BUILDING FOR STUDENT SUCCESS

Guiding Green Building Principles

BVSD has a strong commitment to sustainability and goals which are supported by Board Policy and outlined in detail in the District's Sustainability Management System and Sustainable Energy Plan. This document provides an overview of relevant areas for the 2014 Bond and Construction but is not comprehensive. Therefore, please review the specific plans and the BVSD Technical Guide for Facility Design & Construction for more detail.

1. All new facilities will be designed to meet 2009 LEED for Schools New Construction and Major Retrofits GOLD standard; however, the District will not pursue certification. Additionally, new buildings will be designed as zero net energy-capable, targeting 25 kBTU/sf/year. Projects will be designed to maximize LEED points for Indoor Environmental Quality.
2. Schools identified for deep energy retrofits will reduce existing average kBTU/sf/year to the following levels, which represent an average reduction of approximately 50%:
   a. High Schools: 40
   b. Middle Schools: 35
   c. Elementary Schools: 35
3. All remaining projects will target a 20% reduction in energy use. Other upgrades intended to boost efficiency include installing LED lighting in some locations, particularly gyms; replacing old, inefficient boilers with efficient models, replacing windows and installing pipe insulation. BVSD will retain third-party energy consultants who shall commission new mechanical systems and retro-commission existing systems to ensure all are performing optimally. New roof structures will be designed to be solar ready. (Work with BVSD to properly uninstall and reinstall existing solar panels)
4. All projects will push water efficiency beyond code requirements and will target a 50% reduction in water (baseline 2008), with a balanced water management plan. New fields will use synthetic turf and projects should consider landscaping that requires minimal water to maintain.
5. The use of landscape plantings that require treatment with systemic pesticides, especially neonicotinoids, or have been pretreated with these pesticides is not allowed.
6. Where these alternatives exist, all projects should use materials that are durable, repairable, and reusable or recyclable; limit toxins and indoor air pollutants; are made with high post-consumer recycled content; and are resource and energy efficient in their manufacturing, use and disposal.
7. All projects will target a 75% diversion rate for construction waste. BVSD will provide contacts and priorities for waste reduction, collection and removal.
8. All projects will consider access to the site by all modes of transportation, with preference for sustainable modes of transportation including biking, walking, carpooling and busing. When redesigning existing sites, where reasonable, we will increase accessibility for sustainable modes of transportation including biking, walking, carpooling and busing. During any project, where reasonable, will add infrastructure to support electric vehicle charging and bicycling (e.g. bike racks).
9. Projects should support our educational mission by striving to incorporate teachable moments such as lessons about the construction work in the school and energy efficient or sustainable features; designing features that teach, such as a truth wall; and including student groups in the design and construction process.

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