

# 2022-23 Sustainability Task Force Report

April 20, 2023

---

## Presentation Overview

---

- History of Sustainability Task Force
- Baseline Data for Carbon Footprint
- Overview of Current Projects/Initiatives
- Progress Monitoring



## History of Sustainability Task Force



## Baseline Data for Carbon Footprint

- 3 Primary Areas of Focus for Carbon Emissions:
  - Electricity Consumption
  - Natural Gas Consumption
  - Waste Diversion

Indicator	Annual Baseline
Kilowatt Hours (KWH)	363 Metric Tons of CO2
Therms of Natural Gas	42.7 Metric Tons of CO2
Waste Diversion from Landfill	51% Diversion Rate



---

## Baseline Data for Carbon Footprint

---

- Other factors that are being considered:
  - Potential carbon offsets for landscaping and/or construction
  - Renewable energy generation by Southern California Edison
    - Currently 40% of energy comes from renewable sources
    - SCE intends to increase to 60% by 2030
  - Credit potential for large scale recycling events or repurposed textiles (i.e. clothing, footwear, etc...)
  - Continue to increase our water conservation efforts



## Overview of Current Projects/Initiatives

- The Sustainability Task Force developed a database to identify current projects/initiatives that are broken down by the following categories:
  - District-wide
  - Departmental
  - School Site Specific

*Design Team*

*Project*

*Research*

*Work Plan & Monitoring*

1	DESIGN TEAM	PROJECT	RESEARCH/DESIGN	WORK PLAN LINK	MONITORING
2	DISTRICTWIDE				
3	GOAL 1 REDUCE ENVIRONMENTAL IMPACTS & COSTS				
4	Target A – Reduce Energy Use & Costs	Adding solar.	Feasibility of additions at each site, DSA impacts, funding requirements. <a href="#">Current SCE Data for renewable sources.</a>	Facilities Master Plan	Annual approval of plan with implementation schedule.
5	Target B – Reduce Water Use & Costs	Synthetic turf at elementary playfields and conversion of existing landscape to native/drought tolerant.	Current water usage at TOW and EMS, potential conversion costs, opportunities to integrate natural landscaping and/or shade.	Facilities Master Plan	Annual approval of plan with implementation schedule.
6	Target C – Reduce Waste & Waste Costs	Increase waste diversion through robust waste management system that is consistent amongst all sites.	Conduct waste audit, identify bin quantities by type and location for placement, explore services from other waste management providers, custodial training, need for additional waste receptacles and placement locations to optimize diversion.	Waste Management Plan	Create implementation plan and annual audit schedule to verify effectiveness and make modifications as necessary. Trash audit to be provided by BCK consultant for training site staff on process and standardize approach across the district.
7	Target C – Reduce Waste & Waste Costs	Convert files to digital records.	Storage, naming, and conversion through third parties to create digital library of current and historical documents.		Annual phasing to complete digitization of files districtwide.
8	Target D – Design, Operate, & Maintain Sustainable Buildings	Establish General or Special Conditions to require new buildings and modernizations to conform to standards beyond Title 24 that are consistent with the CHPS and/or LEED.	Sample specifications used for recent LEED and CHPS certified projects. Work with architects to customize to provide specifications that cover design and operational requirements for reducing carbon footprint.	Front-end bid documents	Each project
9	GOAL 2 IMPROVE THE HEALTH & WELLNESS OF SCHOOLS, STUDENTS, & STAFF				
10	GOAL 3 PROVIDE EFFECTIVE ENVIRONMENTAL EDUCATION				
11	DISTRICT DEPARTMENTS				
12	FACILITIES				



Unified School District

*Sustainability* 

---

## Overview of Current Projects/Initiatives

---

- District-wide Projects/Initiatives:
  - Solar expansion and addition opportunities
  - Conversion of playfields to synthetic and incorporation of native, drought tolerant landscaping
  - Development of a uniform waste management program to increase diversion to landfill (100% goal)
  - Creation of General or Special Conditions that require new construction or modernization work to be built in alignment with sustainable goals (i.e. Leadership in Energy and Environmental Design or Collaborative for High Performance Schools)



---

## Overview of Current Projects/Initiatives

---

- Department level project highlights:
  - Facilities - Expansion of Energy Management Systems and addition of water bottle filling stations
  - Nutrition - Reducing the amount of packaging and single-use consumables for student meals
  - Business - Creation of cost center to track expenditures and conversion of all vehicles, including buses, to electric
  - Technology - Elimination of single-use air canisters and expansion of wireless services to support outdoor learning





Unified School District

*Sustainability* 

---

## Overview of Current Projects/Initiatives

---

- Department level project highlights:
  - Communications - Development of a webpage and signage to highlight work
  - Instruction - Expand environmental studies through incorporation into existing units and expand opportunities for students with a new coordinator position
  - Human Resources - Incorporate sustainability requirements into job descriptions as appropriate and create stipends to support site-based activities



---

## Overview of Current Projects/Initiatives

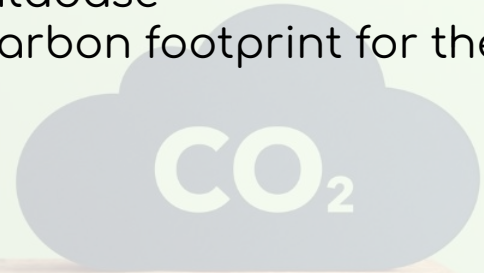
---

- Site level project highlights:
  - Create or formalize student “Green Teams” to support sustainability efforts and identify opportunities to increase student participation and awareness
  - Increase opportunities for outdoor learning and engage with facilities/technology as needed
  - Eliminate single-use, non-recyclable consumables that are used by staff (primarily staff lounges)



## Progress Monitoring

- Sustainability webpage will be primary source for updates and tracking progress towards our goal of being carbon neutral by 2030.
- Sustainability Task Force will continue to be used to provide status updates and maintain project database
- Facilities is developing plan to reduce carbon footprint for the 3 primary areas being measured:
  - Electricity Consumption
  - Natural Gas Consumption
  - Waste Diversion



# 2023-24 Sustainability Task Force Report

April 20, 2023