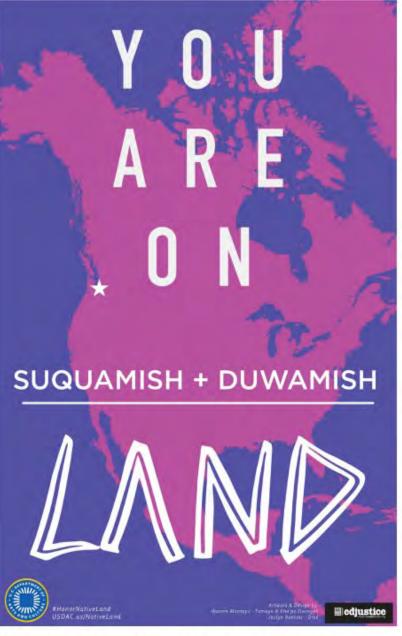


DRAFT Sustainability Vision, Goals and Strategy

For Seattle Public Schools November 13, 2020





We respectfully acknowledges the Suquamish and Duwamish peoples, who, throughout the generations, stewarded and thrived on the land where we live and work.





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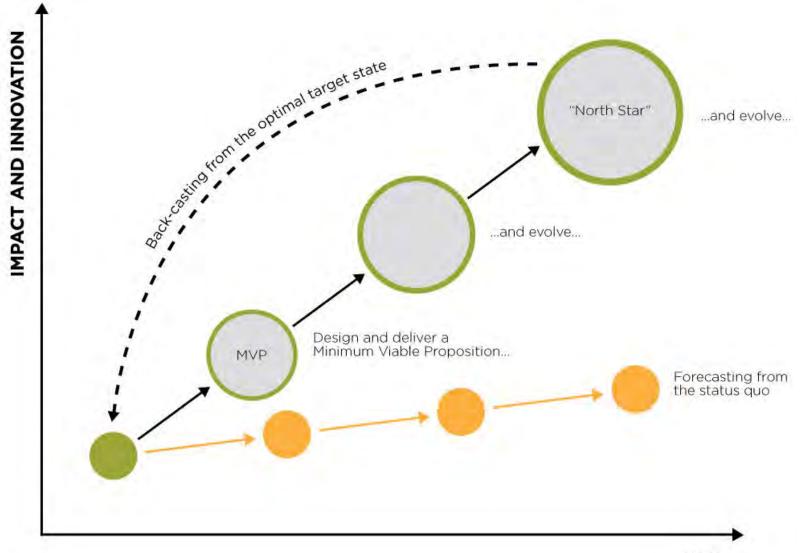
Vision

Use today's financial and human resources to provide environmental justice and health benefits equitably across our community by empowering our staff to accomplish the following:

Recommendations

- Be a Carbon Positive District by 2040
- Be a Zero-Waste District by 2030
- Be a Responsible Water (LBC Core) District by 2040
- Complete benchmarking & planning
- Update existing policies, procedures and standards with new targets and best practices
- Continue to measure & liberate the data
- Retrofit & upgrade existing buildings on a schedule

Back-casting vs Forecasting



RECOMMENDATIONS



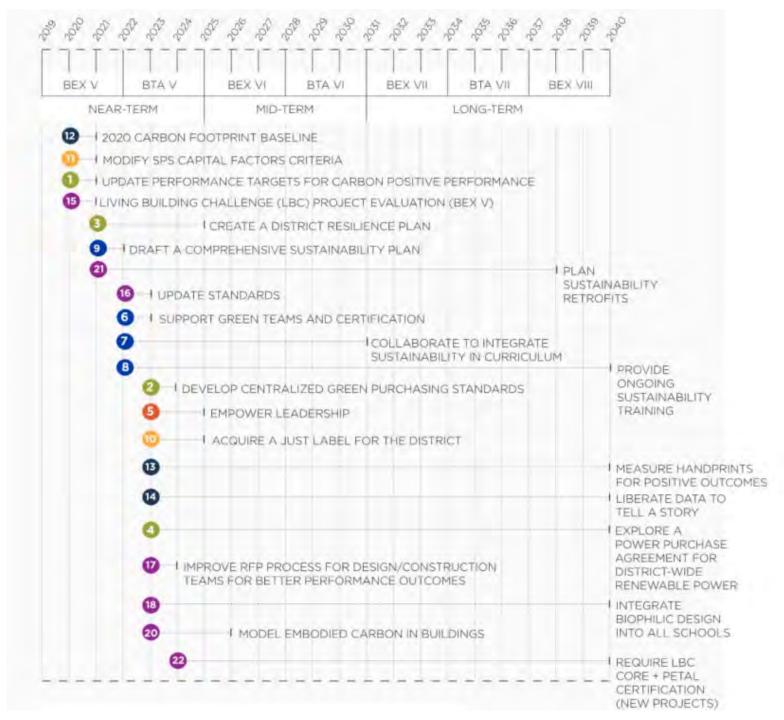


















The Path to Net Positive

Reduce your Footprint

WATER CONSERVATION & RAINWATER COLLECTION
ON-SITE EFFICIENCY MEASURES
ON-SITE RENEWABLE ENERGY PRODUCTION

Grow your Handprint

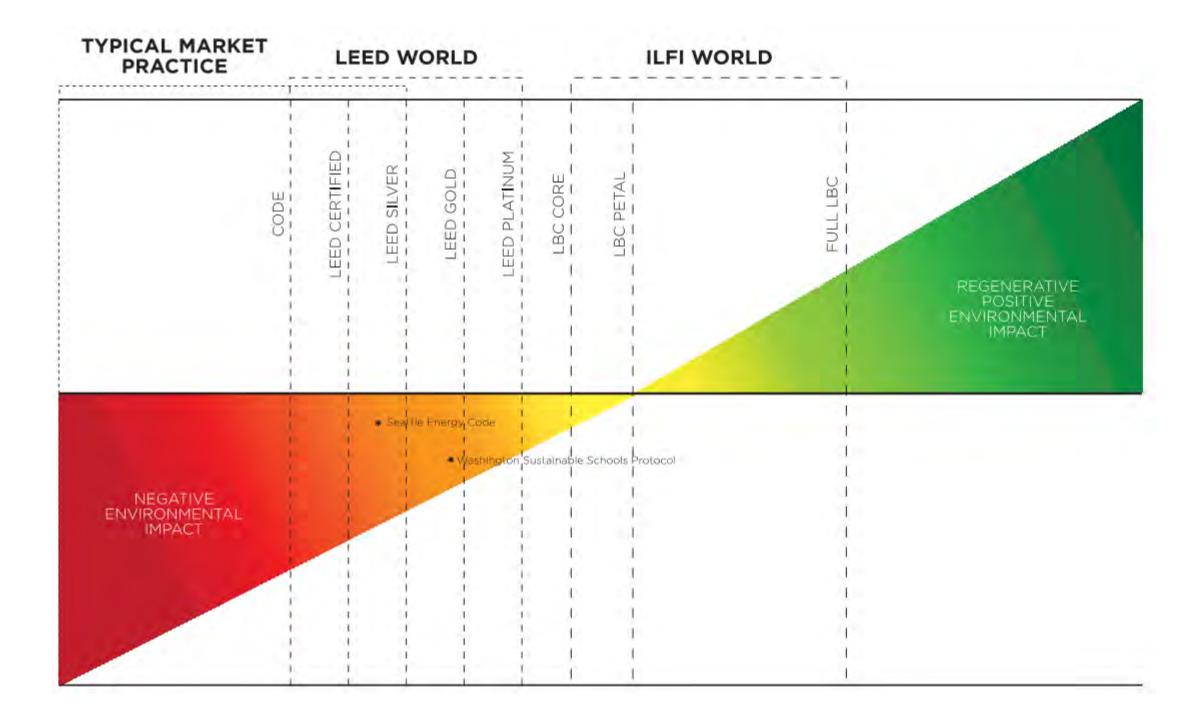
PROCESS MORE THAN YOUR STORMWATER
PRODUCE MORE ENERGY THAN YOU NEED
IMPROVING YOUR SUPPLY CHAIN
PLANT TREES & PERMACULTURE
RESTORE HABITAT
PROVIDE NEIGHBORHOOD RESILIENCE

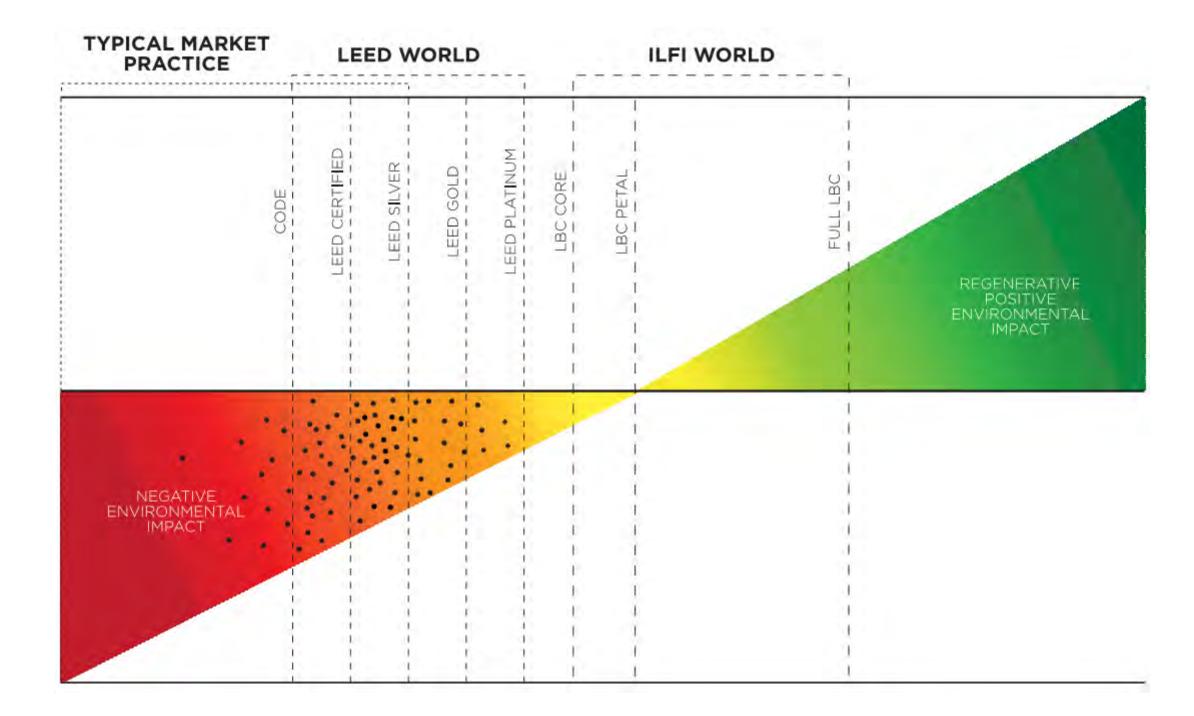


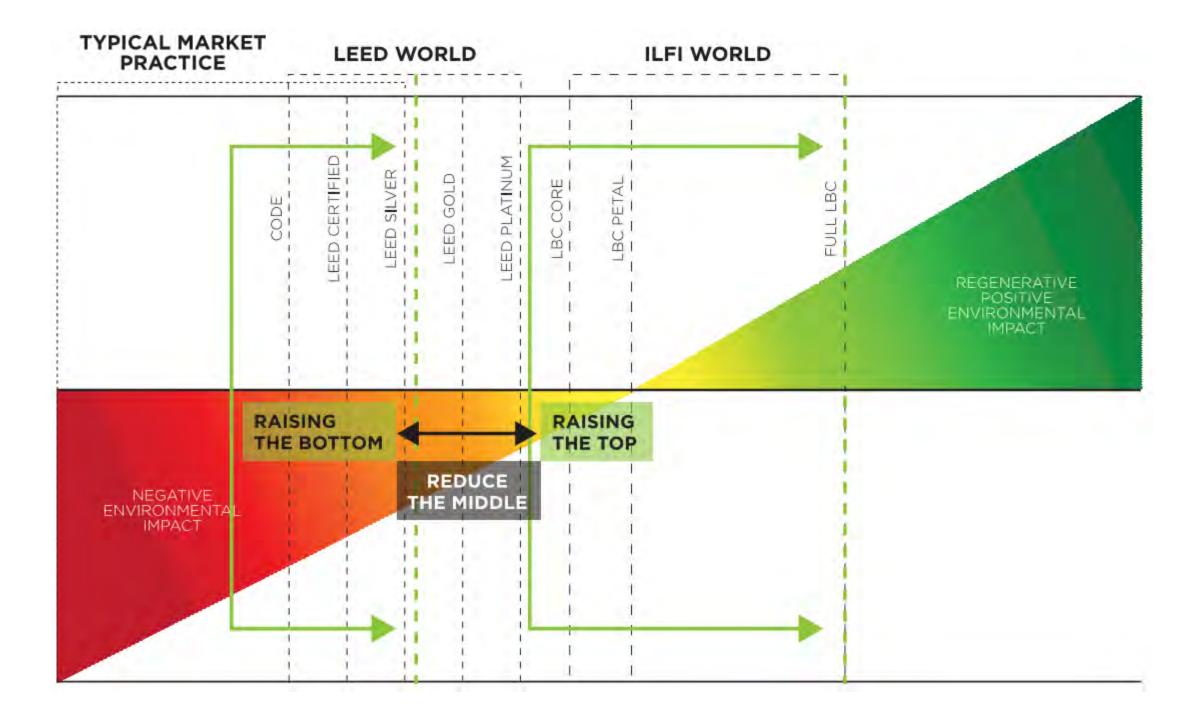
Why Regeneration?

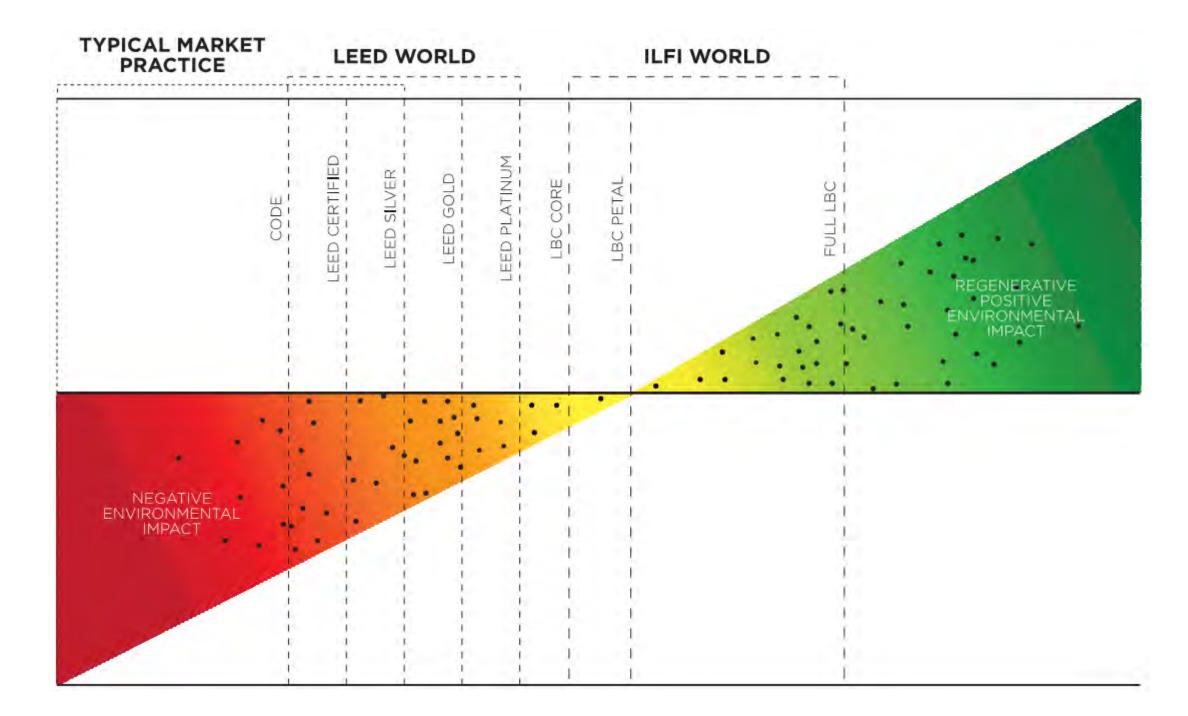
- Repair damage and make things better
- Focus on community thriving
- More interesting and educational
- Mitigation is not enough!
- Students insist!









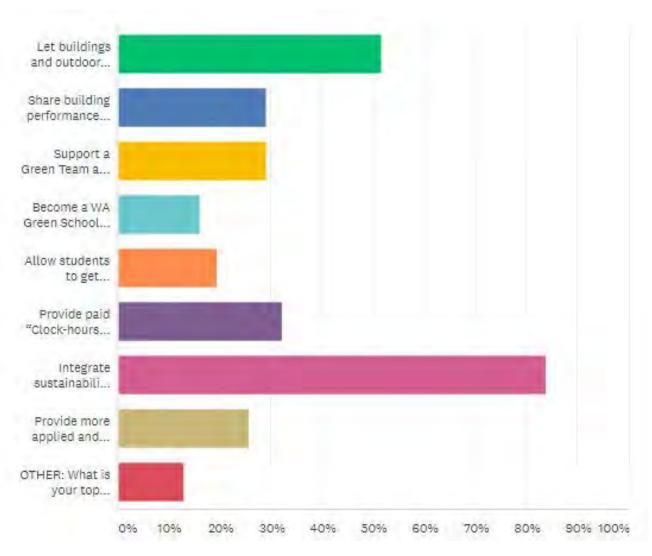


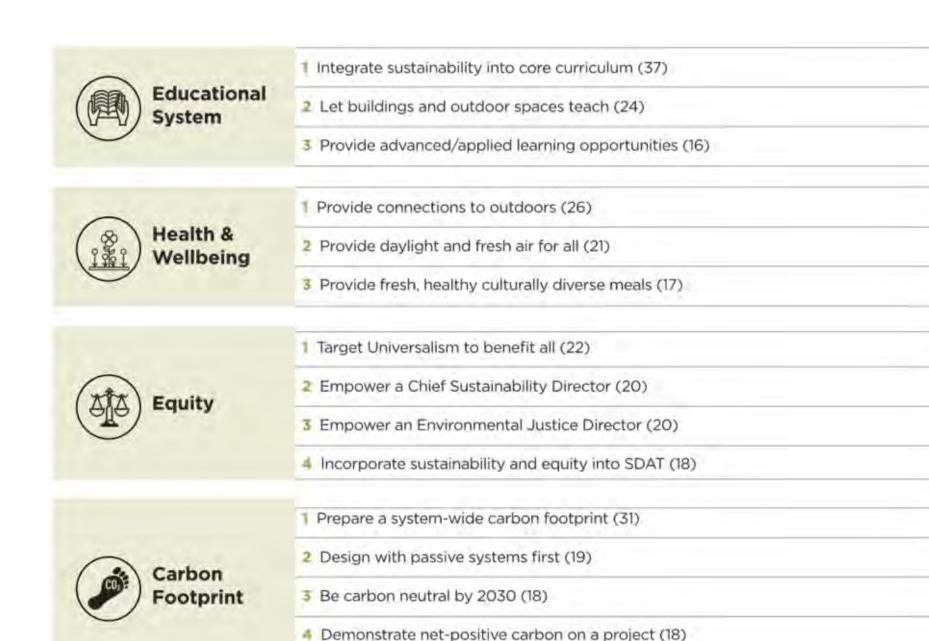


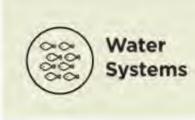


Survey Results

- Integrate sustainability into the curriculum (multi-culturally)
- 2. Let buildings and outdoor spaces educate about sustainability
- 3. Provide stipends/ "Clock Hours" for teachers to lead







- 1 Reduce water consumptions across the district (22)
- 2 Achieve net-positive water for new construction (22)
- 3 Demonstrate rainwater capture at each school (18)



- 1 Eliminate fossil fuels and petrochemicals from maintenance (26)
- 2 Develop regenerative site practices (24)
- 3 Provide natural areas at all schools (22)

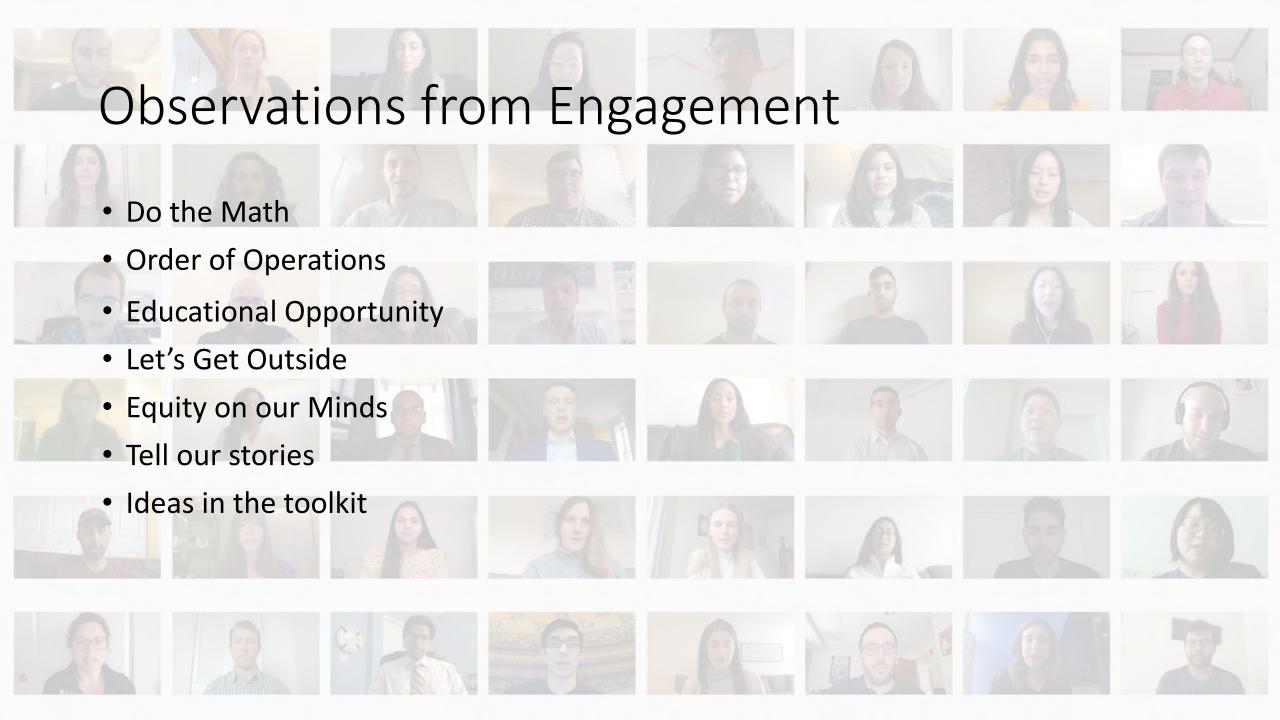


- 1 Become a zero-waste district by 2030 (32)
- 2 Eliminate single-use plastics (31)
- 3 Require centralized green purchasing (22)



- 1 Invest in preventative maintenance (37)
- 2 Include human health and carbon in financial decisions (25)
- 3 Invest capital funds in future operational savings and life-cycle cost benefits (22)



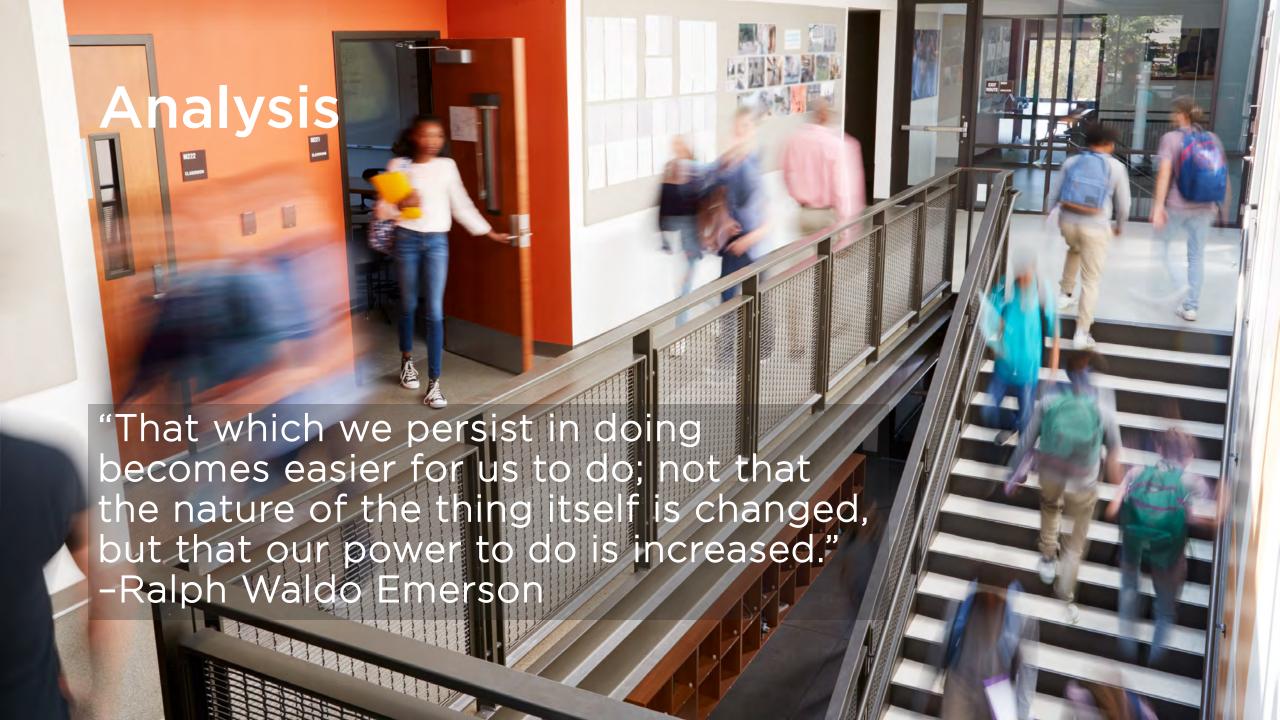




Document Review

- Resolutions and policies
- Case studies
- Sample RFQ's
- Washington Sustainable Schools Protocol 2018
- Standards
- Available performance data
- Green Ribbon Award





Leadership - You Have It!

Leadership

- Top Down
- Bottom Up &
- Middle Out

Vision in Three Words:

- Innovation is Key
- Sustainability isn't optional
- These People Care
- Share the Stories
- Passion for Change

"When we can find each other, we are great collaborators"

"I've only been here a year, but everyone that I run into seems to be really committed to their work."

"We have a lot of really smart and talented people, but they are also willing to listen to new ideas and include new voices."

Exemplary Performance

- The Green Ribbon Award over multiple Years
- 89 out of 100 schools have been retrofitted for energy, water and waste
- Reduced energy by 17.5%
- 10 solar schools
- 64 Washington Green Schools
- Increased recycling by 19.6%
- Learning Gardens in 80% of schools
- Saved \$1.4 Million in waste and energy costs
- 8000 pounds of food diverted from the landfill and shared with the community

Potential Barriers

- Need a Director with authority and focus for sustainability & environmental justice
- Operations budget is disconnected from capital budgets
- Behavior change & education is challenging
- Data is hiding
- Must have a full carbon footprint to be able to prioritize and plan

Synthesis

"Collaboration allows us to know more than we are capable of knowing ourselves." -Paul Solarz



RECOMMENDATIONS



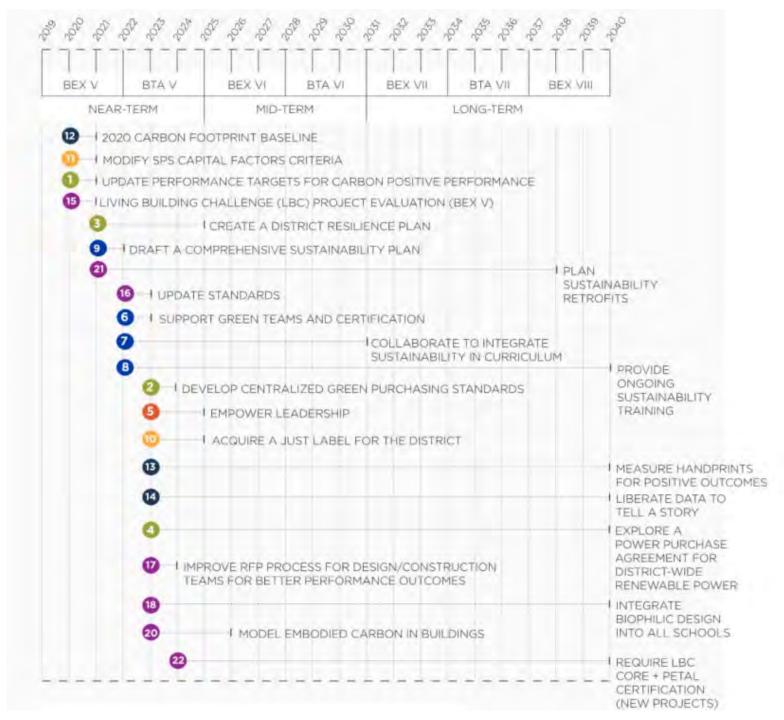












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Playbook

- Category
- Title
- What Recommended Goal/Strategy
- Why is this important?
- References
- Resources Needed

5 Staffing



EMPOWER LEADERSHIP

What - Recommended Goals/Strategies:

It is recommended that the District empower two new Chief Director positions:

- Chief Sustainability Director A position; likely connected to the Resource Conservation Group, that
 would work across departments to coordinate the many sustainability initiatives. This person would
 oversee environmental performance and objectives; align policies around the environment to actionable
 steps, (ell the district's stories, manage resilience planning, disseminate information, convene collaborative
 efforts, report annual progress toward performance targets, and coordinate with Capital Projects and
 Planning. Food Services, Transportation and DREA to ensure that the benefits of sustainability are
 distributed to all students and communities.
- Chief Environmental Justice Director A position, likely connected to DREA, that would work across
 departments and in collaboration with the Chief Sustainability Director to ensure that sustainability and
 equity are broadly held and equitably distributed across the school district targeted first in schools
 that have been furthest from environmental justice knowing that improvements in the conditions in these
 schools will have a ripple effect benefiting the entire district. This person will work to ensure that the
 benefits of sustainability are tied to equity initiatives and distributed to all students and communities.
- Both the CSD & CEJD could add to the diversity of the School Design Advisory Committee to ensure that both sustainability and equity are included in school design decisions from the beginning of the planning process.

Why:

To empower the champions for sustainability and environmental justice to have the authority to convene staff across departments, these positions would assist the current directors who are currently shouldering the leadership burden in these areas. These positions would be able to build in accountability and report progress to the board. These positions would become champions, mentors, and storytellers within the district and provide institutional memory and leadership for significant changes as outlined in this report. For initiatives that are currently languishing because champions are spread too thin, it would lend extra hands and focus to those programs. These leaders can work with Curriculum and Capital Projects teams to support the integration of sustainability and environmental justice into the physical and curricular infrastructure of the district.

References:

 The Resources Conservation team acquired sample job descriptions from peer schools in San Francisco and Portland through their sustainability directors' network. They can share lessons learned from other districts.

Resources Needed:

. Salaries and benefits for two positions at the Director Level

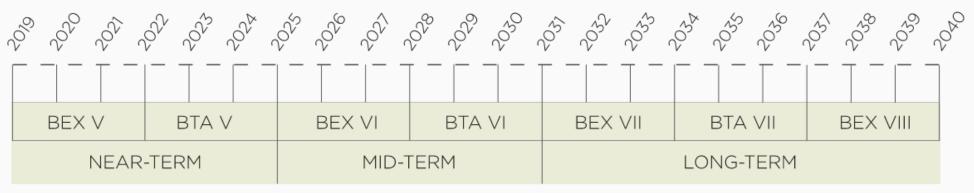




- Carbon Positive Targets
- Green Purchasing
- District Resilience Plan
- PPA for Renewables



Policy Recommendations in Time



- (1.)--------| UPDATE PERFORMANCE TARGETS FOR CARBON POSITIVE PERFORMANCE
 - (2.)——I DEVELOP CENTRALIZED GREEN PURCHASING STANDARDS
- 3. CREATE A DISTRICT RESILIENCE PLAN
- 4

EXPLORE A
POWER PURCHASE
AGREEMENT FOR
DISTRICT-WIDE
RENEWABLE POWER

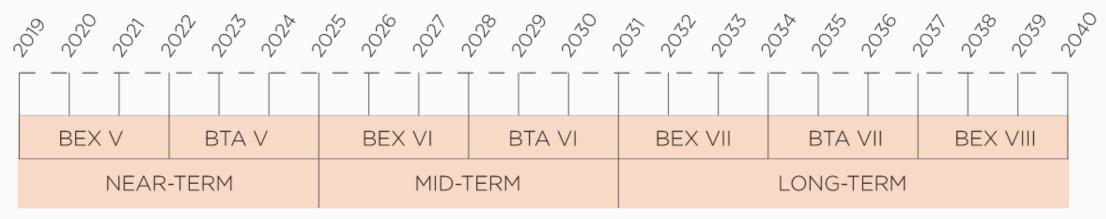




- A Director of Sustainability
- A Director of Environmental Justice
- With focus, authority and accountability



Staffing Recommendations in Time



5.) EMPOWER LEADERSHIP

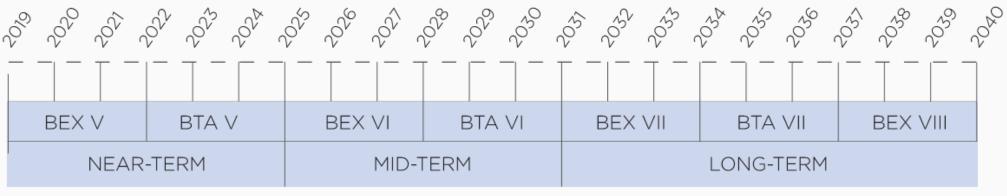




- Support the Green Teams already in place
- Collaborate with the Curriculum Advisors
- Ongoing training
- Comprehensive Sustainability Plan



Education Recommendations in Time



- (6.) SUPPORT GREEN TEAMS AND CERTIFICATION
- (7.) COLLABORATE TO INTEGRATE SUSTAINABILITY IN CURRICULUM
 - 8.

PROVIDE ONGOING SUSTAINABILTY

TRAINING

9. DRAFT A COMPREHENSIVE SUSTAINABILTY PLAN

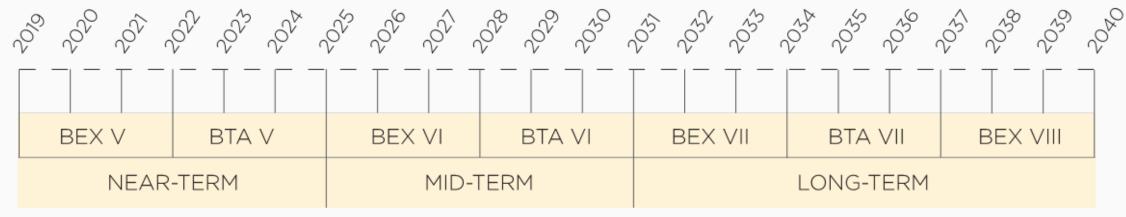




- JUST Label for the District
- Modify the existing Capital Factors Criteria

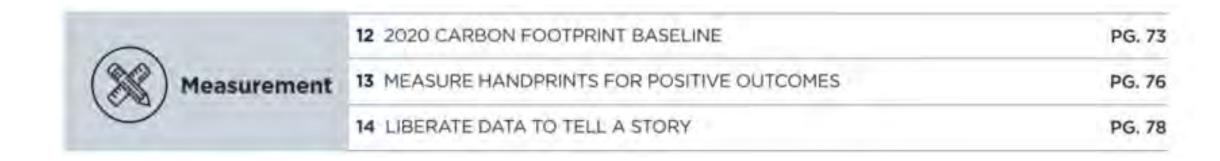


Equity Recommendations in Time



^{(11.) ------} MODIFY SPS CAPITAL FACTORS CRITERIA

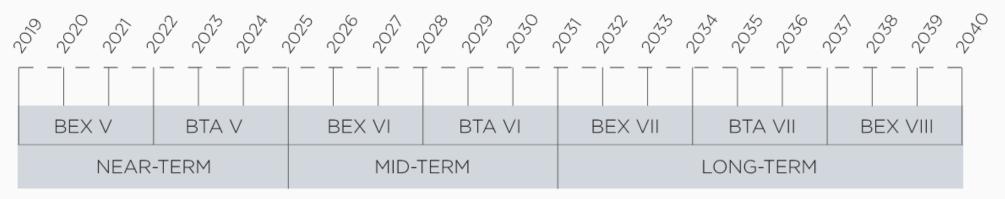




- Carbon baseline footprint for 2020
- Measures handprints and share positive outcomes
- Liberate data tell stories!



Measurement Recommendations in Time



(12.)------ 2020 CARBON FOOTPRINT BASELINE

1 MEASURE
HANDPRINTS
FOR POSITIVE
OUTCOMES

14. LIBERATE DATA TO TELL A STORY

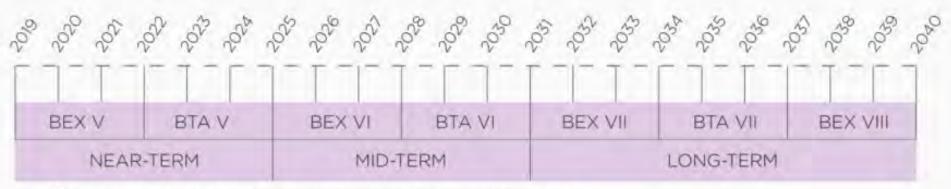




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Buildings + Site Recommendations in Time



- (15.) -- I LIVING BUILDING CHALLENGE (LBC) PROJECT EVALUATION (BEX V)
 - (16) | UPDATE STANDARDS
 - (17) I IMPROVE RFP PROCESS FOR DESIGN/CONSTRUCTION TEAMS FOR BETTER PERFORMANCE OUTCOMES
 - (B)

 (COMBINE STORMWATER RETROFITS WITH LIVING SCHOOL YARDS

 (2)

 (2)

INTEGRATE BIOPHILIC DESIGN INTO ALL

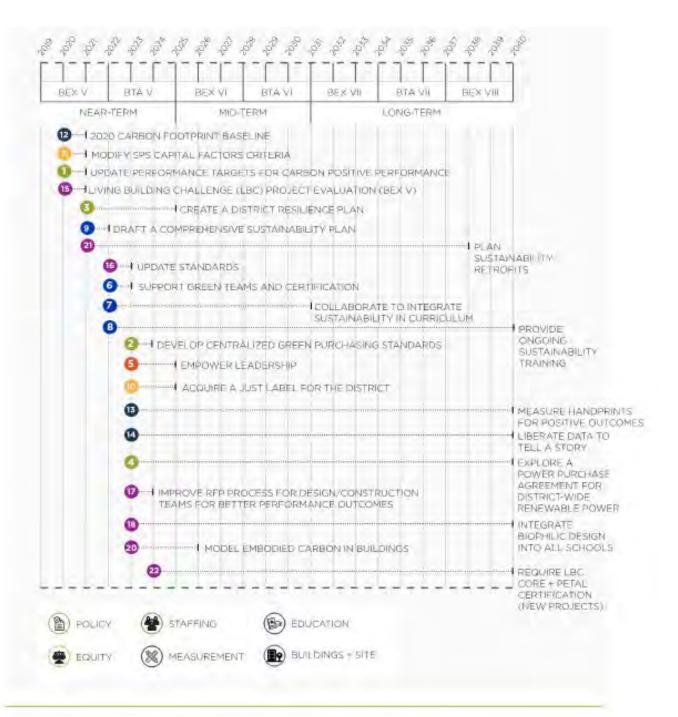
REQUIRE LBC CORE + PETAL CERTIFICATION (NEW PROJECTS)

MODEL EMBODIED CARBON IN BUILDINGS PLAN SUSTAINABILITY

SCHOOLS

RETROFITS





Order of Operations:

- Baseline Calculations
- BEX V Evaluations
- BTA V Planning
- Start Comp. Planning
- Update Standards
- Cont. Staff Education
- Empower Leadership
- Implement Targets
- Keep Measuring
- Celebrate as you go!

