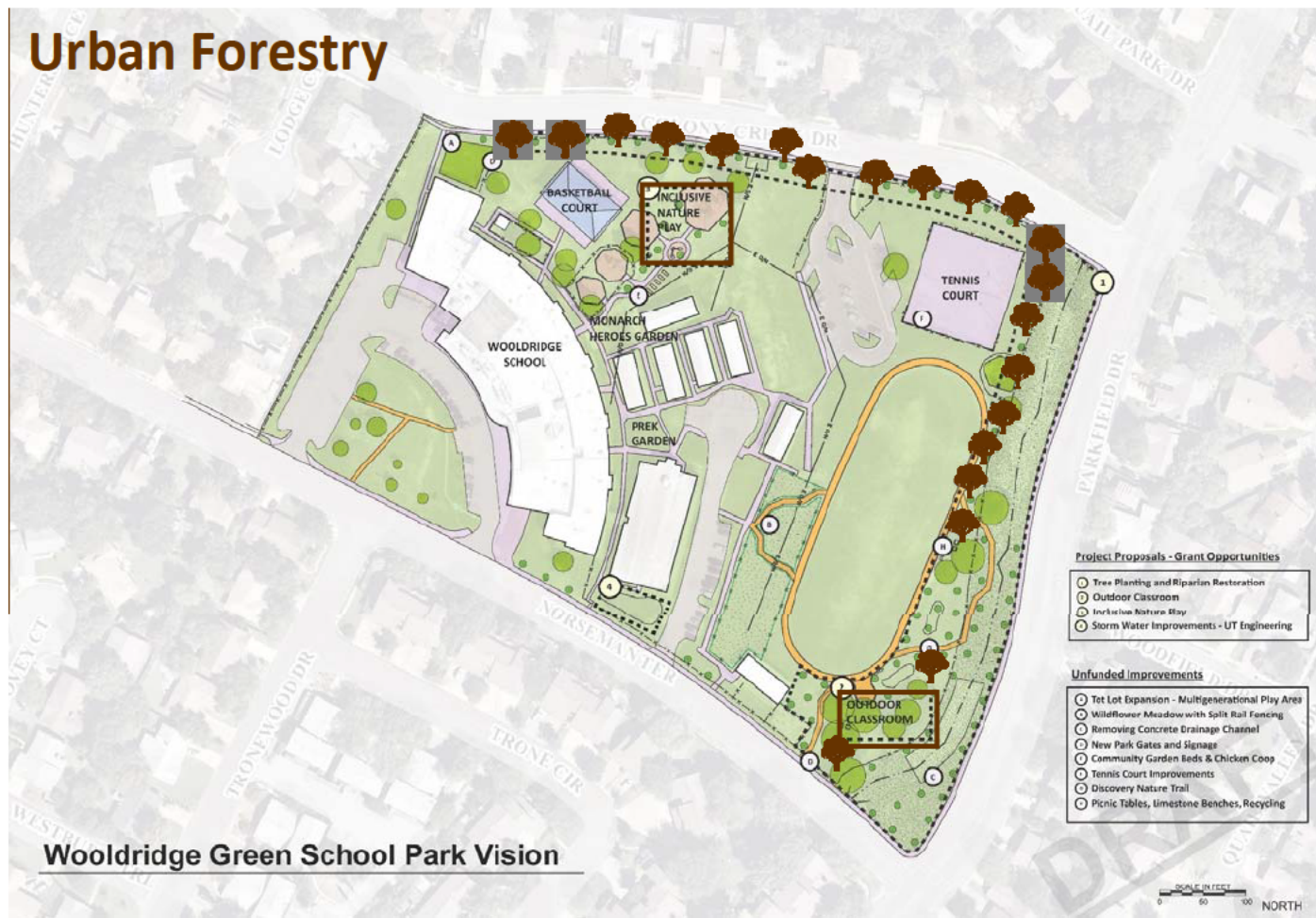
Out of School Time

Programs and park infrastructure that promote use and activation of the Green School Park when school is not in session





Urban Forestry



Wooldridge Green School Park Vision

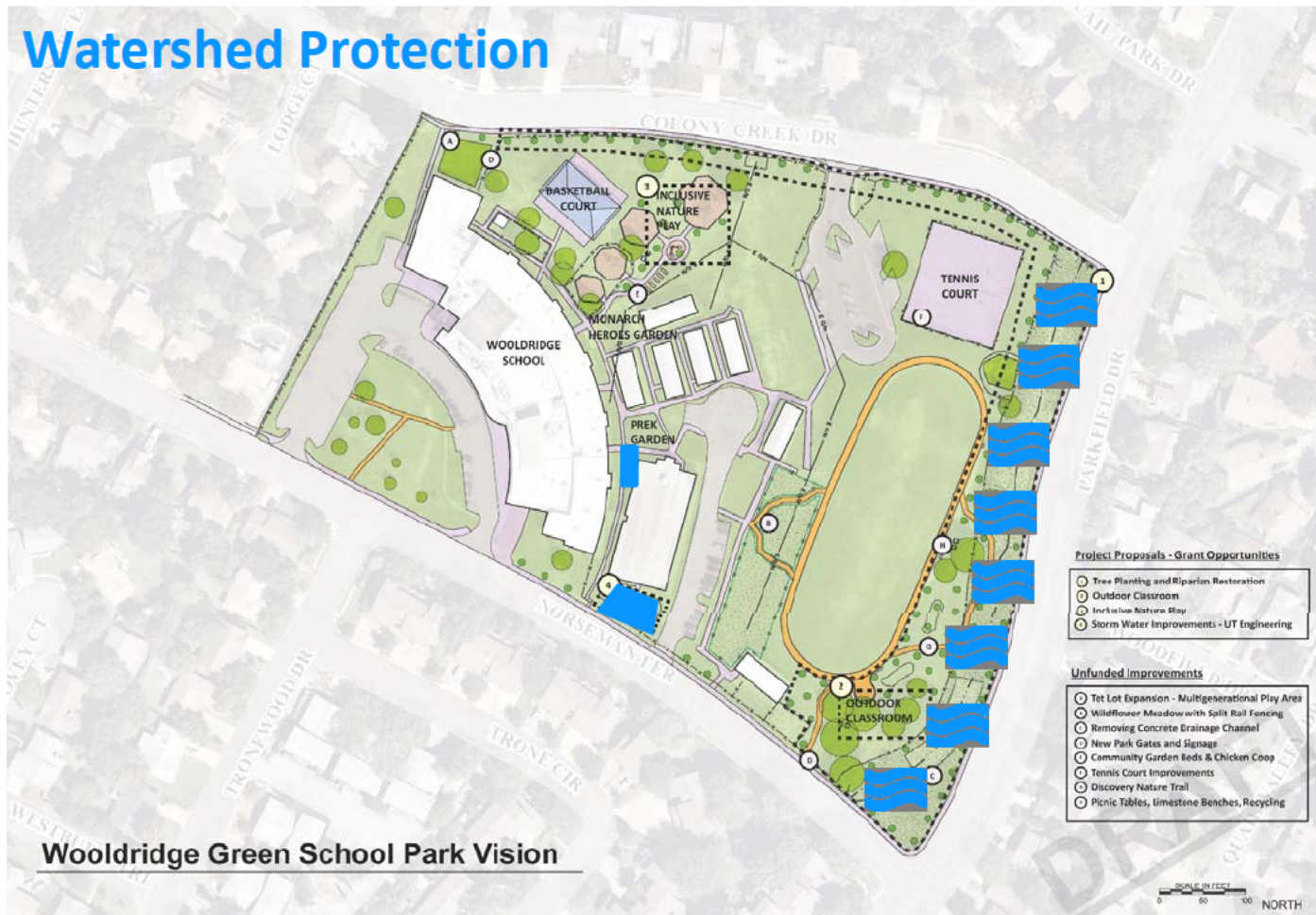
Project Proposals - Grant Opportunities

- Ⓐ Tree Planting and Riparian Restoration
- Ⓛ Outdoor Classroom
- Ⓜ Inclusive Nature Play
- Ⓝ Storm Water Improvements - UT Engineering

Unfunded Improvements

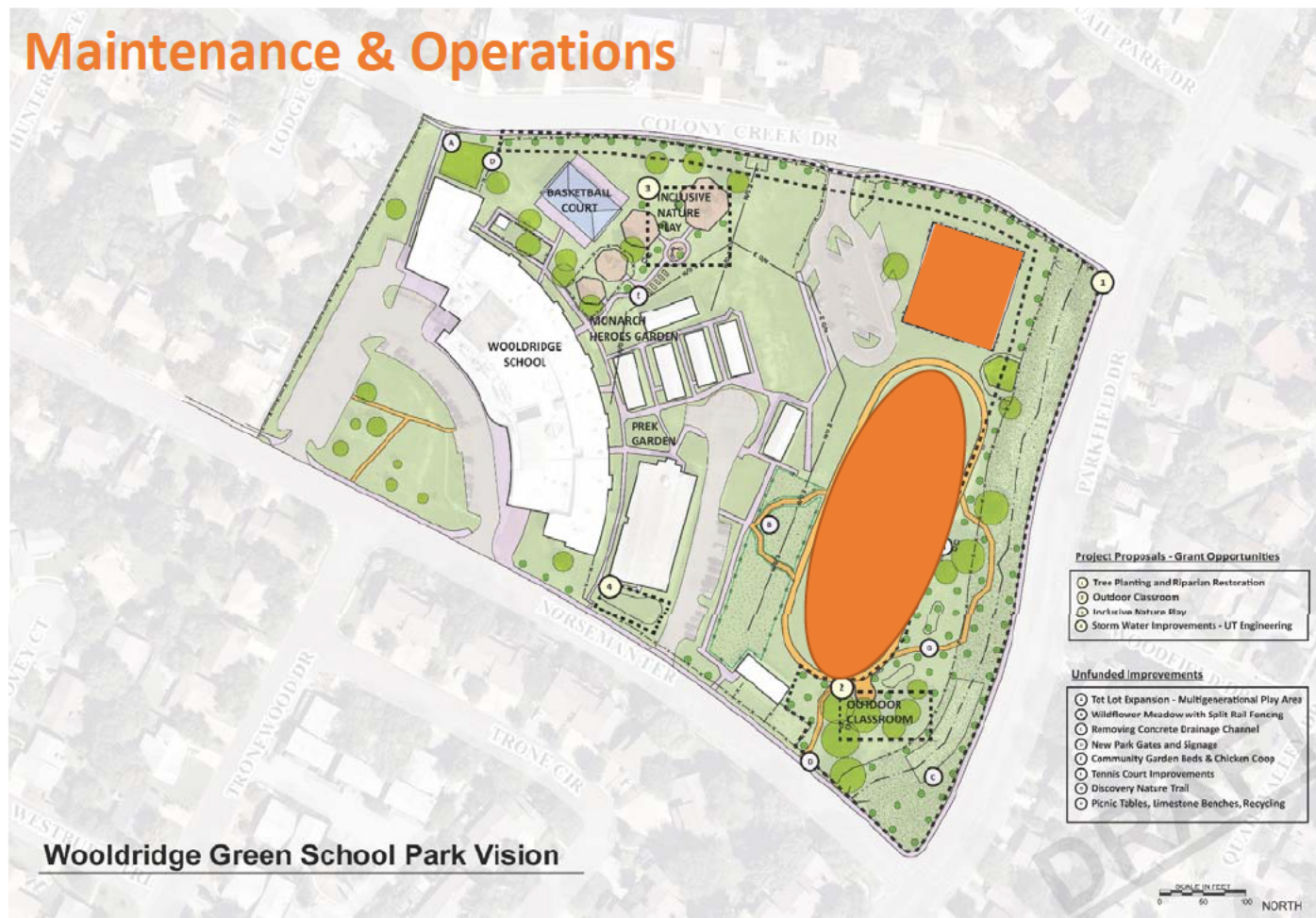
- Ⓐ Tet Lot Expansion - Multigenerational Play Area
- Ⓛ Wildflower Meadow with Split Rail Fencing
- Ⓛ Removing Concrete Drainage Channel
- Ⓛ New Park Gates and Signage
- Ⓛ Community Garden Beds & Chicken Coop
- Ⓛ Tennis Court Improvements
- Ⓛ Discovery Nature Trail
- Ⓛ Picnic Tables, Limestone Benches, Recycling

Watershed Protection

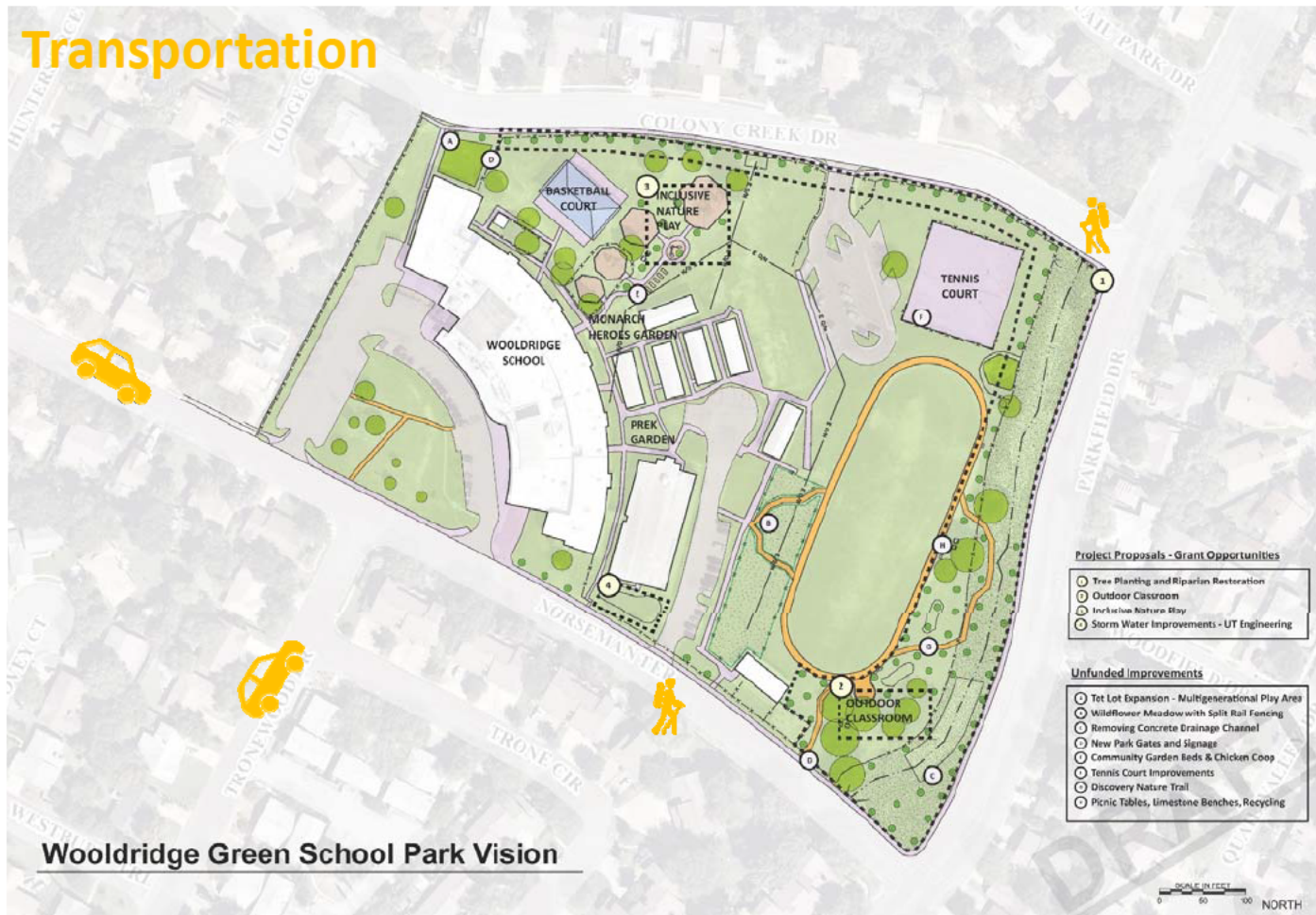


Wooldridge Green School Park Vision

Maintenance & Operations



Transportation



Wooldridge Green School Park Vision

Parks & Recreation



Wooldridge Green School Park Vision

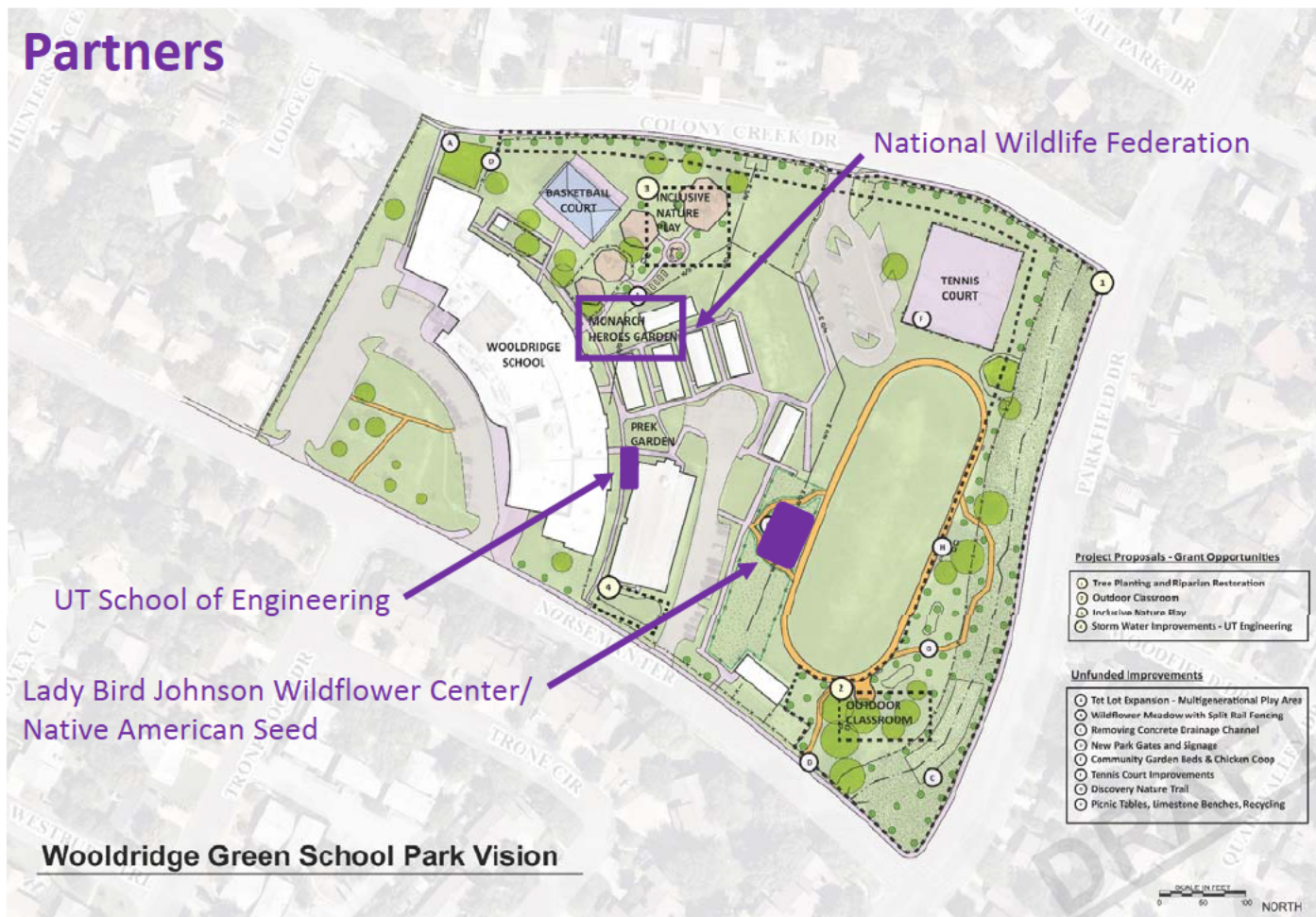
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- 9 Community Garden Beds & Chicken Coop
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- 11 Discovery Nature Trail
- 12 Picnic Tables, Limestone Benches, Recycling

Partners



Action Area Updates

Food | Anneliese Tanner

Nature | Anne Muller

Zero Waste & Procurement | Amanda Mortl Walker

Transportation & Air Quality | Rob Borowski

Energy & Water | Richard Shearman

Community Engagement & Outreach | Monica Lopez Magee



Food

- SY 19-20: Bidding compostable utensils
- Local Items:
 - SY 16-17 46% Local, results pending from Good Food Purchasing Program for SY 17-18
 - Farm Fresh Fridays: JBG
 - Sampling -
 - Beet Sampling in October
 - Pinto Bean Dip



Nature



AISD Green Flag Schools

Congratulations
Brooke!!

- Brooke ES
- Patton ES
- Clint Small MS
- Eastside Memorial/
International HS



Monarch Heroes

O. Henry MS



Bailey MS



Casey Elementary BIG DIG



OutTeach
Go Outside Expectations



CiNCA Workshop on Equity and Diversity



Energy & Water

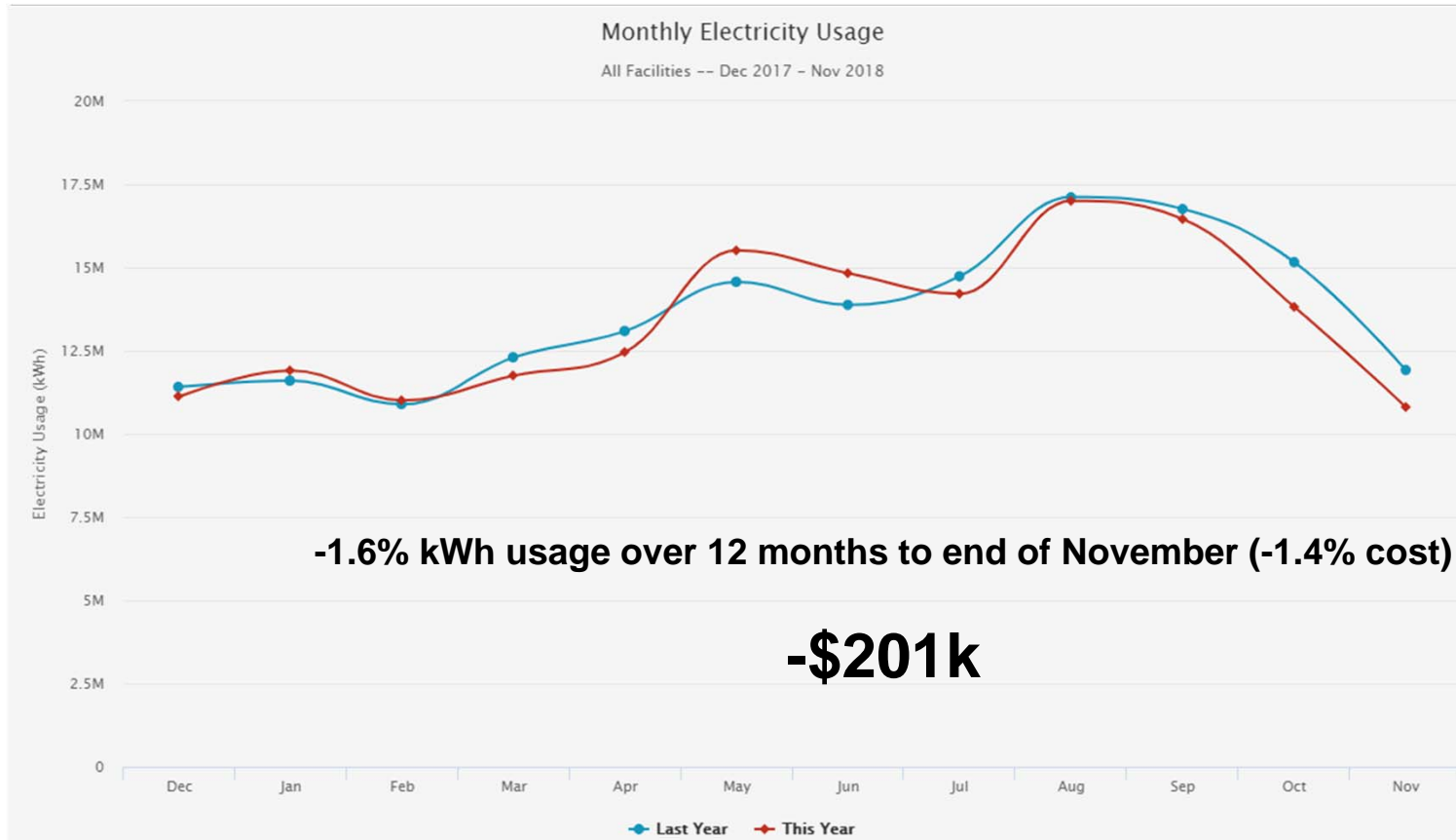
Community Engagement:

1/19/2019 MLK Day of Service at Kealing MS

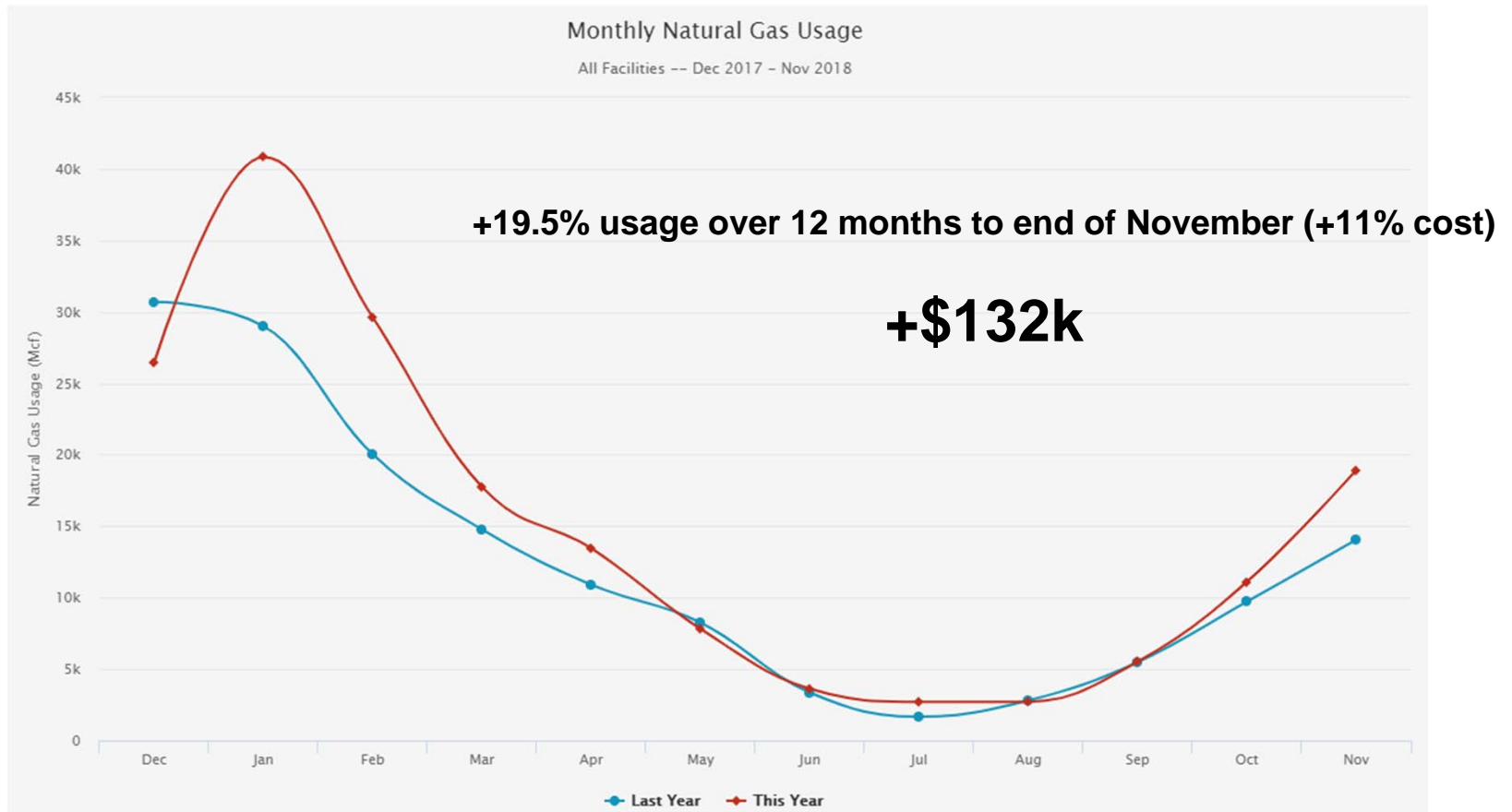
1/21/2019 MLK Day of Service at Boggy Creek Park



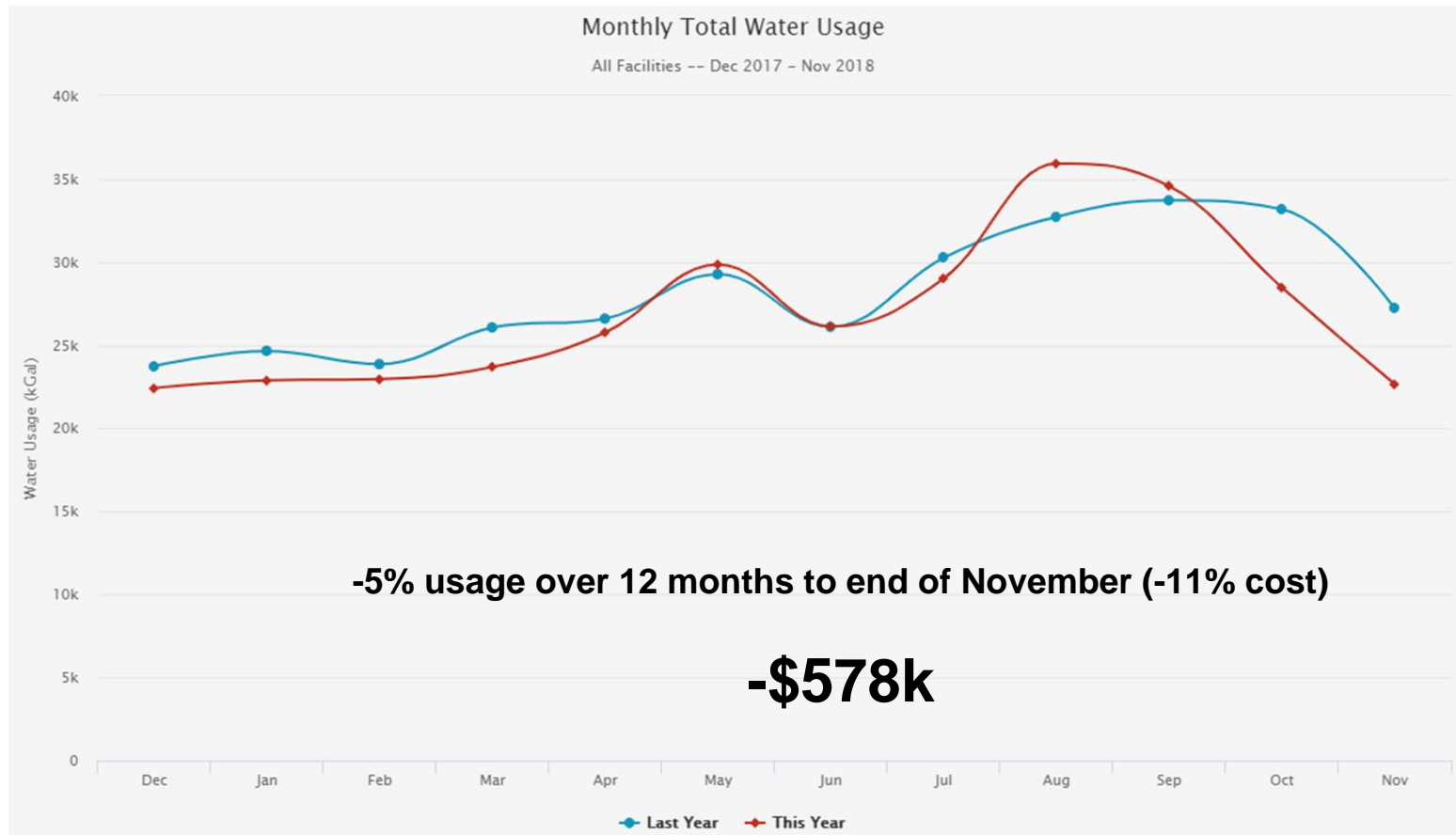
Energy & Water



Energy & Water



Energy & Water



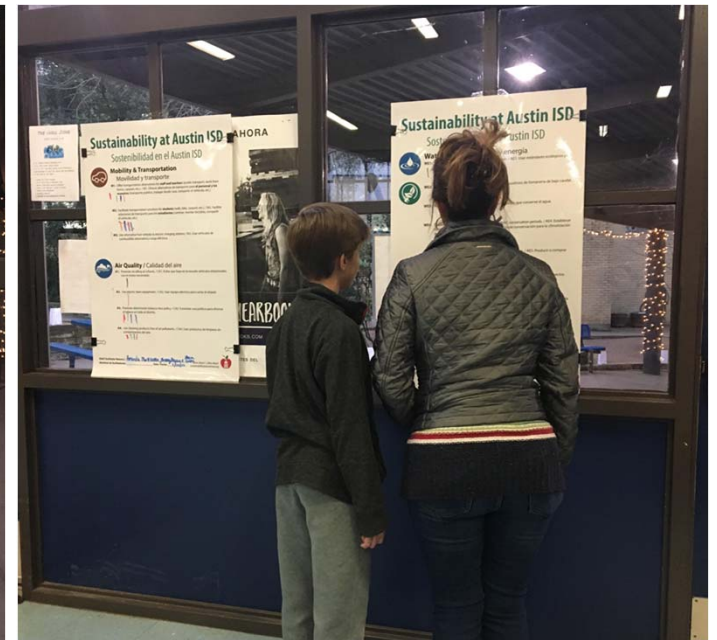
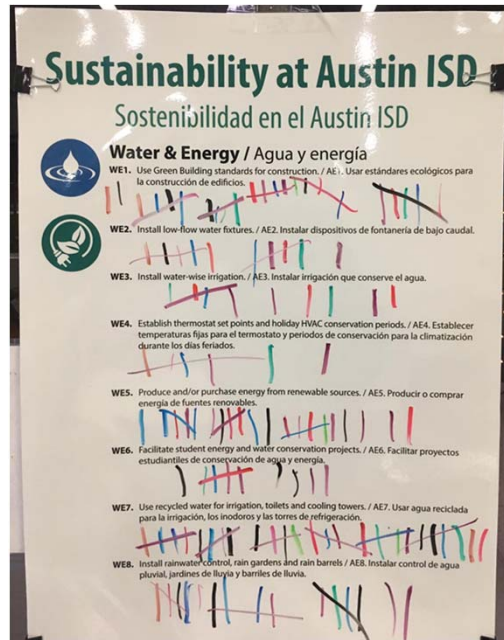
Zero Waste & Procurement

News: Keep Austin Beautiful's Generation Zero is up!



Zero Waste & Procurement

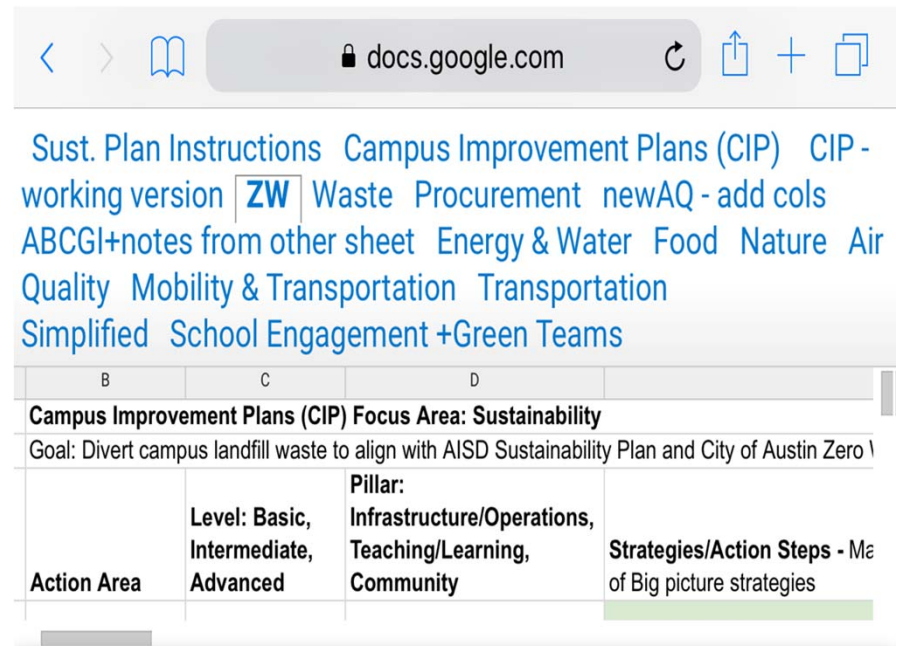
1/2018 Outreach survey at Fulmore Middle School
Thank you City of Austin for the voting prizes!



Zero Waste & Procurement

Campus Improvement Plan

ZW&P committee populated the Campus Improvement Plan with proposed action steps towards bringing campuses to “zero waste”



docs.google.com

Sust. Plan Instructions Campus Improvement Plans (CIP) CIP - working version **ZW** Waste Procurement newAQ - add cols ABCGI+notes from other sheet Energy & Water Food Nature Air Quality Mobility & Transportation Transportation Simplified School Engagement +Green Teams

B	C	D	
Campus Improvement Plans (CIP) Focus Area: Sustainability			
Goal: Divert campus landfill waste to align with AISD Sustainability Plan and City of Austin Zero \			
Action Area	Level: Basic, Intermediate, Advanced	Pillar: Infrastructure/Operations, Teaching/Learning, Community	Strategies/Action Steps - Me of Big picture strategies



Schools with 64% diversion:

BARTON HILLS ELEMENTARY
BLACKSHEAR ELEMENTARY
CUNNINGHAM ELEMENTARY SCHOOL
GARZA INDEPENDENT **HIGH SCHOOL**
LEE ELEMENTARY SCHOOL
ORTEGA ELEMENTARY SCHOOL
PEASE ELEMENTARY SCHOOL
UPHAUS ELEMENTARY
ZILKER ELEMENTARY SCHOOL



Sustainability Plan implementation 2018

- 25 schools implemented cafeteria compost, increasing their average diversion from 31% to 37%
- ~5,711 AISD students trained
- ~846 teachers and staff trained



Sustainability Plan Implementation 2019

- 15 AISD school communities collaborating to increase diversion from 39% to 50% (saving ~\$719/yr/campus)
 - 10 days of dumpster observations used to create draft action plan
 - Field trip to TDS with head custodians and campus Green leaders 12/2018
 - Campus eco-team meetings to implement action plan



Transportation & Air Quality

Fleet

- Grant for \$233,500 from TCEQ for replacing 5 older model buses with new lower emission school buses.
- TERP Clean Fleet and Rebate Grants now open



Transportation & Air Quality

Commute Solutions

- New Commute Solutions website and ride tracking tool to be launched in Spring.
- Individual Site websites and “School Pool” options
- Ability to manage and run individual commuter contests



<http://www.commutesolutions.com/>



TRANSIT ADVENTURES



- Host an off-site field trip *for free!*
- Best for groups of 10 – 40 people
- Capital Metro will:
 - Host meeting to plan time/date/location
 - Offer *free* Day Passes to all participants
 - Create a custom return trip itinerary
 - Attend & lead the outing, as needed



For more information:

Lonny Stern, *Community Engagement*

Lonny.Stern@capmetro.org

512.389.7509

2 Forget the **Yellow Bus**

 METRO

Community Engagement & Outreach

Goal: to garner input for and build public will, interest, and awareness of the Sustainability Plan

Methodology: affinity voting on strategies displayed via posters at events. Posters feature English and Spanish. Each ESAC subcommittee conduct process at a minimum of 2 events.

Activation

- Participants mark the 6 strategies that are important to them.
- Post-its also provided for participants to contribute new suggestions.

Sustainability at Austin ISD

Sostenibilidad en el Austin ISD



Mobility & Transportation

Movilidad y transporte

- M1.** Offer transportation alternatives for **staff and teachers** (public transport, work from home, carpool, etc.) / **M1.** Ofrecer alternativas de transporte para **el personal y los maestros** (transporte público, trabajar desde casa, compartir el vehículo, etc.)
- M2.** Facilitate transportation solutions for **students** (walk, bike, carpool, etc.) / **M2.** Facilitar soluciones de transporte para los **estudiantes** (caminar, montar bicicleta, compartir el vehículo, etc.)
- M3.** Use alternative fuel vehicles & electric charging stations / **M3.** Usar vehículos de combustible alternativo y carga eléctrica.



Community Engagement & Outreach



Sustainability at Austin ISD
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M3. Use alternative fuel vehicles & electric charging stations / M3. Usar vehículos de combustible alternativo y carga eléctrica.

Air Quality / Calidad del aire

A1. Promote no idling at schools. / CA1. Evitar que haya en la escuela vehículos estacionados con el motor encendido.

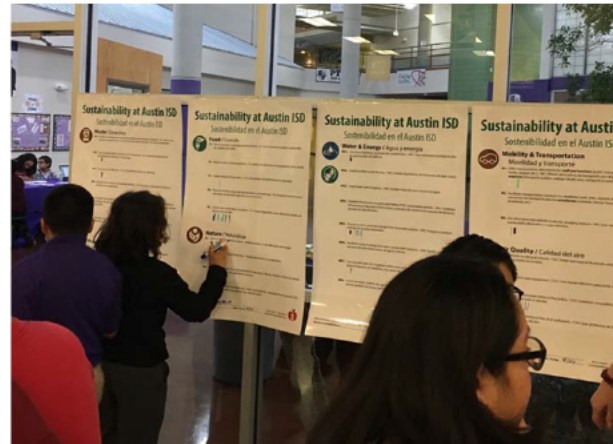
A2. Use electric lawn equipment. / CA2. Usar equipo eléctrico para cortar el césped.

A3. Promote districtwide tobacco-free policy. / CA3. Fomentar una política para eliminar el tabaco en todo el distrito.

A4. Use cleaning products free of air pollutants. / CA4. Usar productos de limpieza sin contaminantes del aire.

ESAC Facilitator Name(s) / *MAR Daniela Rios, Cris*
Nombres de facilitadores: *Daniela Rios, Cris* Date / Fecha: *1/21/19*

More ideas? / ¿Más ideas?
sustainability@austinisd.org



1/10 @ 9:20

Sustainability at Austin ISD
Sostenibilidad en el Austin ISD

Waste / Desechos

W1. Provide recycling and composting toolkits and training to teachers. / D1. Darles a los maestros capacitación y conjuntos de herramientas para reciclar y compostar.

W2. Train custodial staff in recycling and composting. / D2. Capacitar al personal de conservación en reciclaje y compostaje.

W3. Compost in all cafeterias. / D3. Compostar en todas las cafeterías.

W4. Recycle and compost at all athletic facilities. / D4. Reciclar y compostar en todas las instalaciones deportivas.

W5. Establish zero-waste policies for community groups on AISD property. / D5. Establecer políticas de eliminación total de desechos para los grupos comunitarios en la propiedad del AISD.

W6. Recycle and safely dispose of unique waste streams (e.g., light bulbs). / D6. Reciclar y desechar de forma segura grupos específicos de desechos (e.g., bombillas, etc.).

Procurement / Adquisiciones

P1. Buy local and eco-friendly products. / A1. Comprar productos locales y ecológicos.

P2. Phase out Styrofoam in cafeterias. / A2. Eliminar progresivamente el poliestireno de las cafeterías.

ESAC Facilitator Name(s) / *Bianca Peterson*
Nombres de facilitadores: *Bianca Peterson* Date / Fecha: *1/19/19*

More ideas? / ¿Más ideas?
sustainability@austinisd.org

Community Engagement & Outreach

14 events, 719 participants

Representation

- students, teachers, AISD administration, and parents
- Events: Science Fest, Family Nights, PTA mtgs, teacher trainings, public gatherings, AISD's Superintendent Student Roundtable, SFC training, SFC Farmer's Market, MLK Day of Service



Community Engagement & Outreach

FINDINGS

High Interest and Prioritization

F4: Promote healthy eating, farming education and field trips

N1: Design outdoor learning spaces

W1: Provide recycling and composting training and toolkits

F3: Create campus food gardens

Low Interest and Prioritization (Low Awareness)

A2: Use electric lawn equipment

WE4: Establish thermostat set points and holiday HVACs

OPPORTUNITIES

Host in District 4

Youth Engagement

Teacher & School Administrators Engagement



FY18-19 Meeting Dates

5:30-7:30pm, Board Auditorium, Carruth Administration Center, 1111 W. 6th Street

September 27, 2018
November 15, 2018
January 31, 2019
March 28, 2019
May 23, 2019
Elections!





**THANK YOU for all you do to help AISD
be green!**

