

SUSTAINABILITY AT AUSTIN ISD

DISTRICT PLANS & OPPORTUNITIES

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AUSTIN ISD



**ELEMENTARY
SCHOOLS**



**MIDDLE
SCHOOLS**



**HIGH
SCHOOLS**



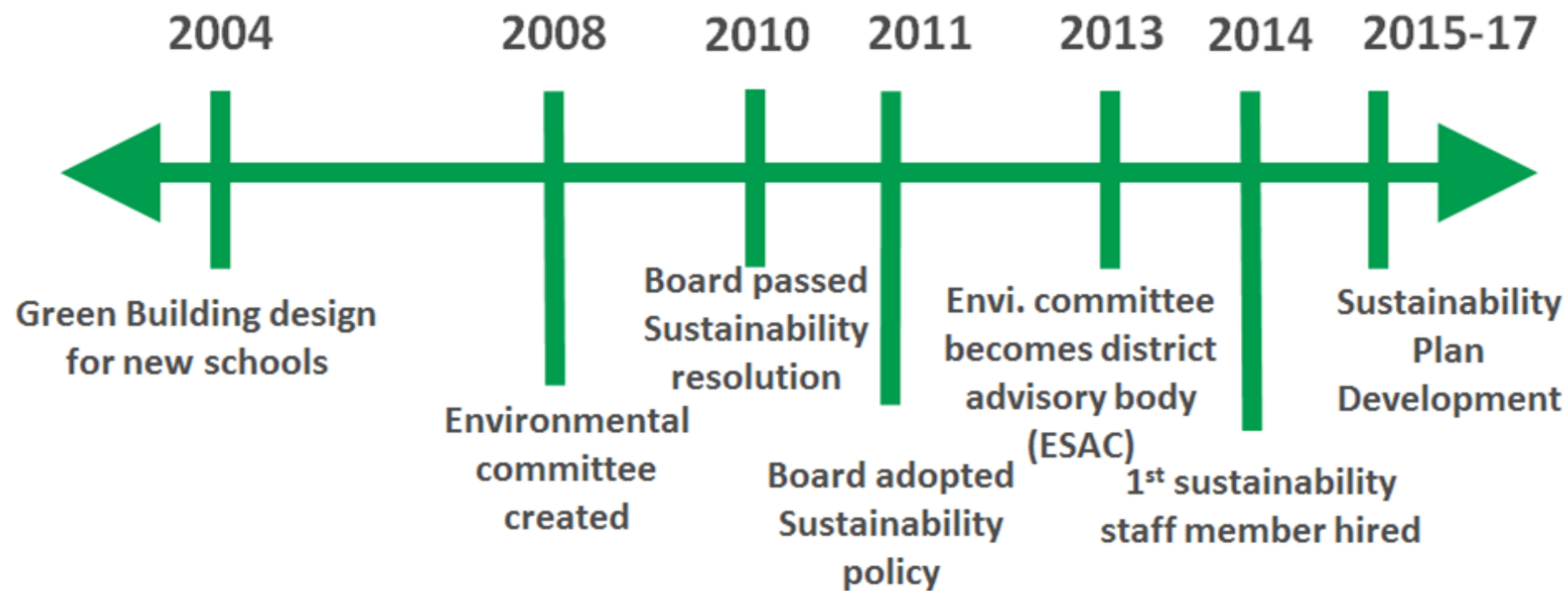
**OTHER
CAMPUSES**

84,791
Students

129
Campuses



AISD SUSTAINABILITY HISTORY





SUSTAINABILITY INTEGRATION

2010 Resolution & 2011 Environmental Sustainability Policy

Resolution in Support of Environmental Stewardship
Envisioning Committee Recommendations
April 26, 2010
Page 1 of 3

RESOLUTION

WHEREAS, Austin Independent School District schools have the potential to make positive, tangible environmental change in the world while teaching students to be stewards of the local and global communities, the earth and its resources;

WHEREAS, the Austin Independent School District believes that when efforts, strategies and activities for the environment are utilized within the curriculum, as learning opportunities, including experiential applications of the TEKS concepts for science, students improve academically, and become better local and global citizens;

WHEREAS, the Austin Independent School District's Strategic Plan emphasizes using multiple and appropriate methods of communication and engagement to reach all stakeholders and every part of the community to gain meaningful input, participation, partnerships, and shared responsibilities for student success,

WHEREAS, environmental stewardship is a priority for the Austin Independent School District, reflecting the culture of the Austin community,

WHEREAS, the development and implementation of a systemic framework providing coordination of environmental efforts that improve student learning and the local environment, is essential for meeting the vision of environmental stewardship in AISD,

WHEREAS, the creation of the vision for environmental stewardship in the AISD community, must involve stakeholders representing students, teachers, administration, and parents of AISD, along with members of the local community, including government, higher education, business, industry and non-profit organizations,

Austin ISD
227901

BUILDINGS, GROUNDS, AND EQUIPMENT MANAGEMENT

CL
(LOCAL)

ENVIRONMENTAL SUSTAINABILITY POLICY

The Board has established this policy to enhance a Districtwide culture of sustainability. The purpose of this policy is to direct the District to further its effective environmental stewardship of resources through innovative, results-oriented, sustainability initiatives. "Sustainability" is defined as meeting the needs of the present without compromising the ability of future generations to meet their own needs.

The Board recognizes the profound impact that District activities have on the natural environment and on the health and well-being of students, employees, and the community. The Board embraces a commitment:

- To the responsible stewardship of energy, water, and other natural resources;
- To create healthy environments for teaching and learning; and
- To support sustainability as an economic, environmental, and social priority to be taught and practiced throughout the District.

GOALS

The District shall establish strategies and metrics to:

1. Encourage and support the efforts of students, teachers, and staff on individual campuses to implement environmental stewardship behaviors;
2. Further instruction of the environmental, social, and economic aspects of sustainability;
3. Design, construct, and operate high-performance schools and other facilities that are sensitive to natural resource use; conserve energy and water; reduce pollution and waste; promote responsible land development; and deliver a high-quality indoor environment ensuring access to fresh air and daylight;
4. Optimize use of energy and water in performance of facilities and to adopt energy- and water-efficient operations and maintenance protocols;
5. Procure materials, products, and services in a manner that integrates fiscal responsibility and community and environmental stewardship;
6. Reduce waste disposal in landfills by means of source reduction, reuse, recycling, and composting;



SUSTAINABILITY INTEGRATION

Project Development Manual for Construction:

Section IV Energy & Sustainability

This combination of documents is for use by the design professional in development of project design, including material and system preferences, and completion of the contract documents for construction.

Table of Contents

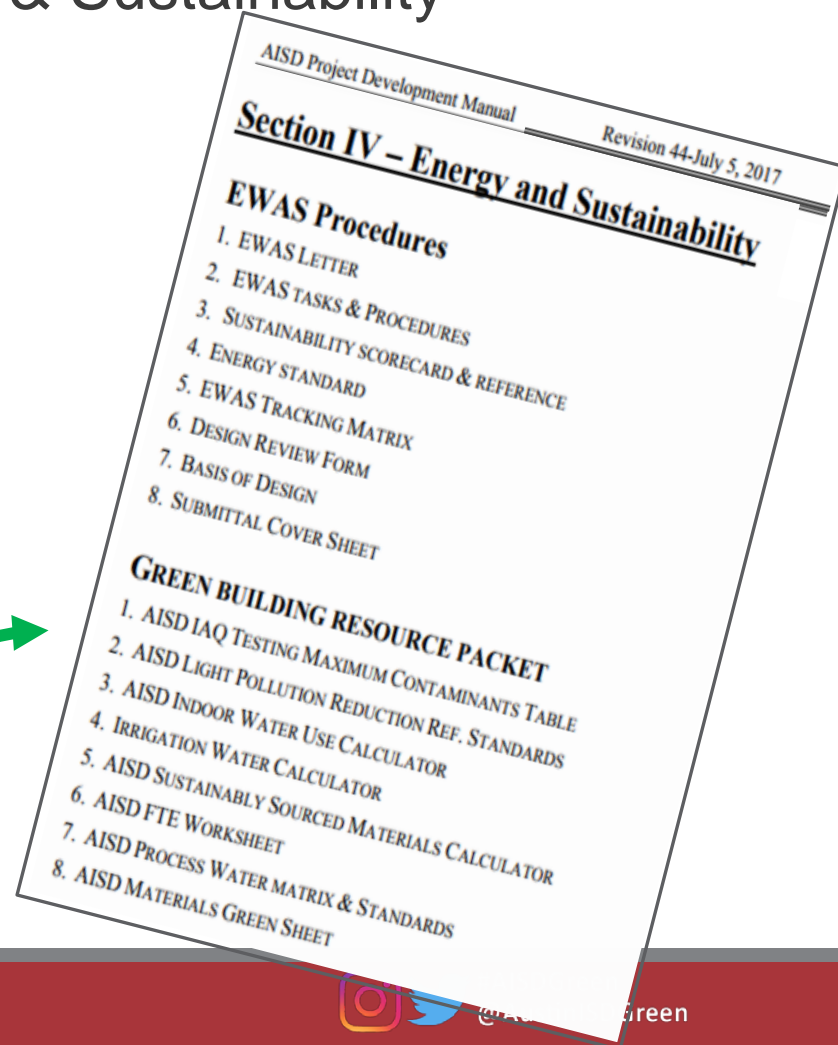
Section I – Design Standards

Section II – AISD Master Guide Specifications

Section III – Details

Section IV – Energy and Sustainability

Section V – Land Development Standards Agreement.





SUSTAINABILITY INTEGRATION

Facilities Master Plan:

Environmental Stewardship & Sustainability as a guiding principle

The FMP is a high-level roadmap for the modernization of all district facilities over the next 25 years. It identifies the scope and nature of capital investments that must be made in each facility.

Guiding Principles & Planning Strategies

Guiding Principles

The following principles were formulated by the Board of Trustees of the Austin Independent School District to shape the development of a Facility Master Plan for the District. Drafted in August and September 2013, and approved at the Board's regular meeting on September 30, 2013, these guiding principles will be used in the development of a Facility Master Plan, which, according to a resolution approved by the Board on April 1, 2013, "shall include specific plans and/or remedies to address under-enrollment within the District in order to optimize the use of District facilities as defined by a facility's permanent capacity by the opening of the 2016/17 school year."

All of the following guiding principles are deemed important by the Board.

Guiding Principle

Environmental Stewardship and Sustainability

- ▼ The Facility Master Plan will be developed to support and protect the environment and strengthen academics through the use of sustainable and conservation-focused practices for its buildings, grounds and equipment. The plan will be informed by best practices in daily operations of facilities and equipment using green energy, energy efficiency, resource recovery, water conservation, waste minimization and sustainable building practices.



SUSTAINABILITY INTEGRATION

Educational Specifications (Ed Specs)

Approved by AISD Board of Trustees, Dec 18, 2017

Educational specifications, or “Ed Specs,” are design standards and concepts used by school districts to guide new school facility construction and major space renovations to create engaging and effective learning environments.

Environmental Stewardship and Sustainability

The Ed Specs integrate sustainable design so that the district’s facilities not only conserve resources through a reduced reliance on water, electrical and gas utilities, but also enhance learning outcomes.



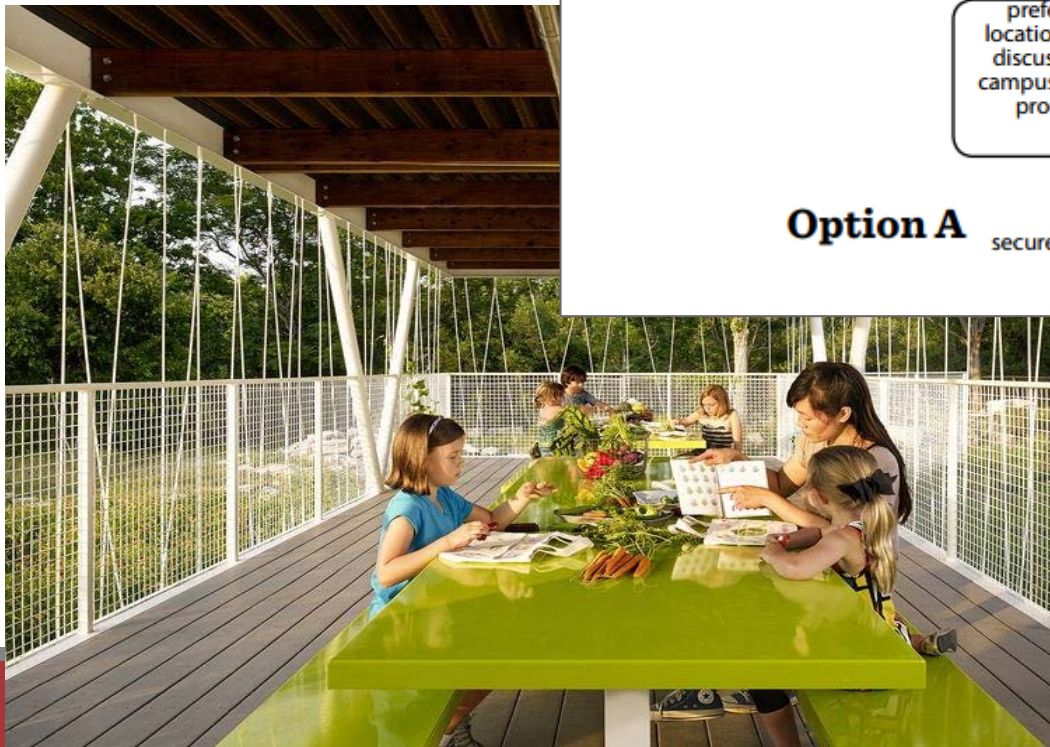
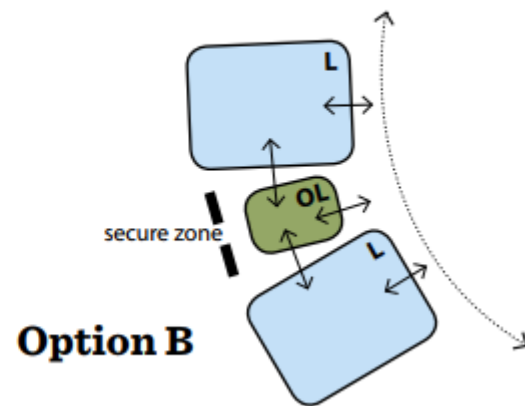
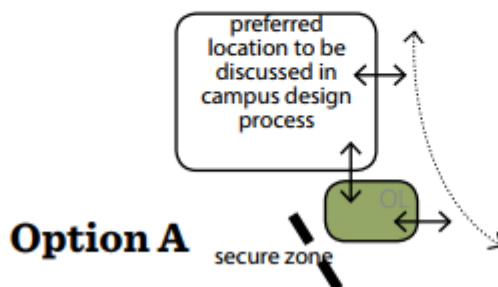
SUSTAINABILITY INTEGRATION

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Space Types

Outdoor Learning



#AISDGreen
@AustinISDGreen



AISD Performing Arts Center Green Building Celebration

10–11:30 a.m. | Oct. 12

PAC Lobby, 1500 Barbara Jordan Blvd.

You are cordially invited to join Austin ISD as we celebrate the Performing Arts Center LEED Gold rating from the U.S. Green Building Council and 5-Star rating from Austin Energy Green Building.

The event will include a tour and light refreshments.

10 a.m. Refreshments and performance by McCallum High School Jazz Band

10:30 a.m. Ceremony

11 a.m. Green Building tour

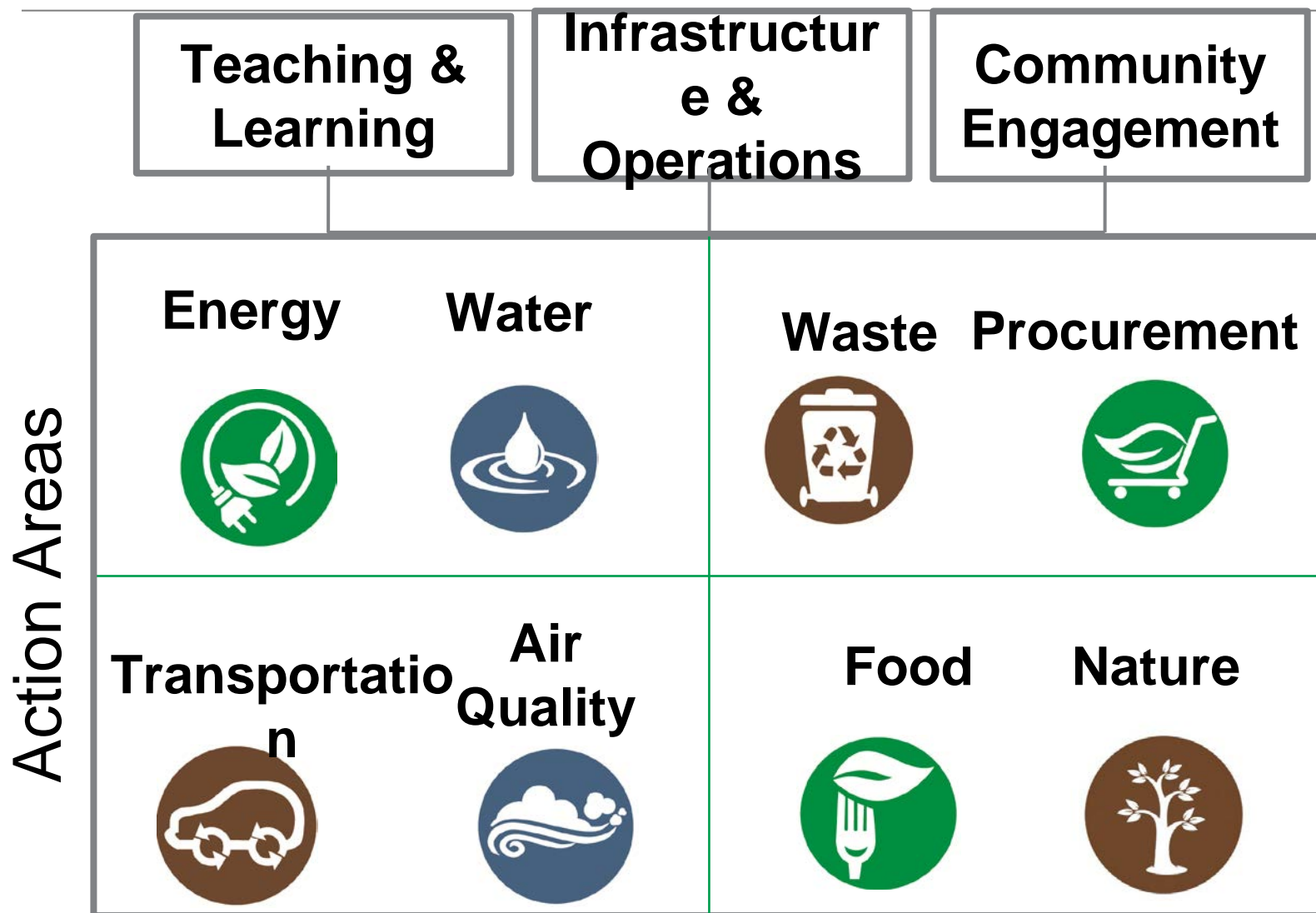
**Click here to RSVP, or
contact Darien Clary at
512-414-3042.**



**#AISDGreen
@AustinISDGreen**



SUSTAINABILITY / ESAC ORGANIZATION





SUSTAINABILITY PLAN





WASTE & PROCUREMENT

- Reduce landfill waste by 90% by 2040 (aligns with CoA Zero Waste goal)
- Establish sustainable procurement guidelines
- By 2020, implement school-to-school materials exchange & reuse platform (CoA Austin Materials Marketplace)





TRANSPORTATION & AIR QUALITY

- Reduce Peak time Commutes for AISD by 20% by 2020 (CoA Mobility Pledge)
- Reduce GHG Emissions from transportation to reach net zero emissions by 2050 (aligns with CoA Community Climate Action Plan)





FOOD & NATURE

- By 2025, 65% of cafeteria food budget used for local product purchasing
- By 2020, all campuses have an active food garden and two lessons per grade level designed to enhance student awareness about nutrition & sustainable food systems





FOOD & NATURE

- By 2017 all new construction projects include outdoor learning spaces
- By 2020, establish professional development curriculum for teachers to teach core content in nature
- Implement sustainable land and urban forest management practices





ENERGY & WATER

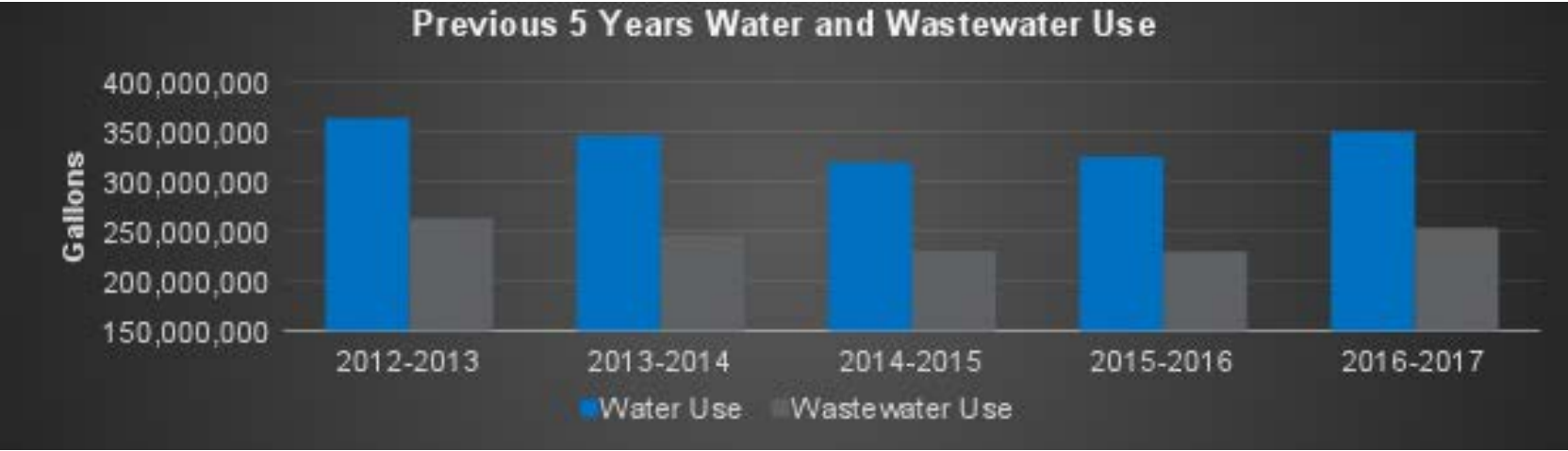
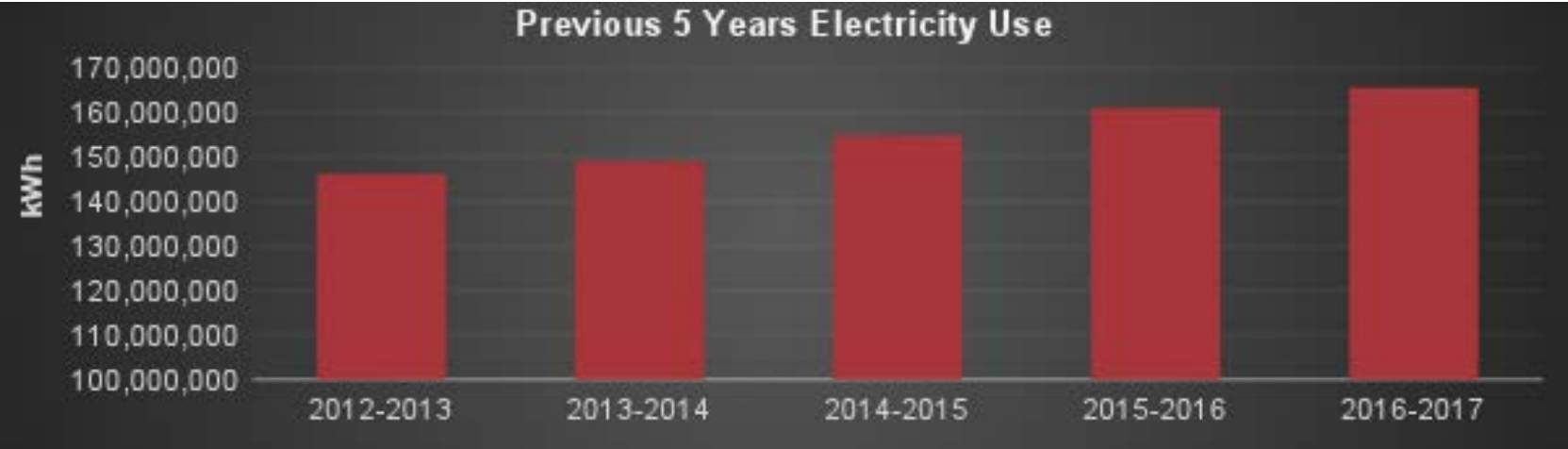
- By 2020, 20% of power sourced from non-emitting, renewable sources
- Establish a district-wide energy policy
- By 2017, integrate responsible energy management & water conservation into building design and equipment for existing campuses.
- Improve HVAC controls





ENERGY AND WATER USAGE

Electricity and Water Use:



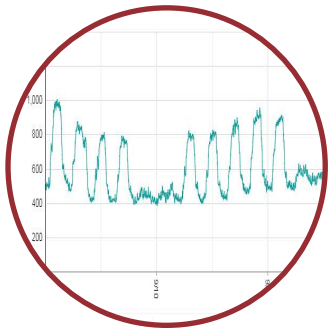


ENERGY AND WATER CONSERVATION

2015 – 2020 Strategic Plan:

Develop **best practices** and **projects** to reduce energy usage and implement **energy conservation program**

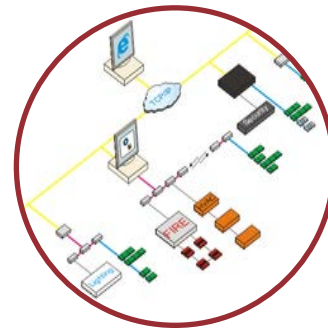
Significant opportunities:



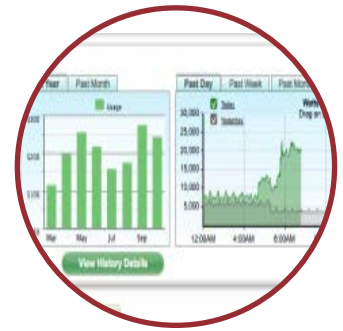
Improve Utility Data



Set Energy Policy



Improve HVAC Controls

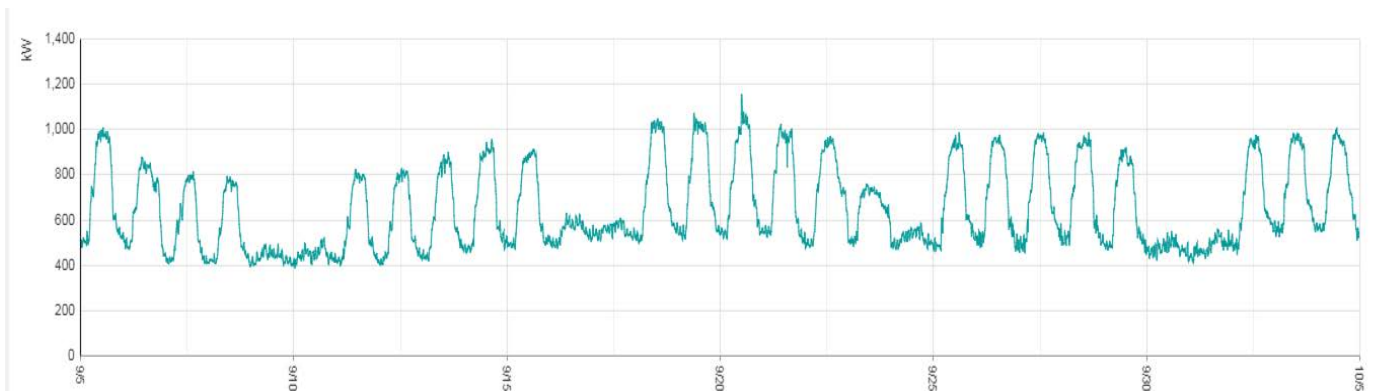


Campus Awareness & Engagement

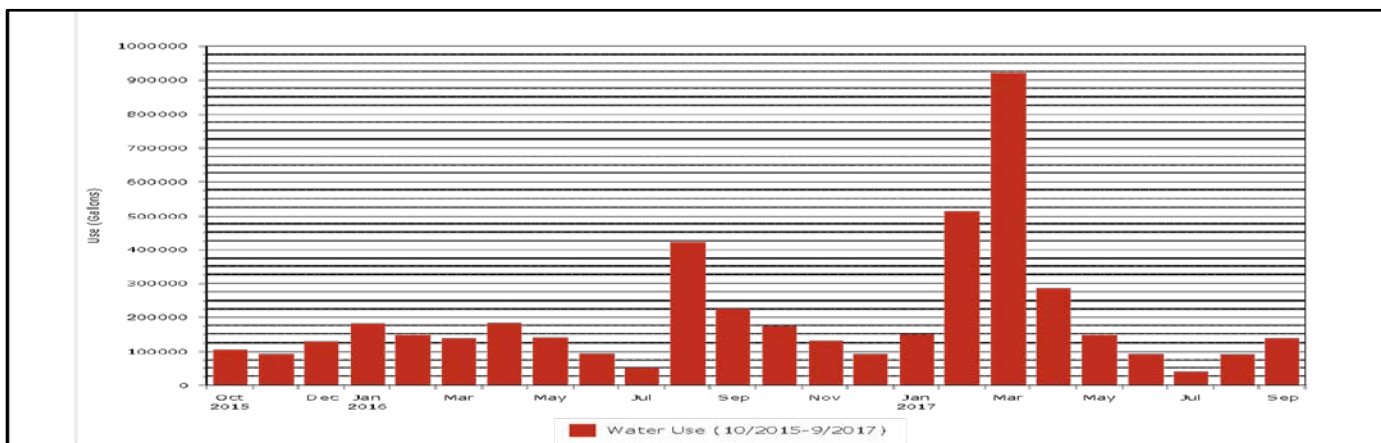


UTILITY DATA

Electricity Interval Data



Water Use Data





CURRENT ACTIVITIES

Austin Energy Rebates - 547 kW, 1.5 million kWh avoided

Austin Energy Time-of-Use Trial - Nights & Weekends rate

Austin Energy Load Co-Op - 21,000 kWh avoided in 2017

Energy Savings Performance Contract

Solar PV Array Installations



SOLAR PV ARRAYS



Austin HS 120 kW



Lanier HS 180 kW





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