



BRAILSFORD & DUNLAVEY

Facility Planners • Program Managers

Catalysts for Building Community



2010 NATIONAL CHARTER SCHOOLS CONFERENCE

A Strategic Approach to LEED® Certification

A Strategic Approach to LEED®

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- It is a school's responsibility, with advice from designers and builders, to choose a project's LEED strategy.
- This requires understanding how each credit impacts construction time, quality, capital costs, operating costs, and tax credits.

The objective is to find a balance of priorities and available resources to meet the overall project goals.

The LEED Certification System

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- Leadership in Energy and Environmental Design is a grading system that ranks a facility's level of environmental stewardship.
- The ultimate aim of LEED for Schools is to help educators create and maintain healthy learning environments.
- Schools provide unique opportunities to educate the next generation about the importance of living a healthy and sustainable lifestyle.



LEED Checklist Categories

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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sustainable Sites	24 Points
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Efficiency	11 Points
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Energy & Atmosphere	33 Points
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Materials & Resources	13 Points
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Indoor Environmental Quality	19 Points
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Innovation & Design Process	6 Points

Certified: 40-49 points, **Silver:** 50-59 points, **Gold:** 60-79 points, **Platinum:** 80-100 points

The Players Involved

OWNER



DESIGN TEAM



THE BUILDER



YOUR STAFF

Understanding Goal-Setting

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- There are many paths to achieving certification
- Architects, engineers, and builders can offer advice, analysis, and technical expertise

Ultimately, the Owner must dictate what combination of sustainable initiatives will achieve LEED certification without negatively impacting budget, schedule, or quality

SSc9 – Site Master Plan

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Achieve 4 of 7 SS credits, recalculate for Master Plan

- Excellent opportunity for schools that anticipate a need for future expansion
- Determining which 4 credits are best suited can be tricky, as showing compliance with some credits takes more time and energy than others
- Conversely, initially building out elements like storm water treatment systems to address all future needs can achieve long-term cost savings



MRc1.1 & MRc1.2 – Building Reuse

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Reuse 75%-95% of existing walls, floors, & roof

Reuse interior elements in at least 50% of building

- Recognize the trade-offs between building reuse, indoor air quality, and energy efficiency
- Restoration (especially historic) is often labor-intensive, which can impact both cost & schedule
- Preserving and protecting historic elements often requires high VOC finishes/adhesives, which could jeopardize indoor environmental quality

IDc3: The School as a Teaching Tool

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Design & commit to implementing a curriculum based on the building's green features (“The Living Lab”)

- The credits & strategies you ultimately decide to pursue will determine which green features are in your facility
- Some green features may be too abstract to convey experientially to younger students
- Implementing a green curriculum may impact staffing, operations, and the ability to fulfill existing curriculum requirements



Contact Us

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