



# GreenBVSD

BVSD ACTION PLAN

2021-2026

Submitted on September 14, 2021



**BOULDER VALLEY SCHOOL DISTRICT**



# BOULDER VALLEY

## SCHOOL DISTRICT

## **Vision**

All together, for all students  
and the planet.

## **Mission**

As a leader in whole district sustainability, Boulder Valley School District creates healthy learning environments and experiences that equip all students and staff with the knowledge and skills to create more equitable and sustainable communities.

# A MESSAGE

## from Dr. Anderson

April 2021

Dear Readers,

BVSD is pleased to share this report on our progress toward the goals established in the 2015 Sustainability Management System (SMS). We are proud of the progress we've made, while remaining mindful that there is still more work to do. Since BVSD first adopted a Sustainability Management System in 2009, formally embracing our role to lead by example and our responsibility to prepare our students to live sustainable lives, we have seen climate change move from the realm of scientific theory to reality. Record-breaking wildfire seasons have brought the reality home, with flames chasing Boulder Valley residents from their homes and smoke-filling our skies for days. The imperative need for substantial, productive action to address climate change is abundantly clear.

Although current conditions amplify the necessity and urgency for the sustainability work we are doing, I am heartened and hopeful when I see what we have accomplished and the goals we have set. Since our SMS was last updated in 2015, BVSD has reduced our greenhouse gas (GHG) emissions by 13%, and we are targeting another 14% reduction over the next five years. Through our bond-funded construction program, we have improved our overall energy efficiency by 24%. This work has positioned us to move toward being Zero Energy and climate neutral by 2050. Through this work, we have continued to prioritize student and staff health and indoor environmental quality. What gives me the greatest hope is seeing how BVSD students are mobilizing to contribute to this work. Over the last five years, every school in the district has had some form of Green Team that supports activities like gardens, recycling programs, energy competitions, and more.

With the release of our new Action Plan in September 2021, we are evolving how we fulfill our sustainability mission. Moving forward, our work will take place in four strategic priority areas: Leadership, Facilities and Operations, Curriculum and Instruction, and Climate and Culture. In education, we know at our core that the way to touch the future and make an impact is by preparing students to meet the challenges of their world. This is all the more true as we face the threat of climate change. As we continue to lead by example, we will prioritize this work and stay focused on equipping students with the knowledge and skills needed to empower them to co-create a sustainable future.

Dr. Rob Anderson  
Superintendent



## Executive Summary

In January 2010, the Board of Education passed BVSD Board Policy ECF, one of the first K-12 school districts in the nation to acknowledge the importance of preparing students to co-create a sustainable future. This policy also required the Superintendent to “monitor, evaluate, and report on the district’s progress toward environmental sustainability, including the cost effectiveness of relevant programs.” Since 2010, BVSD has reviewed the SMS every five years and set new goals for the subsequent five years. The 2021 - 2026 SMS Action Plan is the third in a series of SMS plans that has charted the course for BVSD to integrate best practices across the entire school system related to healthy, equitable, and sustainable schools.

The 2021 - 2026 SMS Action Plan has emerged from hours of conversations, interviews, focus groups, and planning. It has been designed by the leaders and decision makers who have influence on each of the Impact Systems and has been reviewed by Superintendent Dr. Anderson and his Cabinet members. Working with the Green Schools National (GSNN), this Action Plan will help the District focus on systems and structures that will both deepen practice and understanding the impact of the SMS on those who work, learn and play in BVSD schools and facilities throughout the years.

The structure of the 2021 - 2026 SMS Action Plan is somewhat different from the previous plans. In earlier SMS plans four focus areas were used to organize the plan. Those areas included Education, Buildings, Materials Flow, and Transportation. The work with the GSNN has helped the District to shift our focus to taking action and creating the systems needed to collect data to assess progress and make decisions in four strategic priority areas. These Strategic Priorities include: Leadership; Facilities and Operations; Curriculum and Instruction, and Climate and Culture. The Action Plan has identified long-term overarching Goals; as well and Indicators and Measures staff will use to assess progress. Appendix A provides a detailed plan of processes and initiatives staff will undertake each year of this Action Plan to achieve these goals.

The District is excited to deepen our practice, gather more robust data, and understand more fully the impact on faculty, staff and students as the District continues the journey of transforming into a healthy, equitable, and sustainable school district where all faculty, staff, and students are engaged and prepared to lead us into a sustainable future.



**GREEN SCHOOLS  
NATIONAL NETWORK**



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<small>(Living Document)</small>	



## Strategic Priority

# Leadership

### OVERARCHING GOAL:

By 2026, BVSD will collect and report consistent data at 100% of schools related to healthy, equitable and sustainable school best practices. This data will include measures related to operations, climate and culture, and curriculum and instruction.

### INDICATORS AND MEASURES:

- Progress as measured by the GSNN GreenPrint Implementation Review
- Site Based Dashboards
- Relevant Program Data
- SMS Advisory Group minutes and reports
- Professional Learning Database
- Shifts in Operational Policies and Budget Expenditures
- Engagement with GSNN Web Portal Resources; virtual and site based seminars; webinars; Green Schools Conference;
- GSNN/Johns Hopkins Sustainability Mindset data
- Key External Partner Engagement: Alliance, GSNN



## SUPPORTING GOALS:

1. BVSD Leadership will establish a cross sector SMS advisory group to oversee progress and continuous improvement related to all aspects of the SMS. This group will comprise of key leaders and decision makers from key departments.
2. BVSD will develop a dashboard that allows each school to understand their level of participation and implementation of BVSD key initiatives that support the SMS vision and mission.
3. BVSD will have a professional learning plan for 100% of faculty and staff that supports deeper learning and practice related to sustainability.
4. Operational policies and practices related to indoor air quality and sustainable purchasing will be reviewed and amended as needed to support systematic implementation of best practices.



## Strategic Priority

# Facilities and Operations

### OVERARCHING GOAL:

By 2026, BVSD will continue to pursue net-zero energy by reducing its greenhouse gas emissions from the 2018-19 baseline by 14% through capital investments and ongoing operational efficiencies and develop a water management plan that models responsible water use in an arid climate.

### INDICATORS AND MEASURES:

- Progress as measured by the GSNN GreenPrint Implementation Review and Insight Report
- Annual Site & District Diversion Rates
- Annual Site & District Energy Use Intensity (EUI)
- Annual Site & District Water Use (KGal)
- Annual District Greenhouse Gas Emission (GHG)
- Operations Dashboard for Energy, Water, Waste, and Transportation
- SMS Advisory Group Minutes and Reports
- Green Building Team Minutes and Reports
- Key External Partners: Xcel Energy, Alliance (County, City, CU, St. Vrain)

## SUPPORTING GOALS:

1. By 2026 BVSD will develop an assessment plan that incorporates the 2021 Green Building Guiding Principles as part of the Facility Assessment and all decision making related to capital expenditures to ensure that SMS targets are met.
2. BVSD will continue to pursue zero waste by maintaining a diversion rate of 50% while streamlining a data collection system that will allow for more specific interventions to increase this diversion rate where possible
3. BVSD will decrease EUI from 64 to 56 by 2026. This means the district will:
  - Design all new buildings to meet LEEDv4.1 GOLD standard certification and become Zero Energy (ZE) or Zero Energy Ready (ZER) with a site EUI target of 18.7 for Primary Schools and 19.0 for Secondary Schools;
  - Implement Deep Energy Retrofits to reduce existing building energy use by targeting existing site EUI to 35 for Primary Schools and 40 for Secondary Schools; and Develop a plan for integrating renewables into the BVSD energy plan.
4. BVSD will develop a balanced water management plan to support local stormwater management and decrease water consumption by 5% Kgal. This management plan will include:
  - a system to track monthly water consumption at each site;
  - plumbing improvements based on design standards;
  - use of independent meters for irrigation meters;
  - landscape design and green school yards to optimize evapotranspiration irrigation systems; and
  - use efficient and life-cycle costing to evaluate design choices and options.
5. BVSD will support community GHG emission reduction goals by improving transportation efficiencies and decreasing GHG Emissions levels by 750 MTCO<sub>2</sub>e\* as compared to 2020 levels. This means that BVSD will:
  - Improve district fleet efficiencies and increase the number of Alternative Fuel Fleet vehicles; and
  - Develop a site based data system that assesses the mode share of students, staff and parents so that each school can increase the number of students riding the bus, car pooling, using RTD, and other modes of transportation (walking and biking).

\*750 is 2% of the 2018-19 GHG emissions for fuel as related to transportation and 750 is 25% of the carbon emission for transportation in 2018/19



## Strategic Priority

# Curriculum and Instruction

### OVERARCHING GOAL:

By 2026, all students at every grade level will have meaningful and developmentally appropriate experiences to develop sustainability knowledge, values and behaviors. These will include learning experiences related to environmental and sustainability education that support the goals and outcomes determined by the strategic plan.

### INDICATORS AND MEASURES:

- Progress as measured by the GSNN GreenPrint Implementation Review, specifically items related to Curriculum and Instruction.
- Professional Learning Database, specifically data related to Professional Learning opportunities provided to staff related to Essential Skills of Global Citizenship and Sustainability
- Assessment data and projects from Instructional units that address prioritized standards related to Essential Skills of Global Citizenship and Sustainability;
- Consistency in implementation of units that address Essential Skills of Global Citizenship and Sustainability;
- Articulation Agreements with Strategic Partners; Efficacy of Services Provided by Strategic Partners
- Key External Partners: EMovement, GSNN



## SUPPORTING GOALS:

1. By 2026, BVSD will identify how and where Education for Sustainability (EfS) topics will be integrated into common instructional units that enhance mastery of the standards and skills that are being assessed at each grade level.
2. By 2026, BVSD will support and track professional learning by school leaders and teachers to implement best practices related to EfS.
3. By 2026, BVSD will have formal articulation agreements with strategic partners supporting learning related to global citizenship and sustainability that includes consistent reporting processes.



## Strategic Priority

# Climate and Culture

### OVERARCHING GOAL:

By 2026, all faculty, staff, students and families will have regular opportunities to experience sustainability in action.



### INDICATORS AND MEASURES:

- Progress as measured by the GSNN GreenPrint Implementation Review, specifically related to outdoor learning and culture.
- Site Based Dashboards
- Relevant Program Data
- Professional Learning Database
- Shifts in Operational Policies and Budget Expenditures
- GSNN/Johns Hopkins Sustainability Mindset data
- Key External Partner Engagement: E Movement; Xcel Energy, GSNN

## SUPPORTING GOALS:

1. By 2026 all elementary schools will have green schoolyards and outdoor learning spaces that may include but are not limited to gardens, nature play areas and vegetation/landscaping and/or natural habitat. All secondary schools will have increased outdoor seating and shaded areas.
2. The BVSD Sustainability Office will develop an ongoing/annual 12 month communication strategy for increasing awareness of the work that BVSD is doing related to the SMS. This will include, but not be limited to: a newsletter, a calendar of district wide events, awards, working with the communications team to develop a communications strategy, and other community based sustainability events.
3. By 2026, BVSD has a continuous improvement and tracking system for the model programs that already exist. This means that staff will work toward ensuring that each of the following programs continues to support the goals of the SMS:
  - a. School Food Project
  - b. Green Star Schools Program
  - c. Green School Supplies
  - d. Green Teams
  - e. Indoor Air Quality
  - f. Energy Challenge
  - g. Trip Tracker



# ACKNOWLEDGEMENTS

The development of the SMS 2021-2026 Action Plan would not have been possible without the input and support from staff, parents, teachers, and community partners. The individuals listed below participated through focus groups, ad-hoc committees, survey and review panels; and as members of committees with expertise and interest in this process.

This Action Plan was prepared with the support of Green Schools National Network

For more information about the Sustainability Management System, visit the Office of Sustainability web page: <https://www.bvsd.org/departments/operational-services/sustainability/sustainabilitymanagement-system>

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# Appendix

## Year to Year Work Plan

(Living Document)



# **BOULDER VALLEY**

## **SCHOOL DISTRICT**

## **Mission**

All together, for all students and the planet.

## **Vision**

As a leader in whole district sustainability, Boulder Valley School District creates healthy learning environments and experiences that equip all students and staff with the knowledge and skills to create more equitable and sustainable communities.

# STRATEGIC PRIORITY: LEADERSHIP

## OVERARCHING GOAL:

By 2026, BVSD will collect and report consistent data at 100% of schools related to healthy, equitable and sustainable school best practices. This data will include measures related to operations, climate and culture, and curriculum and instruction.

SUPPORTING GOALS: 1,2	2021-22	2022-23	2023-24	2024-25	2025-26
<p>BVSD Leadership will establish a cross sector SMS advisory group to oversee progress and continuous improvement related to all aspects of the SMS. This group will comprise of key leaders and decision makers from key departments.</p>	<p>BVSD Leadership will meet with the Sustainability Coordinator to discuss the role of this Advisory Group.</p> <p>The Sustainability Coordinator will draft a proposal for this Advisory Group.</p> <p>The SMS Advisory Group will begin meeting according to the Superintendent's directive.</p>	<p>The Advisory Group will meet quarterly to review data related to SMS goals and determine interventions and or supports needed to continue to advance the goals in all departments.</p>	<p>The Advisory Group will meet quarterly to review data related to SMS goals and determine interventions and or supports needed to continue to advance the goals in all departments.</p> <p>The purpose and tasks of the SMS Advisory Group will be reviewed and adjusted as needed.</p>		
<p>BVSD will develop a dashboard that allows each school to understand their level of participation and implementation of BVSD key initiatives that support the SMS vision and mission.</p>	<p>The data to be displayed on the dashboard will be defined.</p> <p>The format, template, and process for data collection will be defined.</p> <p>GSNN GreenPrint baseline data collection (when convenient)</p> <p>Stakeholders and participants: Communications; Technology; Sustainability Coordinator</p>	<p>Working with communications and technology dept. a framework to embed these data and webpages into the BVSD website</p> <p>GSNN GreenPrint Implementation Review Spring and Fall (Using items related to Action Plan)</p>	<p>Web pages will be populated</p> <p>Web pages will be updated on a quarterly basis.</p> <p>GSNN GreenPrint Implementation Review Spring and Fall (Using items related to Action Plan)</p> <p>GSNN Sustainability Mindset Pilot</p>	<p>Web pages will be updated on a quarterly basis.</p> <p>GSNN GreenPrint Implementation Review Spring and Fall (Using items related to Action Plan)</p> <p>GSNN Sustainability Mindset Revised</p>	<p>Web pages will be updated on a quarterly basis</p> <p>GSNN GreenPrint Implementation Review Spring and Fall (Using items related to Action Plan)</p> <p>GSNN Sustainability Mindset Revised</p>

# STRATEGIC PRIORITY: LEADERSHIP

SUPPORTING GOALS: 3,4	2021-22	2022-23	2023-24	2024-25	2025-26
<p>BVSD will have a professional learning plan for 100% of faculty and staff that supports deeper learning and practice related to sustainability.</p>	<p>A series of summits/workshops will be held with BVSD school and department leaders to introduce the SMS and facilitate goal setting for annual plans or unified improvement plans.</p>	<p>Goals are included in annual plans and unified improvement plans</p> <p>A virtual Sustainable Schools 101 is offered to all faculty and staff.</p> <p>GreenPrint and other data are used to identify needs for professional learning to achieve goals.</p>	<p>Sustainability Coordinator and Professional Learning Department develops a record keeping system and uses data to create a professional learning plan for staff in all departments and schools.</p>	<p>Goals are included Professional Learning Plan is implemented.</p>	
<p>Operational policies and practices related to indoor air quality and sustainable purchasing will be reviewed and amended as needed to support systemic implementation of best practices.</p>	<p>The Operations Department policy will be updated to include IAQ language.</p> <p>Staff will develop standard operating procedure recommendations that will be incorporated into practice.</p>	<p>Purchasing and Operations will take recommendations for non-toxic school supplies and ensure that green cleaning and non-toxic products are used throughout the district.</p> <p>Begin work with schools to update school supplies lists.</p>	<p>On-going monitoring of IAQ data provided by the IAQ Team will be incorporated into the SMS Advisory Group. This group will provide direction as needed for full implementation of IAQ practices and procedures across all schools and departments.</p> <p>All schools have updated school supplies list to reflect green purchasing and IAQ best practices.</p>		

## INDICATORS AND MEASURES

Progress as measured by the GSNN GreenPrint Implementation Review  
 Site Based Dashboards  
 Relevant Program Data  
 SMS Advisory Group minutes and reports  
 Professional Learning Database  
 Shifts in Operational Policies and Budget Expenditures  
 Engagement with GSNN Web Portal Resources; virtual and site based seminars; webinars; Green Schools Conference;  
 GSNN/Johns Hopkins Sustainability Mindset data  
 Key External Partner Engagement: Alliance, GSNN

# STRATEGIC PRIORITY: FACILITIES AND OPERATIONS

## OVERARCHING GOAL:

By 2026, BVSD will continue to pursue net-zero energy by reducing its greenhouse gas emissions from the 2018-19 baseline by 14% through capital investments and ongoing operational efficiencies and develop a water management plan that models responsible water use in an arid climate.

SUPPORTING GOALS: 1	2021-22	2022-23	2023-24	2024-25	2025-26
<p>By 2026 BVSD will develop an assessment plan that incorporates the 2021 Green Building Guiding Principles as part of the Facility Assessment and all decision making related to capital expenditures to ensure that SMS targets are met.</p>	<p>The Green Building Guidelines will be updated to reflect SMS Action Goals in this document.</p> <p>The criteria from the 2021 Green Building Guidelines will be incorporated into the district tool used to assess inventory of all buildings and grounds.</p> <p>A Green Building Team will be created that includes a representative who understands the data related to Energy, Waste, Water, and Transportation. This team will meet with the Sustainability Coordinator and a GSNN team member each quarter to review data and update the Building and Operations Action Plan.</p> <p>GSNN and BVSD will explore federal, state, and local opportunities that will support this overarching goal.</p>	<p>The data gathered through this assessment process will be used for decisions related to capital expenditures.</p> <p>The inventory/assessment will be updated as each project is completed.</p> <p>The Green Building Team will meet with the Sustainability Coordinator and a GSNN team member each quarter to review data and update the Building and Operations Action Plan and School Dashboards. GSNN and BVSD will explore federal, state, and local opportunities that will support this overarching goal.</p>	<p>The inventory will become a tool that is utilized by the Facilities and Operations team to ensure that all children and staff have equitable access to healthy work and learning environments.</p> <p>The Green Building Team will meet with the Sustainability Coordinator and a GSNN team member each quarter to review data and update the Building and Operations Action Plan and School Dashboards.</p> <p>GSNN and BVSD will explore federal, state, and local opportunities that will support this overarching goal.</p>	<p>The Green Building Team will meet with the Sustainability Coordinator and a GSNN team member each quarter to review data and update the Building and Operations Action Plan and School Dashboards.</p> <p>GSNN and BVSD will explore federal, state, and local opportunities that will support this overarching goal.</p>	<p>The Green Building Team will meet with the Sustainability Coordinator and a GSNN team member each quarter to review data and update the Building and Operations Action Plan and School Dashboards.</p> <p>GSNN and BVSD will explore federal, state, and local opportunities that will support this overarching goal.</p>

# STRATEGIC PRIORITY: FACILITIES AND OPERATIONS

SUPPORTING GOALS: 2	2021-22	2022-23	2023-24	2024-25	2025-26
<p>BVSD will continue to pursue zero waste by maintaining a diversion rate of 50% while streamlining a data collection system that will allow for more specific interventions to increase this diversion rate where possible.</p>	<p>The Green Star Schools Program will increase by 2 - 3 schools per year.</p> <p>A standardized measure of diversion rates will be adopted at each school in order to optimize hauling costs and services across the district will allow the district to continue progress on this goal.</p> <p>All Waste stream contractors (trash, recycling, and composting) will be required to provide monthly or quarterly hauling reports, so that actual waste totals can be measured in a standard metric format (pounds, cubic yards, etc). These reports can be used to calculate district and campus diversion rates on a quarterly basis.</p>	<p>Using these data, in addition to other relevant data, schools will be selected for the Green Stars Schools program.</p>	<p>Data will be monitored regularly and shared with the SMS Advisory Team.</p> <p>The Green Star Schools will transition to a partnership model of implementation designed to lift up the custodial staff as leaders of learning and coaches of student Green Teams.</p>		<p>The Green Star Schools program will include 95% all schools and facilities.</p>

# STRATEGIC PRIORITY: FACILITIES AND OPERATIONS

SUPPORTING GOALS: 3	2021-22	2022-23	2023-24	2024-25	2025-26
<p>BVSD will decrease EUI from 64 to 56 by 2026.</p> <p>This means we will:</p> <p>Design all new buildings as Zero Energy (ZE) or Zero Energy Ready (ZER), targeting a site EUI of 18.7 for Primary Schools and 19.0 for Secondary Schools.</p> <p>Implement Deep Energy Retrofits to reduce existing building kBtu/SF averages to the following levels, which represent an average reduction of approximately 50%: 40 kBtu/SF at Secondary Schools and 35 kBtu/SF at Elementary Schools.</p> <p>and</p> <p>Develop a plan for integrating renewables into the school district's energy plan</p>	<p>The Energy Team and Operations Assessment Team will assess all buildings using the VFA Questionnaire to ensure that all buildings are meeting the minimum standards for efficiency, identify projects that will increase efficiency, and determine large projects that will allow the district to have equitable learning environments and achieve these goals.</p>	<p>The Energy team will use baseline EUI data from each building, data from the VFA Questionnaire to prioritize capital investments, site-based energy conservation goals, and address education, and professional development needs.</p>	<p>The Energy Team works with the needed district and community partners to implement the Energy Management Plan.</p>	<p>The Energy Team works with the needed district and community partners to implement the Energy Management Plan and reports impact to the SMS Advisory Team.</p>	<p>The Energy Team will continue to monitor the impact of the Energy Management Plan and make adjustments as needed to ensure district-wide consistencies.</p>

# STRATEGIC PRIORITY: FACILITIES AND OPERATIONS

SUPPORTING GOALS: 4	2021-22	2022-23	2023-24	2024-25	2025-26
<p>BVSD will develop a balanced water management plan to support local stormwater management and decrease water consumption by 5% Kgal.</p> <p>This management plan will include a system to track monthly water consumption at each site; plumbing improvements based on design standards; use of independent meters for irrigation meters; landscape design and green school yards to optimize evapotranspiration irrigation systems; and use efficient and life-cycle costing to evaluate design choices and options.</p>	<p>The Operations Assessment Team will assess all buildings using the VFA Questionnaire to assess what water efficiency strategies exist at each building and identify projects that will increase efficiency.</p> <p>A Water Team composed of operations and educational personnel will be established.</p>	<p>The Water team will use baseline Kgal data from each building, data from the VFA Questionnaire to develop a water management plan that includes capital investments, site-based water conservation goals, education, and professional development.</p>	<p>The Water Team works with the needed district and community partners to implement the Water Management Plan.</p>	<p>The Water Team works with the needed district and community partners to implement the Water Management Plan and reports impact to the SMS Advisory Team.</p>	<p>The Water Team will continue to monitor the impact of the Water Management Plan and make adjustments as needed to ensure district-wide consistencies.</p>

# STRATEGIC PRIORITY: FACILITIES AND OPERATIONS

SUPPORTING GOALS: 5	2021-22	2022-23	2023-24	2024-25	2025-26
<p>BVSD will support community GHG emission reduction goals by improving transportation efficiencies and decreasing GHG Emissions levels by 750 MTCO<sub>2</sub>e* as compared to 2020 levels. This means that BVSD will:</p> <p>Improve district fleet efficiencies and increase the number of Alternative Fuel Fleet vehicles; and</p> <p>Develop a site based data system that assesses the mode share of students, staff and parents so that each school can increase the number of students riding the bus, car pooling, using RTD, and other modes of transportation (walking and biking).</p>	<p>Data that will be included in the site based dashboards will be identified.</p> <p>The format, template, and process for data collection will be defined by each program.</p> <p>The Transportation Team will use these baseline data to create a five-year plan for site by site reduction of emissions.</p> <p>Together with GSNN, BVSD will explore federal, state, and local opportunities for alternative fuel vehicles and other opportunities that will support this goal.</p>	<p>The Team will meet monthly to review and analyzed data, report on key initiatives, and make adjustments to the plan as needed.</p>			

\*750 is 2% of the 2018-19 GHG emissions for fuel asa related to transportation and 750 is 25% of the carbon emission for transportation in 2018/19

# STRATEGIC PRIORITY: FACILITIES AND OPERATIONS

## INDICATORS AND MEASURES

Progress as measured by the GSNN GreenPrint Implementation Review and Insight Report

Annual Site & District Diversion Rates

Annual Site & District Energy Use Intensity (EUI)

Annual Site & District Water Use (KGal)

Annual District Greenhouse Gas Emission (GHG)

Operations Dashboard for Energy, Water, Waste, and Transportation

SMS Advisory Group Minutes and Reports

Green Building Team Minutes and Reports

Key External Partners: Xcel Energy, Alliance (County, City, CU, St. Vrain)

# STRATEGIC PRIORITY: CURRICULUM AND INSTRUCTION

## OVERARCHING GOAL:

By 2026, all students at every grade level will have meaningful and developmentally appropriate experiences to develop sustainability knowledge, values and behaviors. These will include learning experiences related to environmental and sustainability education that support the goals and outcomes determined by the strategic plan.

SUPPORTING GOALS: 1,2	2021-22	2022-23	2023-24	2024-25	2025-26
<p>By 2026, BVSD will identify how and where Education for Sustainability (Efs) topics will be integrated into common instructional units that enhance mastery of the standards and skills that are being assessed at each grade level.</p>	<p>Identify standards and units (specifically at elementary) where opportunities to integrate Efs topics naturally occur.</p> <p>Teachers will pilot the Sustainability and Systems Thinking rubrics when the Essential Skill of a Unit requires students to practice those skills.</p>	<p>Where appropriate teachers will begin to use the Essential Skills Rubric for Sustainability to provide students with feedback on their growth.</p>	<p>Teachers use the BVSD Instructional Model Innovation Configuration Maps to understand their level of implementation of the work in Instruction. They set goals based on next steps in the implementation model.</p>	<p>Support will be provided to address any gaps related to Efs identified in the from the implementation review process</p>	
<p>By 2026, BVSD will support and track professional learning by school leaders and teachers to implement best practices related to Efs.</p>	<p>Key personnel from Teaching and Learning will participate in the summits and workshops identified in Leadership Goals to deepen their understanding of the SMS.</p>	<p>Teachers and Leaders are provided opportunities to participate in the Sustainability Schools 101 Virtual Training.</p> <p>The GreenPrint and other data are used to identify needs for professional learning related to Essential Skills, and confidence related to implementing Efs.</p>	<p>Data from professional learning assessment and review of implementation of the Configuration Maps are used to design an Efs professional learning plan for the teaching and learning department.</p>	<p>All professional learning related to Efs will be included in the BVSD record keeping system to track participation.</p>	

# STRATEGIC PRIORITY: CURRICULUM AND INSTRUCTION

SUPPORTING GOALS: 3	2021-22	2022-23	2023-24	2024-25	2025-26
<p>By 2026, BVSD will have formal articulation agreements with strategic partners supporting learning related to global citizenship and sustainability that includes consistent reporting processes.</p>	<p>BVSD Sustainability Coordinator, Director of Teaching and the Department of Strategic Partners and Academic Support develop criteria, reporting processes, and determine how best to leverage strategic partners who are supporting student learning related to global citizenship and sustainability.</p>	<p>Criteria and reporting processes are used to create articulation agreements.</p>	<p>Articulation Agreements, Reporting Processes, and Partnership Efficacy are reviewed annually.</p>		

## INDICATORS AND MEASURES

Progress as measured by the GSNN GreenPrint Implementation Review, specifically items related to Curriculum and Instruction. Professional Learning Database, specifically data related to Professional Learning opportunities provided to staff related to Essential Skills of Global Citizenship and Sustainability

Assessment data and projects from Instructional units that address prioritized standards related to Essential Skills of Global Citizenship and Sustainability;

Consistency in implementation of units that address Essential Skills of Global Citizenship and Sustainability;

Articulation Agreements with Strategic Partners; Efficacy of Services Provided by Strategic Partners

Key External Partners: EMovement, GSNN

# STRATEGIC PRIORITY: CLIMATE AND CULTURE

## OVERARCHING GOAL:

By 2026, all faculty, staff, students and families will have regular opportunities to experience sustainability in action.

SUPPORTING GOALS: 1	2021-22	2022-23	2023-24	2024-25	2025-26
<p>By 2026 all elementary schools will have green schoolyards and outdoor learning spaces that may include but are not limited to gardens, nature play areas and vegetation/landscaping and/or natural habitat. All secondary schools will have increased outdoor seating and shaded areas.</p>	<p>Green schoolyards and outdoor learning spaces are included in Green Building Guidelines.</p> <p>The Facilities and Operations Assessment Team inventories all buildings to determine gaps and develops a plan for equitable access to green school yards and outdoor learning spaces by all students.</p> <p>BVSD uses the GSNN GreenPrint to identify where equity gaps exist in outdoor learning and play at all elementary schools.</p>	<p>Green school yards and outdoor learning spaces are developed where needed.</p> <p>BVSD works with GSNN and other local partners to assess teacher knowledge and skills for teaching outdoors and facilities managers for managing green school yards.. These data are used to create a professional learning plan to address gaps and opportunities.</p>	<p>Professional learning and land management training is implemented as part of the district's professional learning plan.</p>	<p>Materials, resources and policies exist to ensure that faculty staff and students have access and are learning outdoors.</p>	<p>All elementary students have 1 hour (or other standard determined by current research) of quality outdoor learning and exploration time per day.</p> <p>All high schools have policies in place for shared use of outdoor spaces and best teaching practices for outdoor learning.</p>

# STRATEGIC PRIORITY: CLIMATE AND CULTURE

SUPPORTING GOALS: 2	2021-22	2022-23	2023-24	2024-25	2025-26
<p>The BVSD Sustainability Office will develop an ongoing annual 12 month communication strategy for increasing awareness of the work that BVSD is doing related to the SMS. This will include, but not be limited to: a newsletter, a calendar of district wide events, awards, working with the communications team to develop a communications strategy, and other community based sustainability events.</p>	<p>The Sustainability Coordinator, GSNN Strategy Coach and Communications Team develops a communications plan that includes social media, local news media, newsletters and other outlets to promote BVSD's commitment to sustainability.</p>	<p>Data analytics are used to understand the communities needs and interests related to sustainability.</p> <p>These data are used to improve the communication plan.</p>	<p>The communication plan is updated to reflect changes as needed.</p>	<p>The communication plan is updated to reflect changes as needed.</p>	<p>The core values of sustainability are fully integrated in the organizational culture of BVSD as measured by the GSNN GreenPrint Implementation and Sustainability Mindset Assessment.</p>

# STRATEGIC PRIORITY: CLIMATE AND CULTURE

SUPPORTING GOALS: 3	2021-22	2022-23	2023-24	2024-25	2025-26
<p>By 2026, BVSD has a continuous improvement and tracking system for the model programs that already exist. This means that staff will work toward ensuring that each of the following programs continues to support the goals of the SMS:</p> <ul style="list-style-type: none"> <li>• School Food Project</li> <li>• Green Star Schools Program</li> <li>• Green School Supplies</li> <li>• Green Teams</li> <li>• Indoor Air Quality</li> <li>• Energy Challenge</li> <li>• Trip Tracker</li> </ul>	<p>Data from each of the existing projects that will be included in the site based dashboards will be identified.</p> <p>The Sustainability Coordinator and a GSNN team member will work with the technology team to create the format, template, and process for data collection that will interface with the site-based dashboards. These data will include: Trip Tracker, Green Teams, Energy Challenge; Green Star Program; Participation in Earth Day and other celebrations and assemblies; Outdoor Learning; IAQ data points (CO2, ATP, occupant surveys)</p>	<p>Using the defined process, data from each program will be integrated into the site-based dashboards.</p>	<p>All site-based teams are reviewing and using data to improve students, faculty, and staff engagement at each school site.</p>		

## INDICATORS AND MEASURES

Progress as measured by the GSNN GreenPrint Implementation Review, specifically related to outdoor learning and culture.

Site Based Dashboards  
 Relevant Program Data  
 Professional Learning Database  
 Shifts in Operational Policies and Budget Expenditures  
 GSNN/Johns Hopkins Sustainability Mindset data  
 Key External Partner Engagement: E Movement; Xcel Energy, GSNN