

Site Plan of Campus



Narrative Summary

H. W. Harkness Elementary School was constructed in 1957. During the 1999 modernization, renovations and miscellaneous upgrades were made to improve accessibility, electrical service, and HVAC equipment.

The school functions well and has been well maintained. The originally constructed casework is worn out, non-accessible, and requires replacement. The student restrooms require further renovation and accessibility upgrades. The kitchen requires renovation to address accessibility and Health Department compliance issues. Site accessibility improvements are needed to meet current code requirements. The brick exteriors are in good condition, but the painted surfaces need to be re-painted.

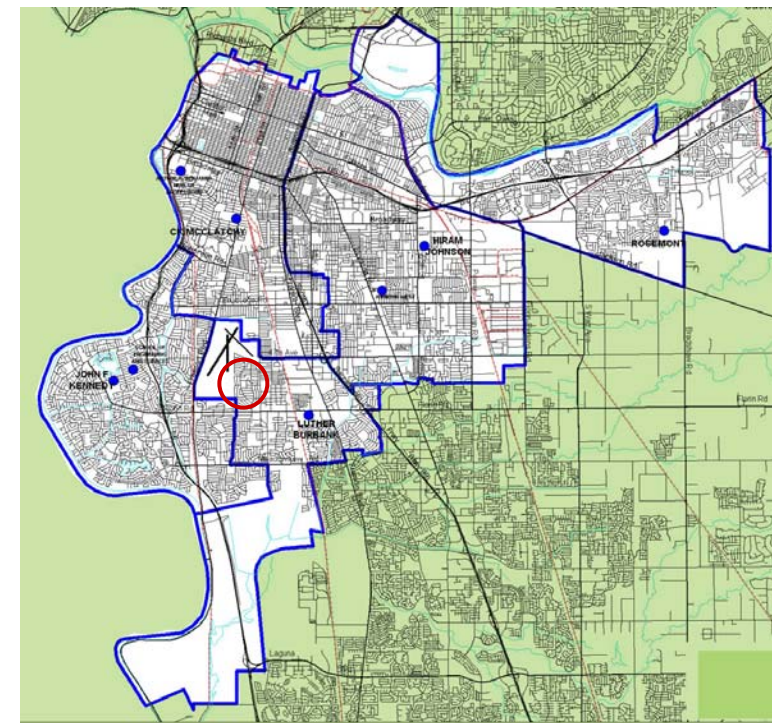
The visitor parking lot also serves as the bus and parent drop-off area, thus creating safety issues. Poor drainage and antiquated irrigation systems inhibit full use of the turf areas. Landscaping is limited to trees, turf, and paving.

Opportunities for improvement include: segregation of drop-off and parking areas, a shade / lunch shelter for outdoor assemblies and dining, and outdoor leaning areas. Landscaping improvements could enhance the school's "curb appeal" and reduce water consumption.

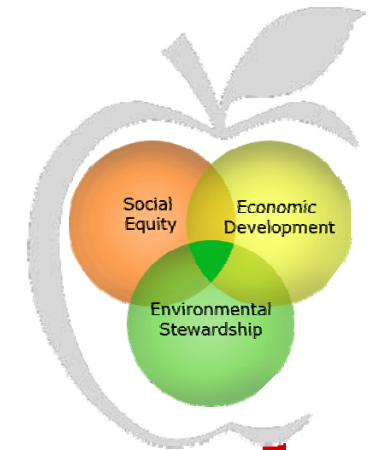
Improvements identified in the 2006 Master Plan Capital Improvements Summary have not been fully implemented and those needs still exist along with the items listed in this report.



Campus Entry



School Location Legend



'Student Centered Education'

School Mission Statement

Harkness is a place where students feel that school is safe and nurturing. Students learn standards-based concepts within a balanced and culturally responsive construct. Through Project Based Learning and Service Learning, students too are provided with a myriad of opportunities to relevantly apply their learning.


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 **Sustainable Sites School Entry/Drop Off**
Plant accent trees behind or next to marquee to provide some shade and visual interest to entry.




 **Sustainable Sites Outdoor Activity**
Field is very uneven and poorly drained. Turf is dry and bare in many areas.




 **Sustainable Sites Campus Core**
Turf between classrooms is patchy.




 **Gas Efficiency Exterior**
Gas piping is not anchored to roof.




 **Water Efficiency Interior**
Inefficient and non-compliant plumbing fixtures should be replaced.




 **Energy & Atmosphere**
13 year old units need to be replaced.



 **Materials & Resources Exterior**
Peeling trim paint throughout needs repair.



 **Materials & Resources Interior**
Old and non-compliant casework requires replacement..



 **Indoor Environmental Quality**
Antiquated clock and bell system need to be updated.

High Performance Transformation

Leadership, Education & Innovation

Encourage innovation in high performance school design creating safe, motivating and sustainable learning environments that reduce dependence on non-sustainable resources.

Sustainable Sites

Create safe, barrier free outdoor learning environments incorporating efficient and effective storm water management, landscaping, lighting and surfaces.

Water Efficiency

Improve the efficiency of fixtures, appliances and irrigation systems to reduce domestic water usage.

Energy & Atmosphere

Optimize energy efficiency and performance to minimize environmental impacts and reduce operating costs associated with fossil fuels.

Materials & Resources

Improve the learning environment and extend the life-cycle of facilities while encouraging the use of efficient sustainable materials and reducing waste.

Indoor Environmental Quality

Enhance air quality, thermal comfort, natural light, acoustic performance and physical environments while reducing pollutants. Provide a safe, healthy, functional environment to help motivate students and encourage attendance.

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'Student Centered Education'

The following is a site organizational concept of H.W. Harkness Elementary School to implement the *Strategic Plan 2010-2014: Putting Children First* and the Common Core Standards.

SAFE & WELCOMING SCHOOL

-  Dedicated Drop-Off
-  Visitor/Staff Parking
-  Garden/Quad/Outdoor Learning

CAREER & COLLEGE READY Core Academic Pathway Transformation

-  Kindergarten (K)
Elementary; Lower 1-3, Upper 4-6

Project Lab Transformation (2,508 sf)

-  Project Labs (PL)
Art/Science


SUPPORT Support Spaces – distributed

FAMILY & COMMUNITY ENGAGEMENT

Technology Center (TC) Transformation (5,028 sf)


-  Media Center & Computer Lab
Parent Center & Conference Room
Teacher Planning Center
Note: Transformation of (E) MP

Multi-Purpose (MP) Expansion (7,536 sf)

-  Dining / Gym / Assembly / Stage
Restrooms / Kitchen / Storage

ORGANIZATIONAL TRANSFORMATION

Classroom Conversion / Expansion (11,988 sf)

-  Portable to Permanent and CR
Expansion to meet optimized
Campus Capacity Goals of 552 – 672
students. *10 Classrooms & Support
Space*

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Site Plan- Concept Study



School Site Facility(s) Needs

The following list was provided by the school's principal which was generated from school site council and community meetings:

- Paint throughout
- Computer/Science lab
- Materials lab/Staff Room
- Increased electrical outlets throughout buildings
- Rain gutters
- Staff restroom for the back of the school
- Redesign the traffic flow at the front of the school
- Digital marquee
- Upgrade cafeteria
- Upgrade office and restrooms
- Update interior lights
- Update HVAC
- Safety rail needed in back wing
- More security cameras
- Gym/sports complex
- Wireless capability
- Shelter for outdoor events

Project Cost Summary Matrix

Schools as Teaching Tools

	Code, Life Safety & Access	Maintenance & Operations	High Performance Transformation	Sustainable Category Total
Sustainable Sites	\$412,100	\$ 440,180	\$ 1,607,710	\$2,459,990
Water Efficiency	\$53,040	\$144,560	\$260,390	\$457,990
Energy & Atmosphere	\$ 0	\$ 69,290	\$ 8,840	\$78,130
Materials & Resources	\$ 306,540	\$ 365,690	\$ 1,294,970	\$2,267,200
Indoor Environmental Quality	\$ 186,810	\$ 339,950	\$ 272,350	\$799,110
Leadership, Education & Innovation	\$ 0	\$ 0	\$11,689,340	\$11,689,340

Assessment Total \$958,490 \$1,359,670 \$15,433,600 \$17,751,760

Cost Summary reflects Total Project Cost Estimate, inclusive of Construction Cost and Soft Cost

CHPS Summary

Collaborative for High Performance Schools

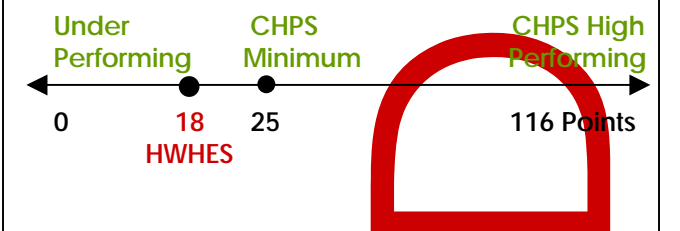
Supports the idea that "a well-designed facility can truly enhance performance and make education more enjoyable and rewarding...and a productive learning experience."

In accordance with the Green and Grid Neutral Model Schools Policy Initiative-BP 3511 and Resolution No. 2583; Adopting the Collaborative for High Performing Schools (CHPS) Criteria, the following summary characterizes how the Schools align with the Best Practices Criteria.



SUMMARY by CHPS Categories

	Eligible Points	Actual Points
Leadership, Education & Innovation	13	1
Sustainable Sites	14	4
Water Efficiency	9	0
Energy & Atmosphere	29	2
Climate	10	1
Materials & Resources	18	2
Indoor Environmental Quality	23/25	8
TOTAL	116	18



Campus Assessment Summary

Sustainable Sites

- School Entry & Drop-off
- Parking & Drives
- Service Access
- Outdoor Activity
- Campus Core
- Utilities & Infrastructure

Water Efficiency

- Site Utilities & Infrastructure
- Plumbing Systems
- Specialty Systems
- Fire Protection Systems

Energy & Atmosphere

- Central Plant
- HVAC Systems
- Specialty Systems
- Alternative Energy Systems

Materials & Resources

- Signage
- Door Hardware
- Interior Space
- Exterior Finish

Indoor Environmental Quality

- Electrical Systems
- Lighting Systems
- Technology Systems
- Low Voltage Systems

Leadership, Education & Innovation

- Career & College Ready
- Family & Community Engagement
- Organizational Transformation

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