

AISD Environmental Stewardship Advisory Committee (ESAC)

December 1, 2021

The purpose of the ESAC is to assist the district in being a recognized example of environmental education, stewardship, and sustainability.



Mark your calendars for the 2021-2022 ESAC meeting dates!

All meetings will take place online until further notice
from 5:30 to 7:30 pm.

- October 14, 2021
- December 1, 2021
- February 2, 2022
- March 30, 2022
- May 18, 2022 - ELECTIONS!
- Summer 2022 - ESAC Chairs and subcommittee leaders meet for strategic planning.



Breakout Group Prep

Please add your subcommittee abbreviation to the front of your name:

FN = Food & Nature

AT = Air Quality & Transportation

ZP = Zero Waste & Procurement

EW = Energy & Water

EQ = Equity & Community Engagement

Those that do not yet have a subcommittee, please select one of the subcommittees above to join for today's discussion.





AGENDA

Welcome	5:30-5:40
Public Comments & Announcements	5:40-5:50
Update: ESAC/SHAC Letter of Support	5:50-5:55
Update: Districtwide Updates to Citizen Advisory Committees	5:55-6:15
Subcommittee Breakout Groups	6:15-6:55
Activity Updates	6:55-7:25
Requests for Future Meeting Topics & Adjourn	7:25-7:30

Watch live: bit.ly/ESACvideo . The link is also posted on Twitter @AISDGreen



Tech Tips

1. “Rename” yourself in Zoom with your breakout room abbreviation and full name.
 - a. This also helps us document attendance.
2. We encourage you to use your video so we can see one another’s wonderful faces!
3. This webcast is being recorded and also broadcast on YouTube.
4. Please keep your microphone muted unless you are speaking. This helps minimize background noise.



Tech Tips

5. To ask a question:

- Please use the “raise hand” button to ask a question or provide a comment, or
- Indicate in the chat that you would like to ask a question.
- You will be called on to voice your question out loud so it can be captured in the recorded session.

6. *Operation: Pumpernickel!*



Public Comments

Visit austinisd.org/advisory-bodies/esac/meetings to submit public comments by noon the day of the meeting



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“How to get started on sustainability within school PTA
I am actually RRISD parent and amazed by all the work you have been doing at AISD . I need help to get started at my local elementary school even at small step like bring your own water bottle at school parties to reduce plastic waste . Any help is appreciated.”



Announcements



Update: ESAC/SHAC Letter of Support for Outdoor Dining & Learning

Jen Cregar





OUTDOOR LEARNING & DINING

POSSIBLE ACTIONS:

- Campus survey re: outdoor barriers & opportunities (underway)
- Training and capacity building to expand outdoor time across campuses
- Advocacy letter (with SHAC)

DRAFT OUTCOME:

Expanded, equitable availability of outdoor time across campuses



Update: Districtwide updates to citizen advisory committees

Dr. Jacob Reach, Chief Officer of Governmental
Relations and Board Services





ESAC PURPOSE & MEASURING SUCCESS

POSSIBLE ACTIONS:

Review and revise ESAC purpose and bylaws.

Consider ways to support better communication channels with district leadership.

Consider how to communicate ESAC achievements more publicly.

DRAFT OUTCOME:

Present a new proposed purpose and bylaw changes to the ESAC.





MEMBERSHIP, DIVERSITY, & INCLUSION

POSSIBLE ACTIONS:

Complete a membership analysis, including across subcommittees (*disaggregate the data*).

Review bylaws, organizational structure, and more and find ways to better include diverse experiences in the ESAC.

DRAFT OUTCOME:

Present a set of recommendations to the ESAC.



Breakout Groups

Intro: Aimee Aubin, Jen Cregar, Mary Priddy



Breakout Group Prep

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We'll
be right
back!

Subcommittees are currently in breakout groups discussing their goals and activities.

We'll be back around 6:55



Activity Updates

Student Activities | (names of students that would like to present)

Energy & Water | Ashley Williams & Rey Torres

Nature | Anne Muller

Food | Diane Grodek

Transportation & Air Quality | Rob Borowski & Kris Hafezizadeh

Zero Waste & Procurement | Amanda Mortl

Equity & Community Engagement | Noelle Bugaj



ESAC Student Member Updates

Sophie Sun, Hays Turner



Student: Sophie Sun

- LASA High School has implemented more outdoor learning areas.
- Many students in AISD that I speak to are very excited about the food that the cafeteria offers! New menus are a hit!
- Gardens at LASA High School are active with our first batch of vegetables (almost) ready for harvest!



Student: Hays Turner

- Lively MS Garden is up and running for the Garden to Café Program!
- As part of my green building internship with EcoRise, I got to work with Diane Grodek and Brittany Morgan (Lively MS teacher and garden leader) to get the garden approved for the program
- See the [AISD in 3](#) video featuring the ribbon cutting (and interviews)!



Energy & Water Update

Rey Torres



Energy and Water Subcommittee activities, priorities, interests, or goals for 2021-2022:

2022 Goal:

- Student engagement with the aid of a STEM teacher if possible.

First project: Have the classroom Solar PV systems in operation and have educational workshops using the outdoor Solar PV classroom setting.





1177

PAY TO THE
ORDER OF

Austin ISD

DATE Summer 2021

\$ **116,246.55**

One hundred and sixteen thousand, two hundred and forty six and 0/55 --- DOLLARS 

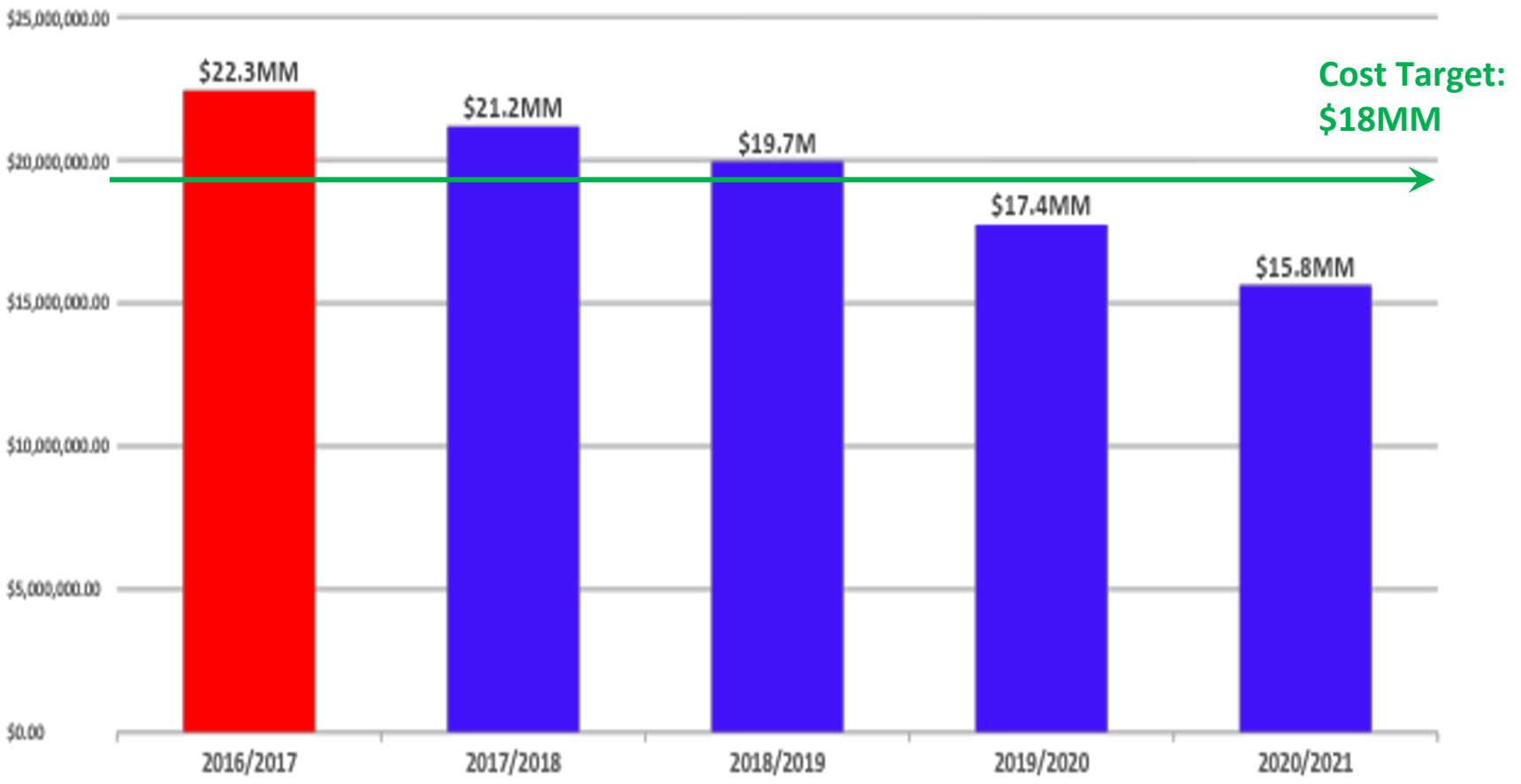
MEMO Saving peak-load energy

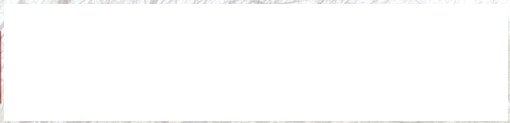
Austin Energy Load Cooperative Program

⑆ 1800 590 78 50 ⑆ 160 35 36 2900 ⑆ 1 1 7 7



Cost of Utilities Year over Year - All Facilities





Nature Update

Anne Muller



Nature Subcommittee intent for 2021-2022

Intent: The intent of the Nature Action Area is to provide the AISD community with nature-based learning benefits, opportunities, and experiences; enhance resilient ecosystem services on AISD property; improve social, emotional, health, and academic outcomes for students; and nurture an appreciation for the environment in the next generation of environmental stewards.



Cook ES 2021



Boone ES 2021



Discovery Hill 2021



Nature Subcommittee goals for 2021-2022

Goal 1: Develop and implement district policies, procedures and planning to support equitable access to nature

Goal 2: Support installation and maintenance of Green Schoolyard Infrastructure

Goal 3: Increase and support student, staff and community use of the green schoolyards (Activation)

Goal 4: Implement sustainable strategies and carbon sequestration into AISD land management



Ortega ES 2021



Nature Updates

Casis and Sanchez 2021

Goal 1 (Policy)- Joint Use agreement (P),
ESAC/SHAC joint letter (p)

Goal 2 (Infrastructure)- Picnic tables, PARD
amenities

Goal 3 (Activation)- Field Trips, District
Curriculum, Green Administrator Cohort

Goal 4 (Land Management)- Tree Planting,
Tree Inventory Dashboard





Filters

Use the following options to filter tree inventory data. Dashboard elements will change according to the filter(s) you have selected.

- Property Name**
OAK SPRINGS EL
- Trunk Size**
0 in. - 100 in.
- Tree Height**

About

Welcome! This is a dashboard. It displays trees inventoried on Austin Independent School District (AISD) properties.

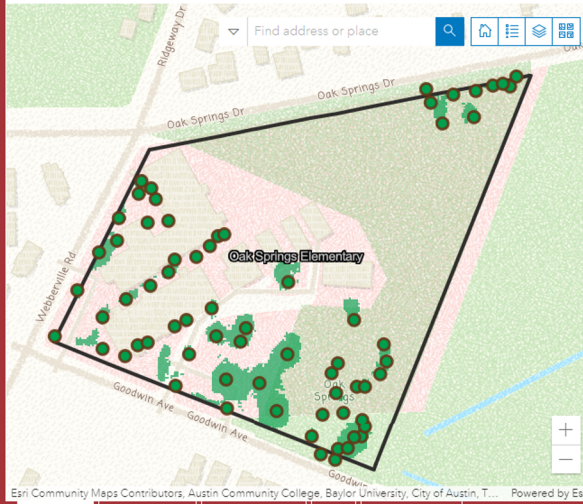
A *tree inventory* is a record of tree locations and their traits. The AISD tree inventory was collected in 2018 and 2019 through the City of Austin's [Urban Forest Grant](#).

Map (right): shows where trees are located. Tree canopy is displayed in green when zoomed in far enough to see property boundaries.

Filters (above): select trees by property or traits like height.

This dashboard is interactive so its elements (like graphs) will change based on your selections. Enjoy!

Where are trees located on AISD properties?



Esri Community Maps Contributors, Austin Community College, Baylor University, City of Austin, T... Powered by Esri

- Map View
- Property View
- Top 10 Species
- Size
- Heritage Trees

How many trees?

68

How many unique tree species?

13

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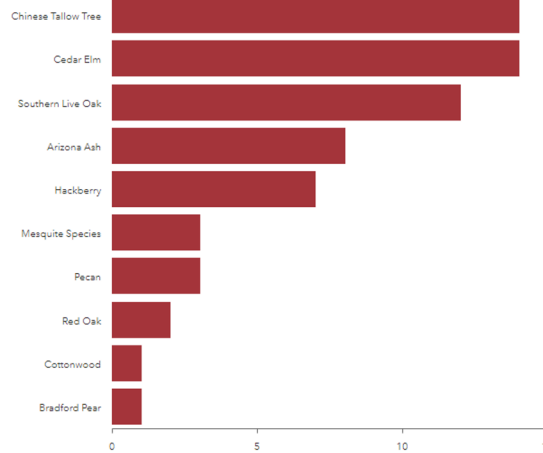
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What are the top 10 species?



The most abundant species throughout Austin are Ashe Juniper, Cedar Elm, Live Oak, Sugarberry, Texas Persimmon, Yaupon Holly, Green Ash, Honey Mesquite, Mescalbean, Glossy Privet.

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Food Update

Diane Grodek



Food Subcommittee activities, priorities, interests, or goals for 2021-2022:

- We have 2 new (nearly!) approved school gardens approved for the Garden to Cafe program - Martin MS, and Langford ES
- Our new Winter menu cycle starts this week - with newly added plant based items like Veggie Fried Rice with a Spring roll, and Crispy Black Bean and Veggie Tacos, and Vegetable Lo Mein which will be served at all levels
- We are doing our best to work through the same supply chain issues plaguing the whole country, while maintaining our standards as best as we can!



Transportation & Air Quality Update

Kris Hafezizadeh, Mike Rios, & Rob Borowski



Transportation & Air Quality Subcommittee activities, priorities, interests, or goals for 2021-2022:

- We will deliver Coats for kids to our schools 12/7-12/10 from the District Warehouse. (Kris)
- City of Austin Bike Parking (Sophia Benner)
- Purple Air outdoor particulate matter sensors at 12 AISD schools (Rebecca Cohen)
 - More info on next slide



Transportation & Air Quality Updates

- PurpleAir Outdoor Particulate Matter Sensors have been installed at 12 AISD schools through a partnership with Clean Air Force and COA
- Real time data on their website <https://www2.purpleair.com/>
- Schools were chosen based on proximity to major roadways, social vulnerability index, asthma rates, Title I funding, and engaged staff
- Clean Air Force would like to connect to teachers at these schools to incorporate air quality curriculum as part of their green/environmental/sustainability teaching efforts if ESAC members have any contacts
- Schools identified:
 - Gus Garcia Young Men's Leadership Academy
 - Allison ES
 - Webb MS
 - Winn ES
 - Small MS
 - Galindo ES
 - Blackshear ES
 - Norman-Sims ES
 - Sanchez ES
 - TA Brown ES
 - Houston ES
 - Mendez MS
 - Langford ES (soon)
 - Zilker ES (soon)



Zero Waste & Procurement Update

Amanda Mortl



Zero Waste & Procurement Subcommittee activities, priorities, interests, or goals for 2021-2022:

- Engagement- Youth pathway for City Zero Waste block leaders;
- Inter-committee collab: internal engagement w/ eco-teams
- Recommend options for sharing surplus internally



Zero Waste & Procurement Updates

- Printer lease and management services contract renewal - cartridge recycling, energy conservation
- School battery recycling
- AISD Diversion rate changes: Athletic facilities added recycling and compost services
- Zero Waste Block Leader student ecoteam development
- Calculating carbon impact of Waste- Base year 2019





EPA Simplified GHG Emissions Calculator (SGEC)

Version 7 June 2021

The EPA Simplified GHG Emissions Calculator ("the Calculator") is designed as a simplified calculation tool to help organizations estimate and inventory their annual greenhouse gas (GHG) emissions for US-based operations. All methodologies and default values provided are based on the most current Center for Corporate Climate Leadership *Greenhouse Gas Inventory Guidance Documents* and the *Emission Factors Hub*. The Calculator will quantify the direct and indirect emissions from sources at an organization when activity data are entered into the various sections of the workbook for one annual period.

Estimated carbon impact of waste

Waste Material	Disposal Method	Weight	Unit	CO ₂ e Emissions (kg)
Mixed Recyclables	Recycled	1,000	pounds (lb)	45
Mixed Organics	Composted	1,000	pounds (lb)	85
Mixed MSW municipal solid	Landfilled	1,000	pounds (lb)	260



Equity & Community Engagement

Noelle Bugaj



Equity & Community Engagement Subcommittee activities, priorities, interests, or goals for 2021-2022:

- Transition with subcommittee leadership, meeting bi-weekly
- Work with purpose & measuring success working group on reviewing bylaws and ESAC membership goals with equity lense
- Incorporating student focus in purpose and ESAC membership



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

