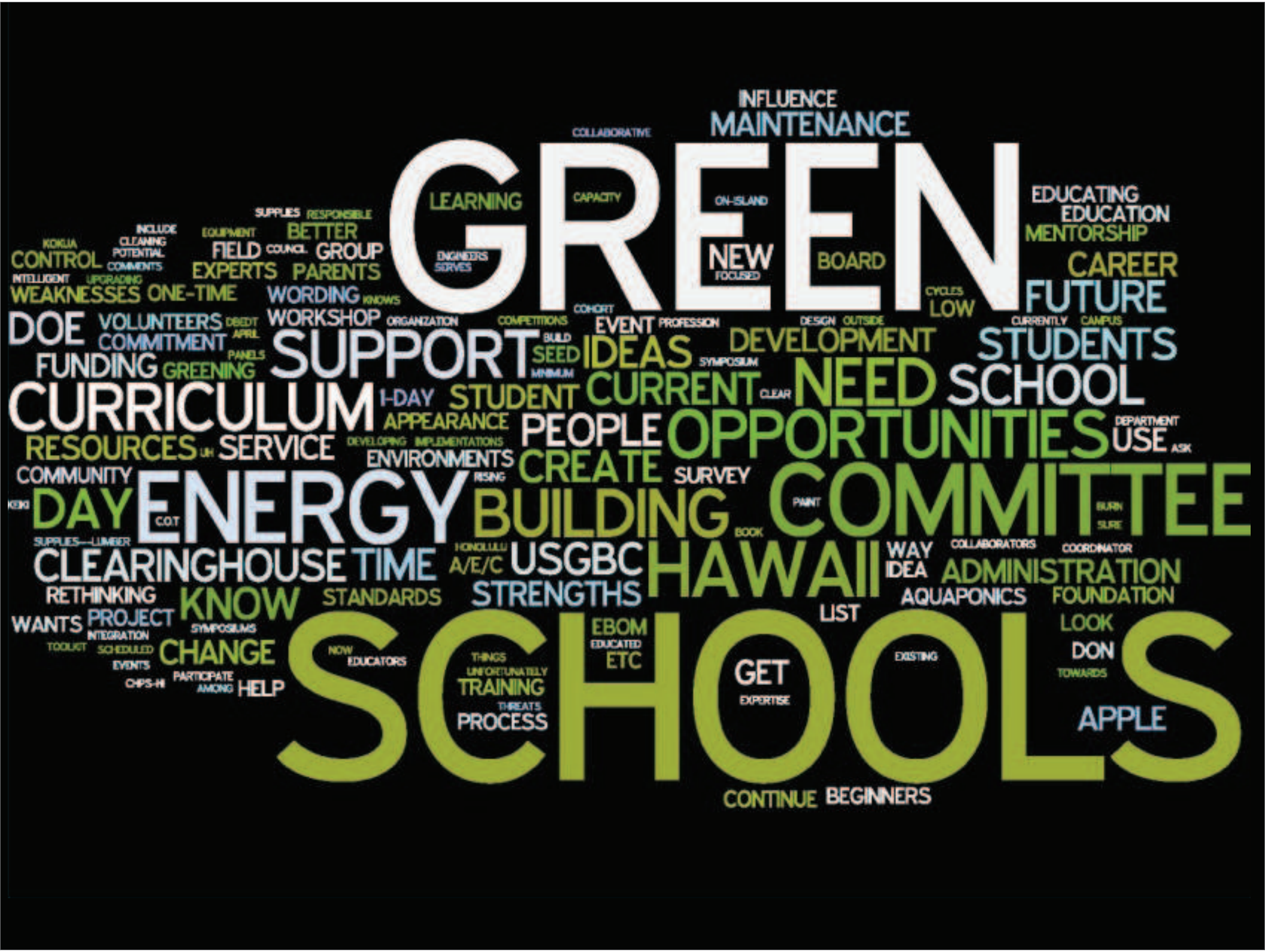
GREEN SCHOOLS


INFLUENCE
MAINTENANCE
COLLABORATIVE
GREEN
LEARNING
CAPACITY
ON-ISLAND
EDUCATING
EDUCATION
MENTORSHIP
SUPPLIES
RESPONSIBLE
INCLUDE
CLEANING
POTENTIAL
EQUIPMENT
BETTER
KOKUA
CONTROL
COMMENTS
FIELD
COUNCIL
GROUP
ENGINEERS
SERVES
NEW
FOCUSED
BOARD
CAREER
INTELLIGENT
UPGRADING
EXPERTS
PARENTS
WEAKNESSES
ONE-TIME
WORDING
KNOWS
CYCLES
LOW
FUTURE
COHORT
DOE
VOLUNTEERS
DBEDT
APRIL
WORKSHOP
ORGANIZATION
COMPETITIONS
EVENT
PROFESSION
DESIGN
OUTSIDE
CURRENTLY
CAMPUS
COMMITMENT
BUILD
SEED
IDEAS
DEVELOPMENT
STUDENTS
PANELS
FUNDING
GREENING
SUPPORT
MINIMUM
SYMPOSIUM
CURRICULUM
I-DAY
STUDENT
CURRENT
CLEAR
NEED
SCHOOL
APPEARANCE
PEOPLE
OPPORTUNITIES
DEPARTMENT
USE
ASK
RESOURCES
UH
SERVICE
DEVELOPING
IMPLEMENTATIONS
ENVIRONMENTS
CREATE
SURVEY
COMMUNITY
RISING
KEIKI
DAY
C.O.T
ENERGY
BUILDING
COMMITTEE
PAINT
BURN
SURE
BOOK
SUPPLIES—LUMBER
CLEARINGHOUSE
TIME
HONOLULU
A/E/C
USGBC
HAWAII
WAY
IDEA
COLLABORATORS
COORDINATOR
ADMINISTRATION
RETHINKING
KNOW
STANDARDS
STRENGTHS
AQUAPONICS
FOUNDATION
WANTS
PROJECT
INTEGRATION
SYMPOSIUMS
LIST
EBOM
EDUCATED
LOOK
TOOLKIT
SCHEDULED
CHANGE
NOW
EDUCATORS
ETC
DON
EVENTS
THINGS
UNFORTUNATELY
GET
EXISTING
TOWARDS
CHPS-HI
PARTICIPATE
AMONG
HELP
TRAINING
THREATS
EXPERTISE
SCHOOLS
PROCESS
APPLE
CONTINUE
BEGINNERS

OUR MISSION: GREEN SCHOOLS WITHIN THIS GENERATION

become a
resource to
transform
schools

WHY SCHOOLS

25% of the population goes to school every day

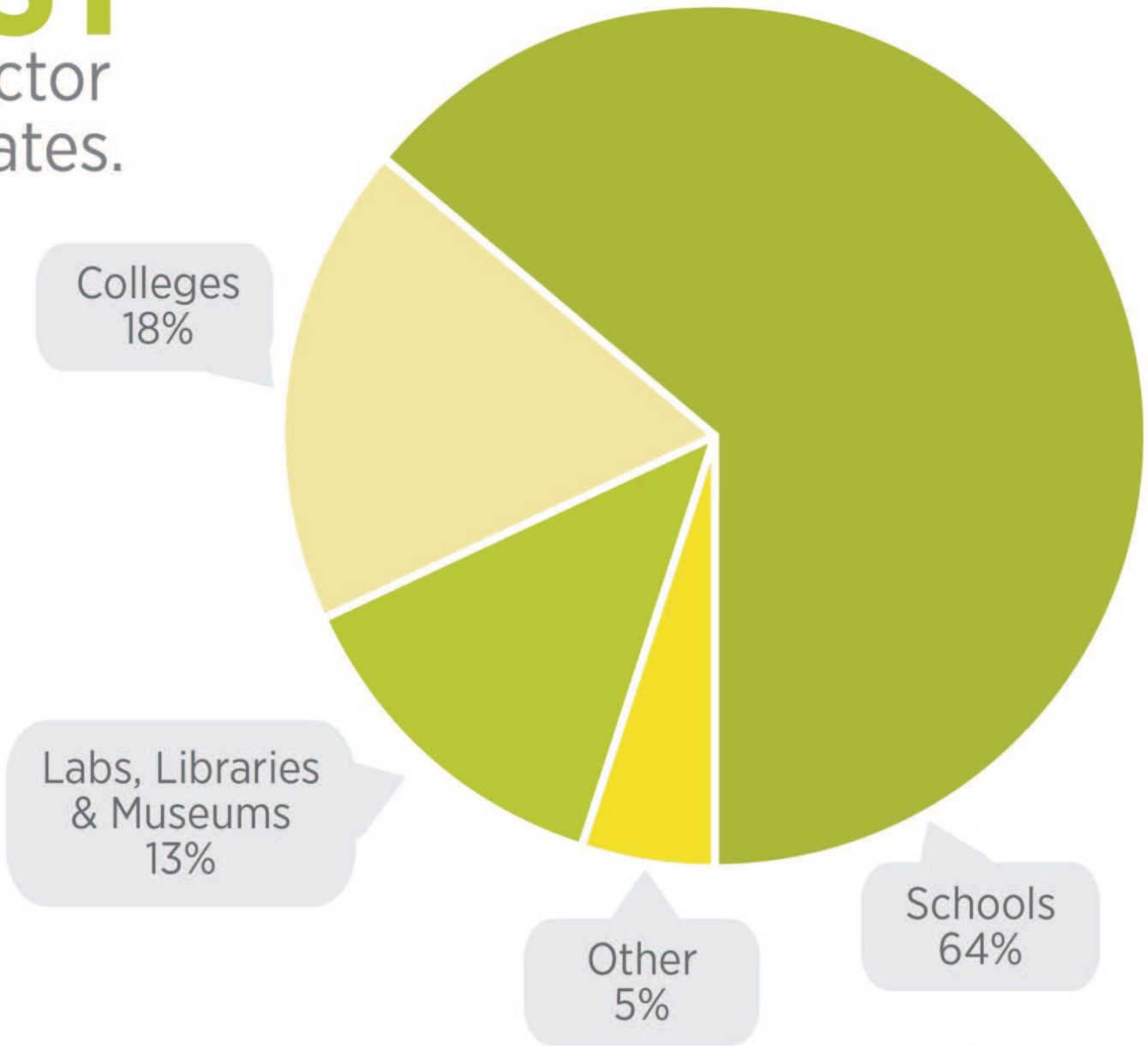
There are **133,000** K-12 schools and

4,300 colleges and universities

Educational facilities represent the **LARGEST** construction sector in the United States.

TYPES OF EDUCATIONAL FACILITIES CONSTRUCTED

*by dollar value 2000-09**



*McGraw-Hill Construction, 2010

ON AVERAGE, GREEN SCHOOLS

SAVE $100,000 PER YEAR

ON OPERATING EXPENSES

AIR QUALITY

ACOUSTICS

LEVELS OF

THERMAL COMFORT

+

DAYLIGHT

AFFECT THE STRESS LEVELS, HEALTH AND WELL-BEING OF OCCUPANTS

IN SCHOOLS

INCREASED INDOOR AIR QUALITY

\+ BETTER ACOUSTICS

\+ THERMAL CONTROL

= INCREASED TEACHER RETENTION

POTENTIAL BENEFACTORS
OF GREEN SCHOOLS

STUDENTS

FACULTY

TAXPAYERS

OUTREACH
COMMUNITY
EDUCATION

BACK TO
GREEN SCHOOLS
Green Classroom Professional
Certificate+Toolkit+Workshop

Educational Partners

DBEDT
STATE OF HAWAII • DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

Hawaii Energy

THE CENTER FOR GREEN SCHOOLS

kōkua hawai'i foundation

RPN
Responsible Purchasing Network

SEAD
STUDENT ENERGY AMBASSADOR DEVELOPMENT

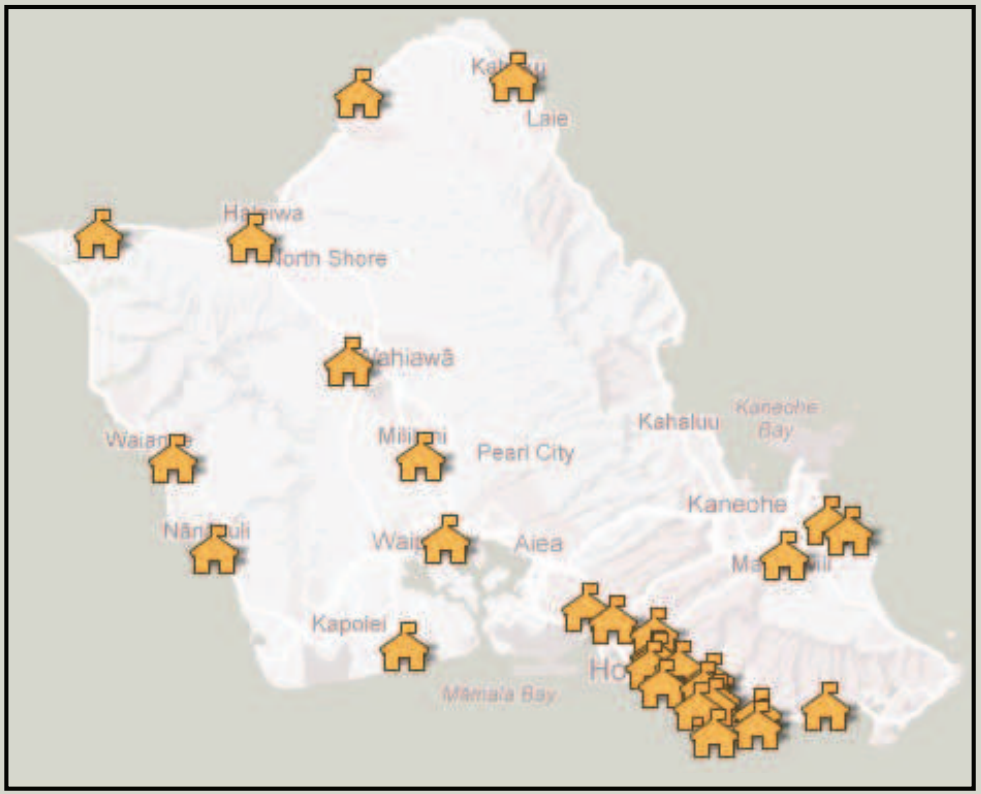
opala.org
DON'T DUMP ON HAWAII. SORT IT OUT
City Department of Environmental Services

DEPARTMENT OF EDUCATION
STATE OF HAWAII

HONOLULU BOARD OF WATER SUPPLY

PHOTO BY KOKUA HAWAII FOUNDATION

34 SCHOOLS!



- Academy of the Pacific
- Alvah A Scott Elementary
- Central Middle
- Fern Elementary
- Hale Kula Elementary
- Hanalani Schools
- Hokulani Elementary
- Kealakehe Elementary
- Keone'ula Elementary
- Lanikai Public Charter
- Le Jardin Academy
- McKinley High School
- Mid-Pacific Institute
- Moanalua High
- Niu Valley Midle
- Soto Academy
- St. Anthony Kailua
- Sunset Beach Elementary
- Lanai High and Elementary
- Hongwanji Mission School
- Iolani School
- Kahala Elementary
- Kahuku High School
- Kaimuki High School
- Nanaikapono Elementary
- University of Hawaii Lab
- Voyaging Foods
- Waiakea High
- Waialua Elementary
- Waikiki School
- Waipahu High
- Wilson Elementary
- YMCA Camp Erdman
- Leihoku Elementary
- Roosevelt High

Kill A Watt
Electricity Usage Monitor
KILL A WATT™
STOPWATCH
KOMELON
Gripper™
CITY MILL
TOOLKIT GUIDE
BACK TO
GREEN SCHOOLS
Green Classroom Professional
Certificate+Toolkit+Workshop
This guide will assist you in how to use the tools as well as methods for benchmarking and organizing your data. We encourage you to follow our guide or develop your own lesson plan using the tools pertinent to the grade level or school focus or goals.
For additional resources or a copy of these cards, visit
www.usgbchawaii.org/gcpctools
Educational Partners
opala.org
Hawaii Energy

THE CENTER FOR GREEN SCHOOLS

THIS CERTIFICATE HEREBY CERTIFIES THAT

Teacher Educator

HAS ATTAINED THE DESIGNATION OF

GREEN CLASSROOM PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE AND UNDERSTANDING OF GREEN CLASSROOM PRACTICES AND PRINCIPLES NEEDED TO ADVOCATE FOR HEALTHIER, MORE ENVIRONMENTALLY RESPONSIBLE PLACES TO WORK AND TEACH.

April 9, 2012

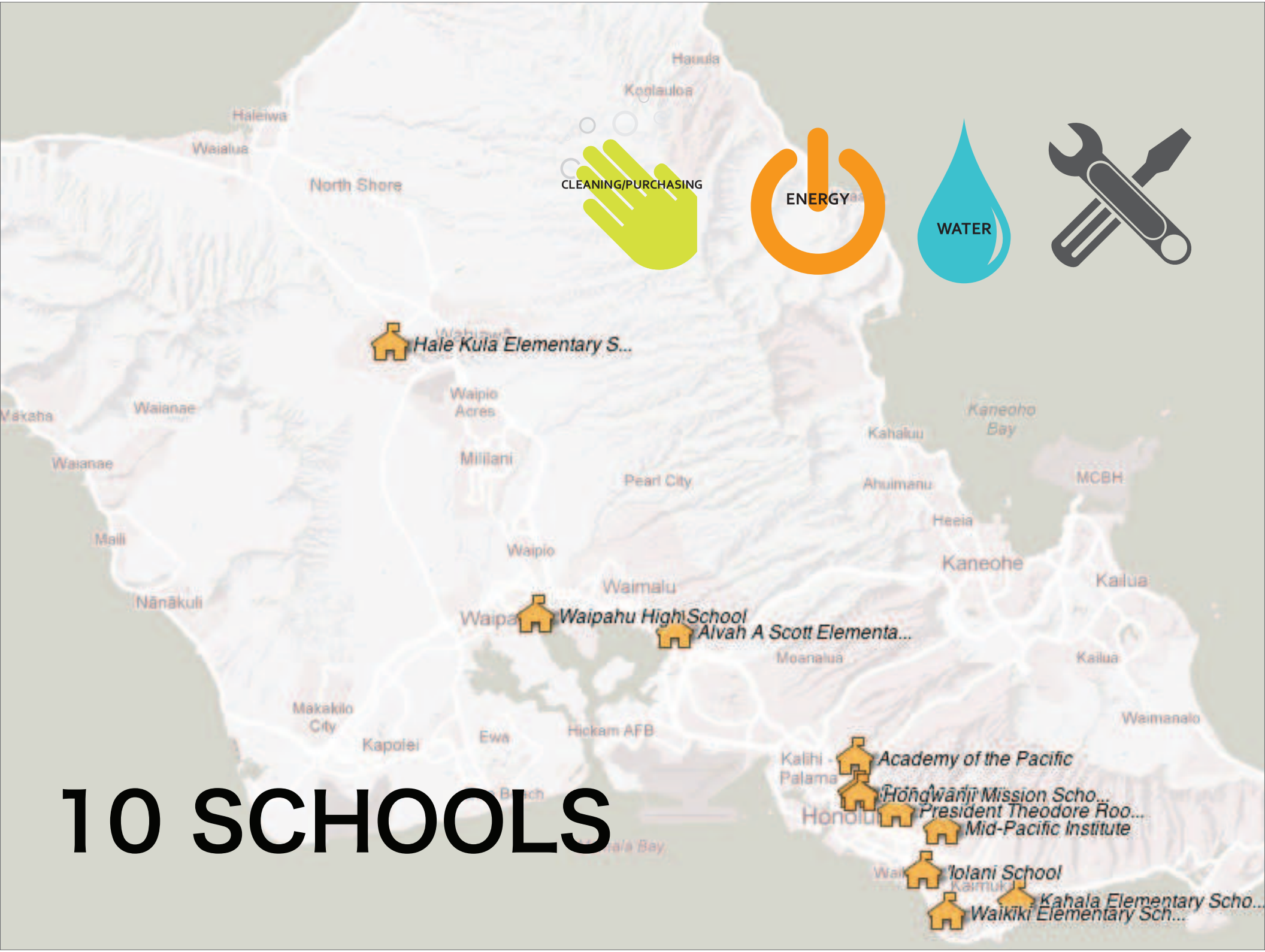
Date Issued

S. RICHARD FEDRIZZI, PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL

RACHEL GUTTER, DIRECTOR
CENTER FOR GREEN SCHOOLS AT
U.S. GREEN BUILDING COUNCIL

PHOTO BY KOKUA HAWAII FOUNDATION

Queens
King


CLEANING/PURCHASING
ENERGY
WATER
Hauula
Koolauloa
Haleiwa
Waialua
North Shore
Hale Kula Elementary S...
Waipio Acres
Waianae
Makaha
Waianae
Mililani
Pearl City
Kaneohe Bay
Kahaluu
Ahuimanu
MCBH
Heeia
Maili
Waipio
Kaneohe
Kailua
Waimalu
Nānākuli
Waipahu High School
Alvah A Scott Elementa...
Moanalua
Kailua
Makakilo City
Kapolei
Ewa
Hickam AFB
Waimanalo
Kalihi - Palama
Academy of the Pacific
Hongwanji Mission Scho...
President Theodore Roo...
Mid-Pacific Institute
Iolani School
Kahala Elementary Scho...
Waikiki Elementary Sch...
10 SCHOOLS

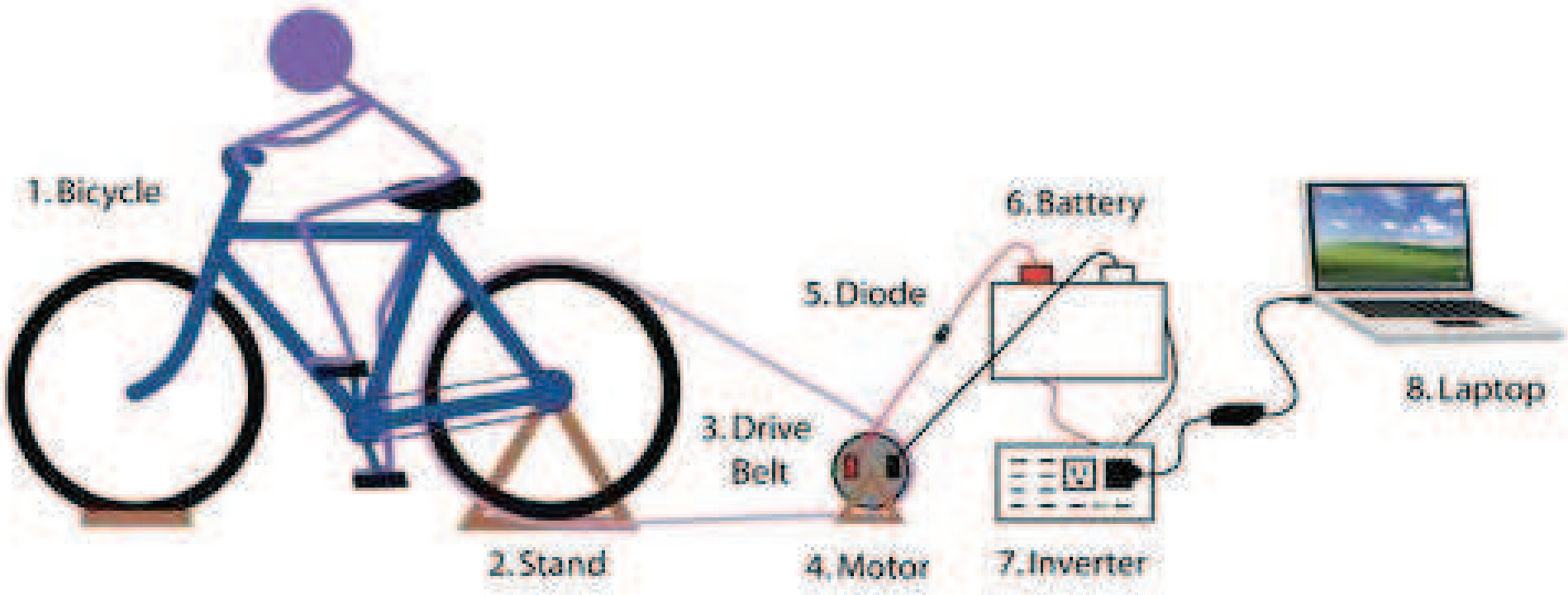
- Hongwanji Mission School
- Iolani School ENERGY
- Waikiki School
- Waipahu High ENERGY
- Roosevelt High ENERGY WATER CLEANING/PURCHASING
- Mid-Pacific Institute ENERGY
- Academy of the Pacific ENERGY
- Alvah A Scott Elementary
- Kahala Elementary WATER
- Hale Kula Elementary
- Soto Academy

KAHALA
ELEMENTARY SCHOOL

DISCOVERIES & LESSONS LEARNED

BEAR

A classroom bicycle generator costs $1,000



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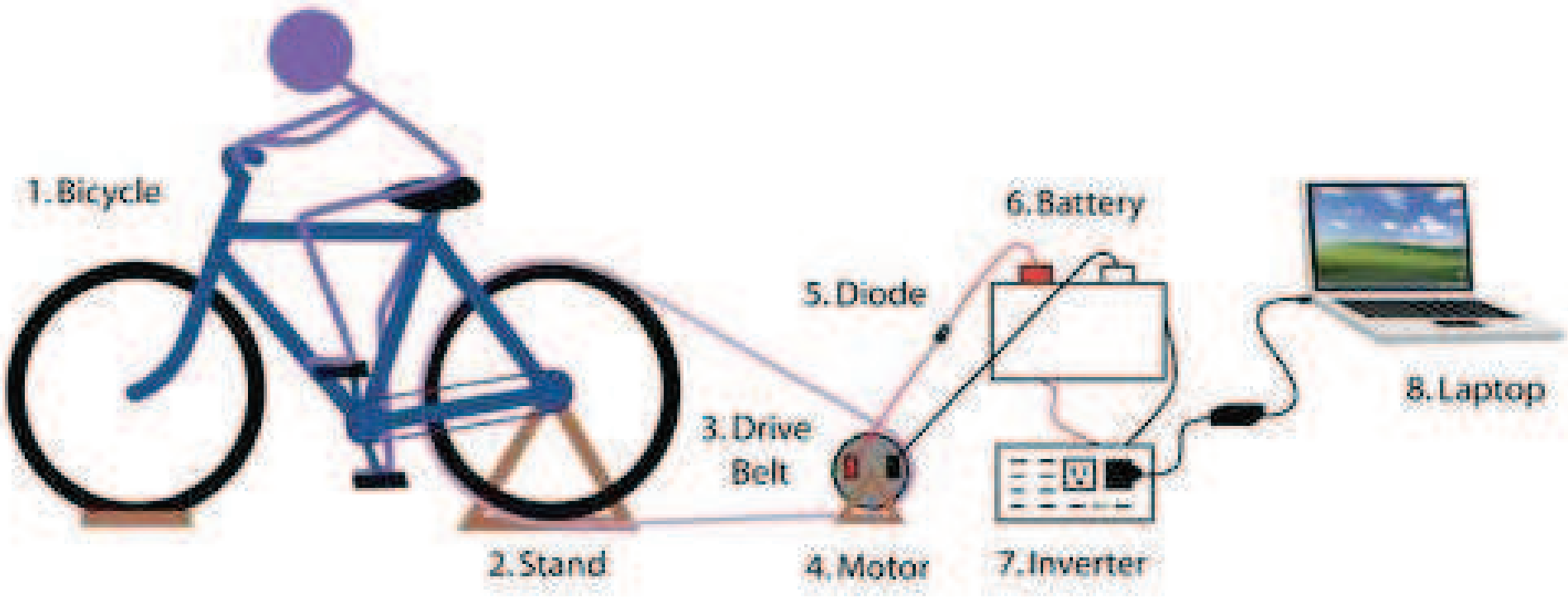
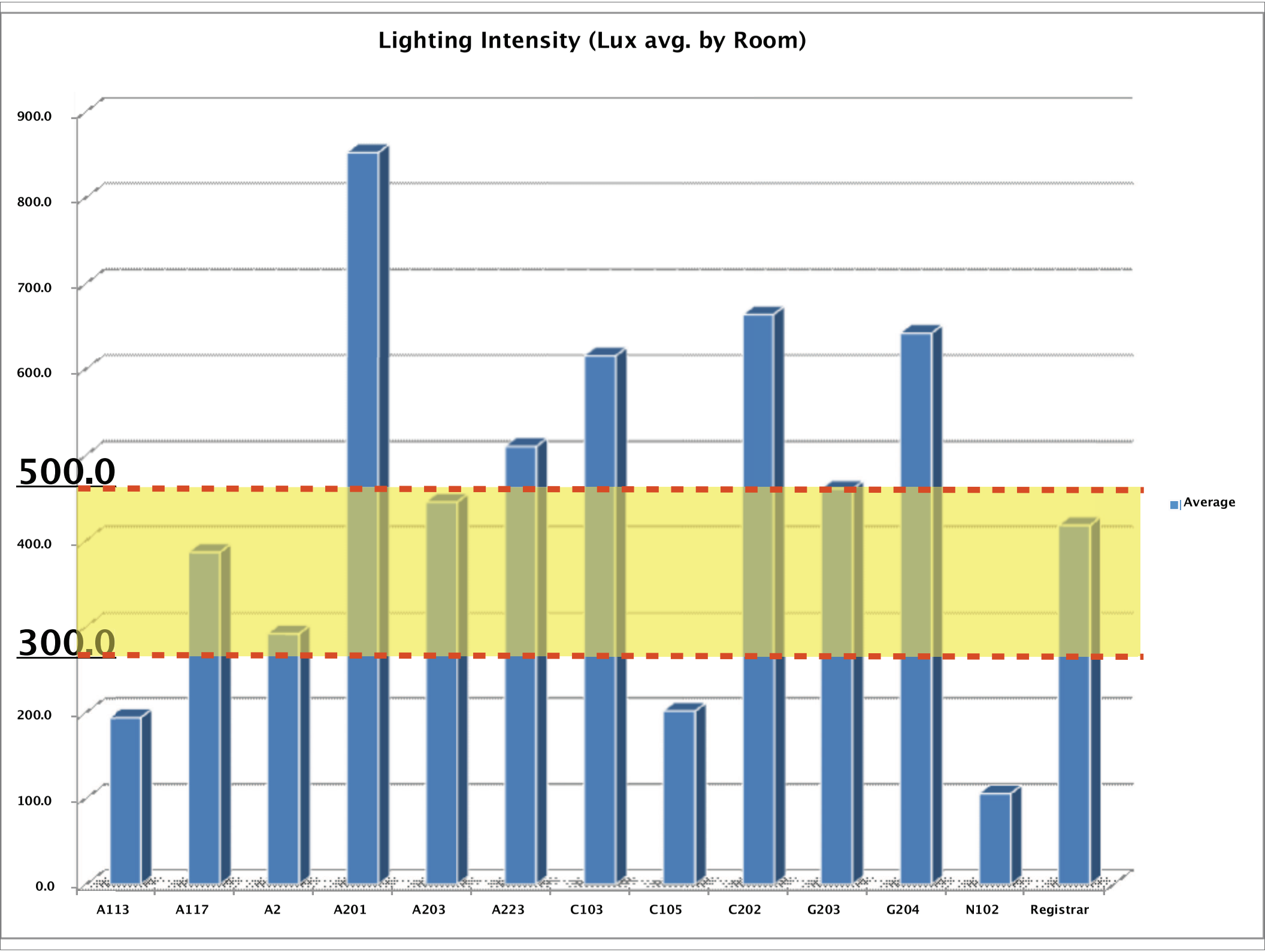
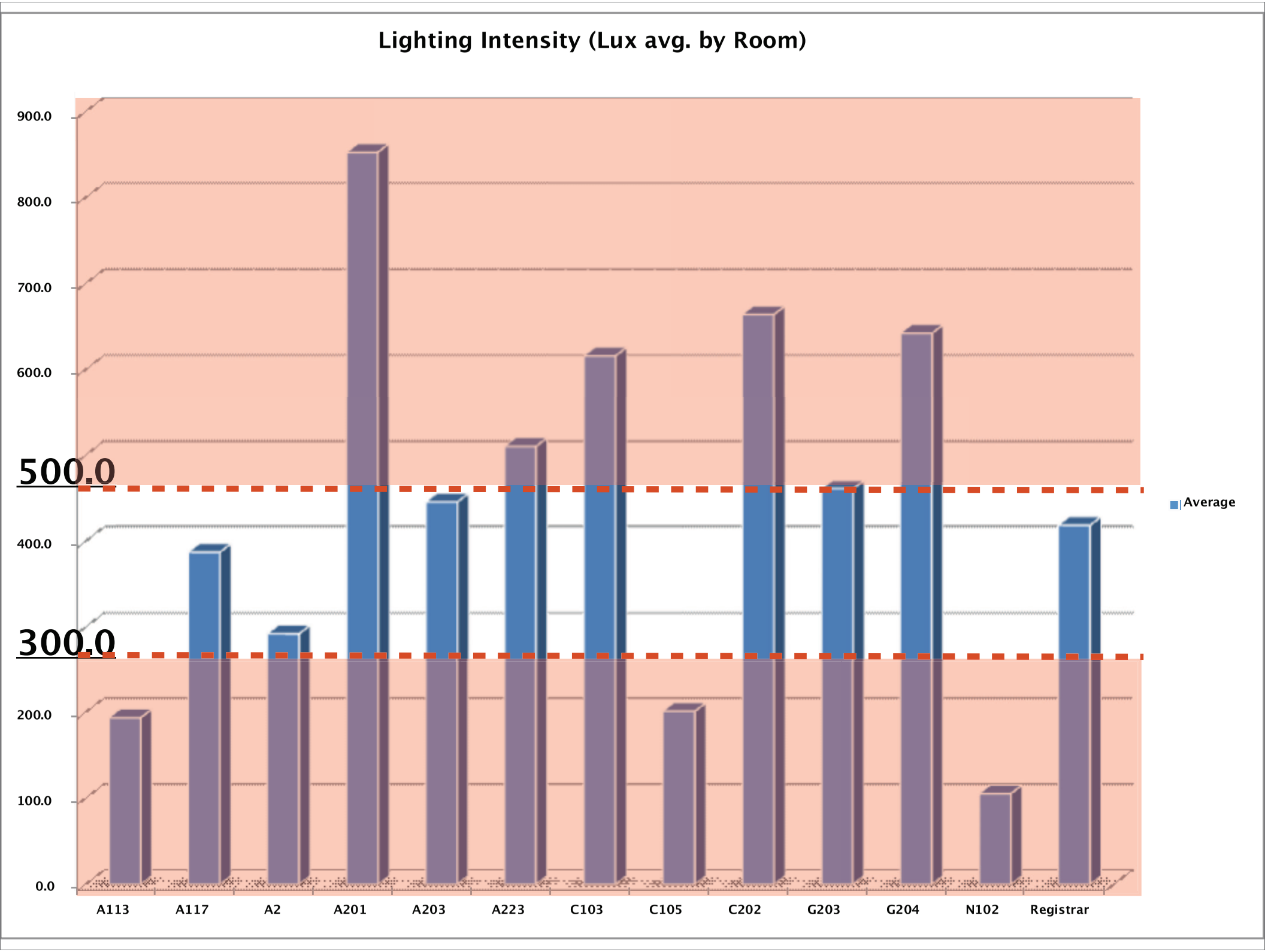


Action: May 18th- smoothies demo

JENELLE
CHRIS
ROOSEVELT HIGH SCHOOL
THE CENTER
OBEDT
RFN


Lighting Intensity (Lux avg. by Room)
900.0
800.0
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
A113
A117
A2
A201
A203
A223
C103
C105
C202
G203
G204
N102
Registrar
Average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0.0
A113
A117
A2
A201
A203
A223
C103
C105
C202
G203
G204
N102
Registrar
Average

NO TRESPASSING
NO ANIMALS ALLOWED
NO SKATEBOARDING
NO ROLLERBLADING
NO BICYCLING
A
ROOM A-1 TO A-6
Kahala

KAHALA ELEMENTARY

	Water Sense	UPC & IPC Standard	Measured Avg	
Urinal	0.5	1.00	**5.57**	gpf
Toilet	1.28	1.6	**4.48**	gpf
Sink	1.5	2.2	**2.67**	gpm

Lighting

- Lighting is generally overlit. One room was at 140 foot candles!
- If delamping was utilized in the rooms audited, potential savings is over **$990** per year!
- If the rest of the school is lighted in the same fashion, estimated total potential savings is **$5600!**

HONGWANJI MISSION SCHOOL

Chris Parker **schools@usgbchawaii.org**

U.S. DEPARTMENT OF EDUCATION

GreenRibbonSchools

2014 Application Period Starts September!

BACK TO GREEN SCHOOLS

Green Classroom Professional

Certificate+Toolkit+Workshop

Seeking Mentors and Schools for Fall

GREEN APPLE™ DAY OF SERVICE

September 28, 2013

Get involved with your local school and plan an event!

Tree designed by Hernan D. Schlosman from The Noun Project

Graduate Cap designed by Catherine Please from The Noun Project

Pie Chart designed by P.J. Onori from The Noun Project