

**Sustainability Action Plan
Board Update**

1. Awards
 - a. Salt Lake City District won several awards on Sustainability Resolution.
 - i. 2022 Energy Champion Education K-12 Award for Leadership and Commitment to Energy Conservation
 - ii. School Transportation News (STN) Green Bus Summit Fleet Award
 - iii. Utah Clean Cities Electric Fleet School District of the Year Award
2. Education
 - a. Greg Libecchi and Paul Schulte presented the Sustainability Resolution and Action Plan at the following conferences:
 - i. Utah Facilities Operation & Maintenance Association in St. George, UT
 - ii. Association of Energy Engineers – Energy Efficiency & Sustainability Experts in Sandy, UT
 - b. Candace Penrod, Greg Libecchi, Paul Schulte, and James Yapias presented the Sustainability Resolution.
 - i. They presented to all administrators during Administrator’s Institute August 2022.
 - ii. They also presented at three Sustainability sessions during August Professional Learning Days.
 - c. Launched SLCSDD PBEL (Pebble) Place Based Experiential Learning.
 - d. Teaching & Learning has worked with Salt Lake Educational Foundation to provide outdoor learning and place based STEM field trips.
 - e. SLCSDD has been invited to present at the National School Boards Association’s 2023 Annual Conference.
3. New Schools/District Office
 - a. Architects are required to design to maximum efficiency standards and zero carbon option.
 - b. Non-essential landscape will be designed drought tolerant alternative to Kentucky Blue.
 - c. Solar on building rooftops is now standard operating procedure.

4. Existing School Efficiency Upgrades

- a. Projected savings from the phase 1, \$29.5 million Performance Contract, is 24% reduction in CO₂ footprint, or 7,500 Metric Tons reduction from the baseline 31,000 Metric Tons.
- b. LED lighting has been installed in all classrooms at East high school and 5 elementary schools (Newman, Backman, Ensign, Beacon Heights, and Franklin).
- c. West high school Field House gymnasium lighting fixtures have been converted to LED.
- d. Remaining schools are expected to be fully LED by June 2023.
- e. Electrification of two elementary schools is scheduled for summer 2023.
- f. HVAC controls optimization work is currently underway to maximize savings.
- g. Water conservation measures are completed at all schools and district buildings.
 - i. Bathroom faucets, toilets, and urinals have been retrofitted.
 - ii. Projected savings targeted at 12 million gallons or 42% reduction in water used within district buildings (not including irrigation).
 - iii. Irrigation is on target to remain at reduced rates, nearly 40 million gallons below baseline consumption or roughly 20%.

5. Renewable Energy

- a. 6 school are scheduled to receive rooftop solar arrays totaling 1 MW, 2,500 panels.
 - i. Bonneville renewable energy underway, should be completed by end of October (340 panels).
 - ii. Whittier scheduled to receive materials October 12 (510 panels).
 - iii. Project completion expected to be sometime mid to late 2023.

6. Integrated Pest Management (IPM)

- a. New Integrated Pest Management website is finalized and running full time
- b. Currently working with pesticide vendor to develop a list of green and safer products.

7. Recycling and Composting

- a. Paper/cardboard recycling program continues at all schools and efforts are being made to increase community outreach and participation.
- b. Custodial leadership is reaching out to local recyclers to investigate options for partnering regarding plastics and metals.

- c. Meetings with high school environmental clubs scheduled for after fall break.
 - d. Wasatch and Bonneville Elementary Schools are sending food waste to Wasatch Resource Recovery, a biodigester operation that converts food waste to natural gas and converts the remaining material to compost.
8. Green Cleaning (Indoor Air Quality - IAQ)
- a. Developing a certification process with Healthy Schools Campaign and Green Seal which targets cleaning for health. They combat pathogens using the least toxic chemicals and applying best practices.
 - b. Continuing use of Merv 13 air filters
 - c. Purchased four Indoor Air Quality monitors which will be rotated around all schools for tracking:
 - i. PM2.5 – particulate matter 2.5 (PM2.5), refers to tiny particles or droplets in the air that are two- and one-half microns or less in width.
 - ii. TVOC - Total Volatile Organic Compounds (TVOC). The volume of gas per classification and the sum of all gases (TVOC) are important reflections of the relevant organic compounds found in indoor air.
 - iii. CO2 – Carbon Dioxide
 - iv. Temperature
 - v. Humidity
9. Farm-to-School
- a. As a result of Supply Chain related issues, very little has been done to enhance Child Nutrition purchasing of food and food related materials. The report reads, “Happy to get what we can when we can get it to keep students fed.”
10. Funding Partners
- a. \$23.5 Tax Exempt Lease Purchase (TELP) Agreement is in place.
 - i. Paying off loan with guaranteed savings from performance contract work.
 - b. Looking to use TELP funding mechanism to finance future energy related projects.
 - c. Rocky Mountain Power – evaluating incentive offerings
 - i. Solar plus battery storage
 - ii. Over \$1 million incentive payment expected as a result of district-wide LED retrofitting.

11. Transportation

- a. Evaluating leasing options for Auxiliary Services maintenance and food service vehicles.
- b. By the end of this year, the Transportation Department will receive 4 more electric buses to add to the 8 electric busses the District already has.
- c. Grants are in the works for 12 additional electric buses and charging infrastructure.