

King County Green Building



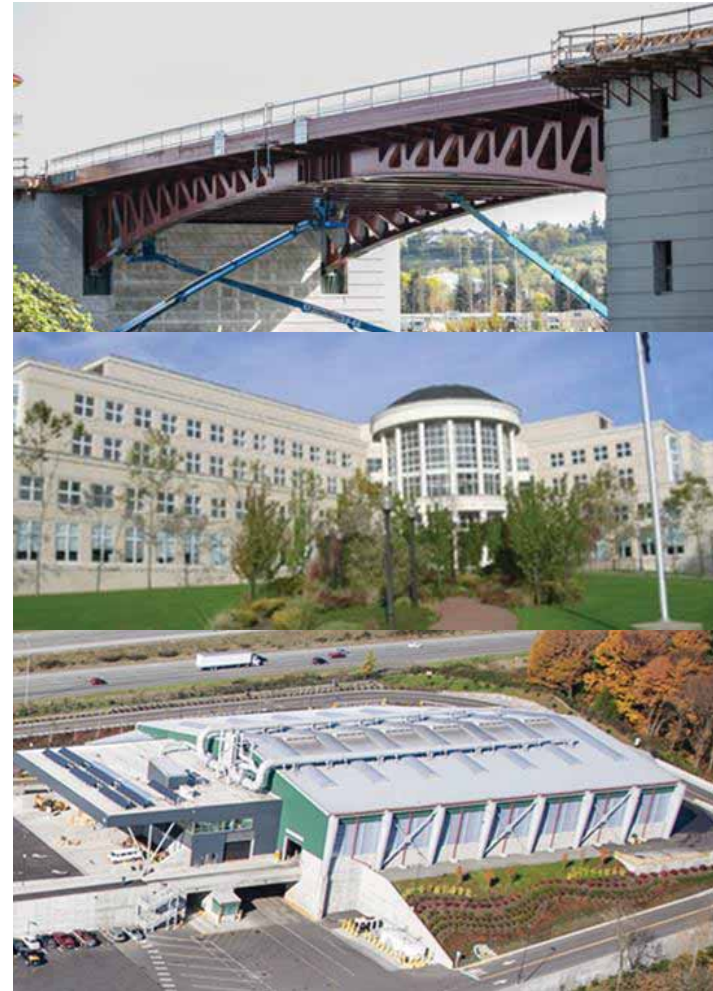
Green Building Ordinance (GBO) Update Annual Reporting Sustainable Infrastructure Scorecard

September 17, 2014
King Street Center
8th Floor Conference Center



Training Agenda

- Introduction
- GBO Update
- Annual Reporting
- Break
- Scorecard
- Closing



Training Objectives

- Understand the new Green Building Ordinance policies and requirements
- Know which reporting documents to use and how to use them
- Know what needs to be reported and when to submit
- Know the specific elements that must be considered when designing and constructing capital projects
- See how projects relate to the Sustainable Infrastructure Scorecard

Introductions

Nori Catabay, Program Manager
Internal Green Building Team



Green Building Team Division Representatives

Denise Thompson	Facilities Management Division, DES
Gary Molyneaux	King County International Airport, DOT
Autumn Salamack	Metro Transit Division, DOT
Jim Sussex	Road Services Division, DOT
Chris Erickson	Parks and Recreation Division, DNRP
Neil Fujii	Solid Waste Division, DNRP
Jacquelynn Roswell	Wastewater Treatment Division, DNRP
Nathan Brown	Water and Land Resources Division, DNRP

Green Building Team Division Representatives

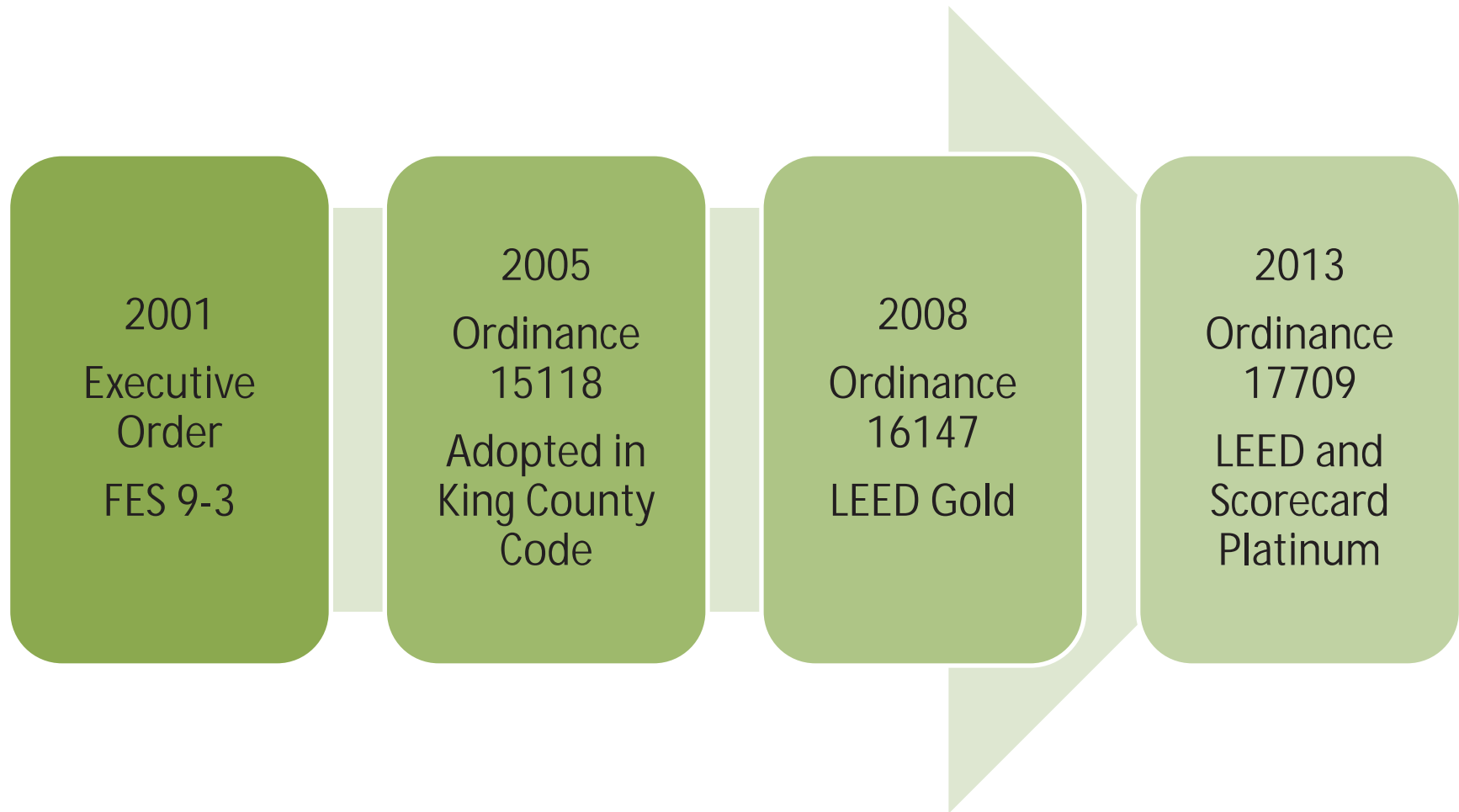
Jerry Rutledge	Power and Facilities, Transit
Randy Witt	Design and Construction, Transit
Frank Overton	Parks and Recreation, DNRP
Randy Poplock	Community Services, DCHS
John deChadenedes	Housing Finance, DCHS
Lisa Verner	Permitting and Environmental Review
Dave Cantrell	Public Health
Matt Kuharic	Climate Change Program
Wes Edwards	Energy Manager, DOT
Ben Rupert	Energy Manager, FMD
David Broustis	Energy Manager, DNRP
Karen Hamilton	Environmental Purchasing Program
Richard Gelb	Equity and Social Justice
Todd Scott	Historic Preservation Program
Kinley Deller	GreenTools Program
Patti Southard	GreenTools Program
Sid Bender	Performance, Strategy, and Budget
Megan Smith	Executive Office
Lauren Smith	Executive Office
Bob Burns	Leadership Sponsor, DNRP

- Internal Green Building Technical Assistance
- Construction & Demolition Recycling
- Trainings
- Newsletter
- Resources



www.greentools.us

Green Building Policy History



King County Strategic Plan

Goal:

Environmental Sustainability – safeguard and enhance County's natural resources and environment.

Objective:

Minimize County's operational environmental footprint

Green Building and Sustainable Development Ordinance 17709

The intent of this policy is to ensure that the planning, design, construction, remodeling, renovation, maintenance and operation of any King County-owned or financed capital project is consistent with the latest green building and sustainable development practices.

In April 2011, King County Executive Dow Constantine proposed a series of actions that will reduce climate emissions from county operations, save energy and money, and promote joint efforts with cities to reduce community-scale green house gas emissions.

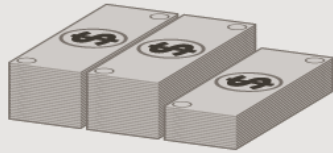


Executive Dow Constantine

IMPROVING ENERGY EFFICIENCY

Achieved ambitious energy efficiency improvements through investments, realizing

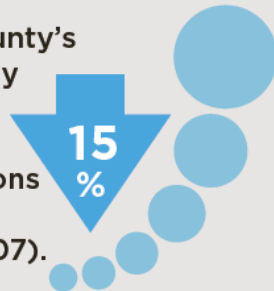
**\$2.6
MILLION**



in annual savings since 2010.

UP NEXT

Increase King County's operational energy efficiency and reduce greenhouse gas emissions by 15% by 2015 (compared to 2007).



“By embracing the highest green-building standards in the nation, we are taking action to meet our goal of cutting in half the climate impact of County operations. At the same time, we will save money on the energy needed to operate our facilities.”

Green Building Ordinance 17709

Major policy changes:

- Platinum goal for LEED and Scorecard projects
- Minimum Performance Requirements
 - Meet SCAP and Energy Plan requirements for emission and energy reductions
 - 80% C&D diversion rate by 2016, 85% C&D diversion rate by 2020
 - Use of King County Stormwater Design Manual

Green Building Ordinance 17709

Major policy changes:

- Adds alternative rating systems



Green Building Ordinance 17709

Major policy changes:

- Updated streamlined reporting criteria and Project Information Center (PIC) database
- Baselines and standardized units
- Procurement requirements
- Pilot Scorecard for historic renovation projects

Green Building Ordinance 17709

Major policy changes:

- Affordable housing projects funded by King County
- DCHS staff included in Green Building Team
- Transit Oriented Development (TOD) clarification

Green Building Ordinance 17709

Major policy changes:

- Communitywide green building efforts
 - Green Building Handbook and training
 - Regional Code Collaboration
 - Living Building Challenge Demonstration Ordinance
 - Interagency review committee

Green Building Ordinance 17709

Policy continuation:

- Green O&M practices
- Fiscal stewardship 0% and 2% cost limitations
- Life Cycle Cost Assessment
- Staff Training
- Green Building Team (GBT)

U.S. Green Building Council

Best in Class: King County, WA leads by Platinum example



“Exceptional leadership is derived from exceptional people and the worlds they choose to create. County Executive Constantine, his staff, and our colleagues at the Cascadia Green Building Council have been setting a high bar for sustainability leadership in the Pacific Northwest for years, and this latest action is in keeping with their unwavering commitment to a future that benefits every citizen in the county.”

- Rick Fedrizzi, USGBC President & CEO

Benefits of Using the Scorecard & LEED

- Better Projects
- Facilitate Innovation
- Support KC Environmental Policies
- Reduce O&M costs
- Increased Funding Competitiveness



For ANY Project

Implementation Priorities

- Use a green approach from the start, integrating LEED, Sustainable Infrastructure Scorecard or alternative rating system as applicable
- Apply minimum performance requirements
- Complete reporting and documentation requirements



What the GBO Requires From You

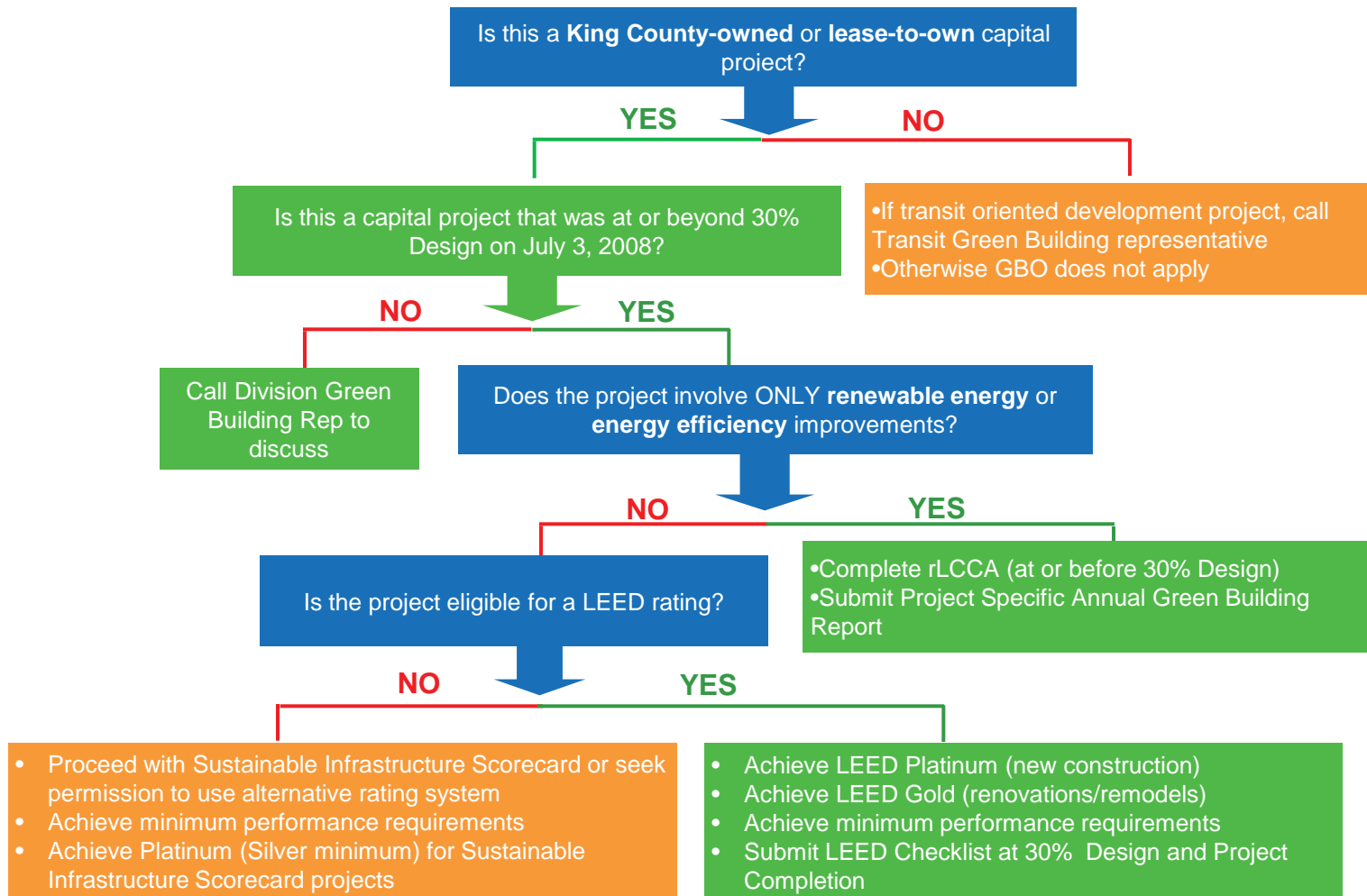
Participate in a Training



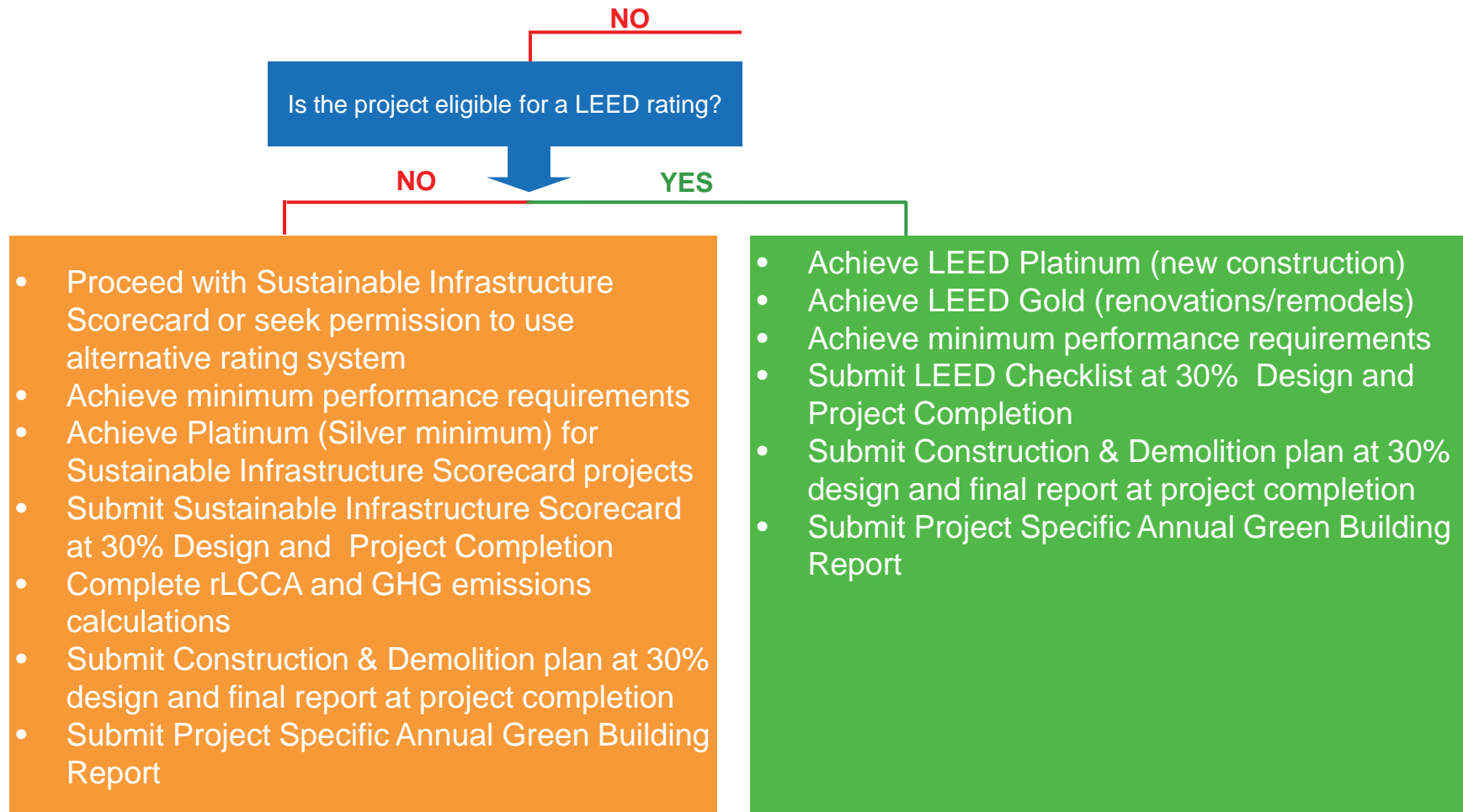
Apply Green Building and
Sustainable Development
Techniques to Your
Projects

Report Your Participation

When Does This Apply To Your Projects?



When Does This Apply To Your Projects?



Reporting

- Excellence in reporting recognition
- Capital Project Management Launch



NE Novelty Hill Road Project Team

Reporting

Instructions			
Fill out the fields highlighted in green.			
These contain the remaining information needed for the Annual Report.			
Hover over cells that have red comment triangles to view additional information and instructions.			
Once complete, move to the scorecard that corresponds with the current phase of project completion.			
<h3>Green Building and Sustainable Development Ordinance</h3> <h4>Project-specific Annual Reporting Form</h4>			
Department: 0	Division: 0	Reporting Year: 0	
Name of Project: 0			
Location of Project: 0			
Type of Project: 0			
Project Manager: 0	Project Number: 0		
Brief description of project: 0			
What phase is the project in? 0 30% Complete? FALSE			
Project completion date: 1/0/1900	Project Budget: \$0		
For structures, what square footage? 0			
For other types of projects, what is the size of project (i.e. # acres, linear feet, etc.): 0			

Reporting

PROJECT CERTIFICATION

What rating system did this project use:

If you chose "Other" rating system, which system did you use (leave blank if N/A)?

What rating level is targeted?

Additional costs (in \$) associated with achieving LEED or Scorecard certification:

Aspects of the project associated with the additional cost:

Did this project use an integrative design process?

FOR ALL PROJECTS SUBJECT TO SUSTAINABLE BUILDING REQUIREMENTS

List green building and sustainable development strategies employed in this project:

Projected greenhouse gas savings (MTCO₂e):

[GHG Emissions Calculator tool](#)

[GHG Emissions Calculator & Mitigation Strategies Guidelines](#)

Projected energy savings (MMBtu):

Projected water savings (gallons/year):

Projected waste diversion rate (percentage):

Construction and Demolition Diversion Plan:

[GreenHalo Reporting System](#)

Projected Operations and Maintenance Costs:

Reporting

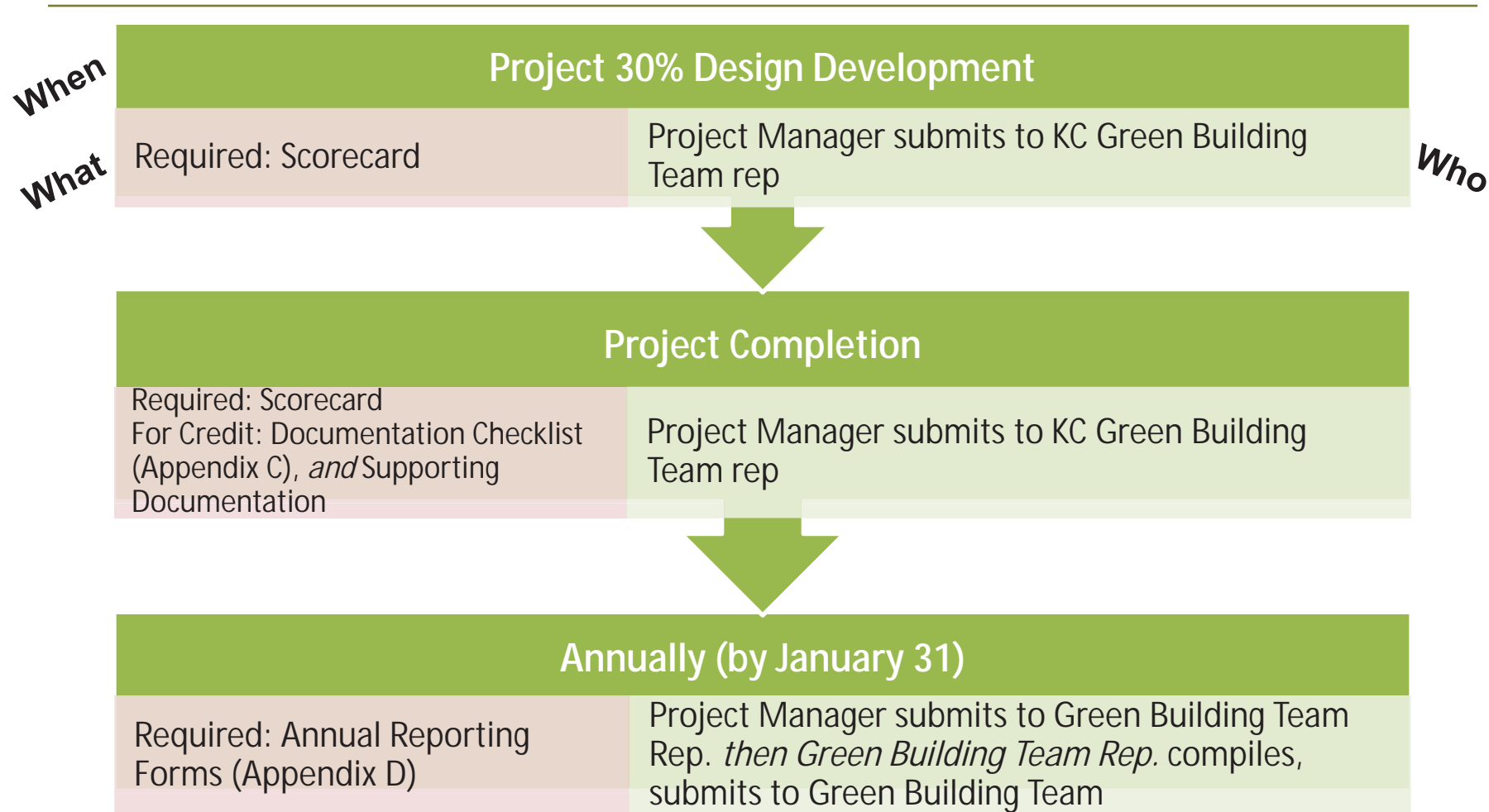
FOR COMPLETED PROJECTS - To be filled out one year after completion

Actual operations and maintenance costs:	
Actual greenhouse gas savings (MTCO ₂ e):	
GHG Emissions Calculator tool	GHG Emissions Calculator & Mitigation Strategies Guidelines
Actual energy savings (MMBtu):	
Actual water savings (gallons/year):	
Construction and Demolition Diversion Report:	
GreenHalo Reporting System	
Recycled waste diversion rate (percentage):	
Recycled waste (tons):	
Actual environmentally preferable products used:	
Fiscal Performance:	

Reporting

- Click to Excel file for live demonstration using actual reporting form.
 - Walk through reporting criteria
 - Show where instructions/tips are
 - Highlight where improvements were made based on PM feedback

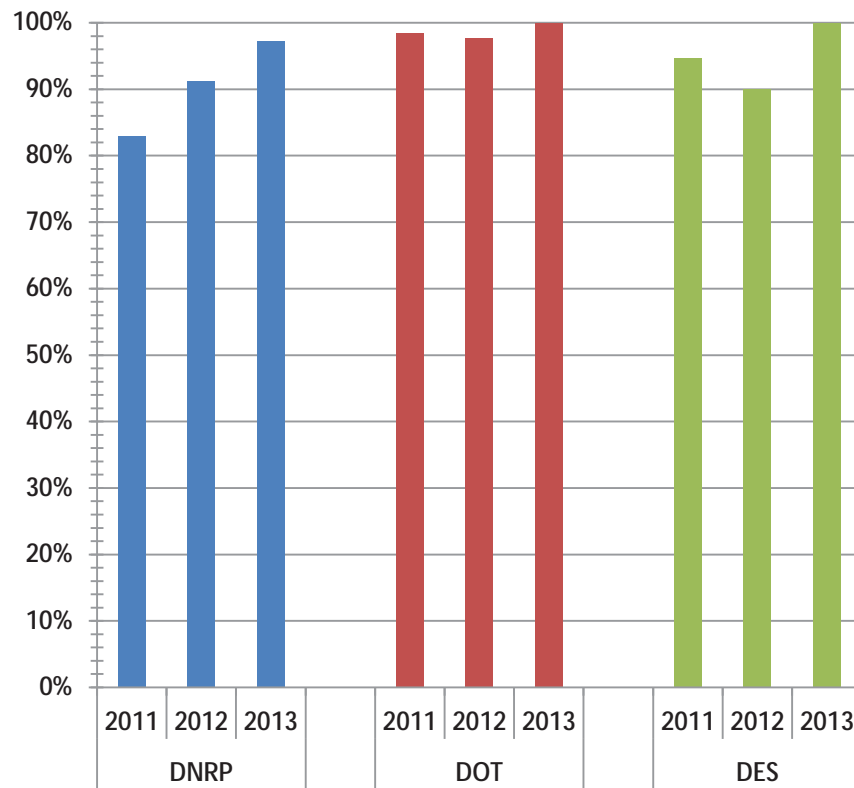
Reporting Requirements



GBO Performance Measures

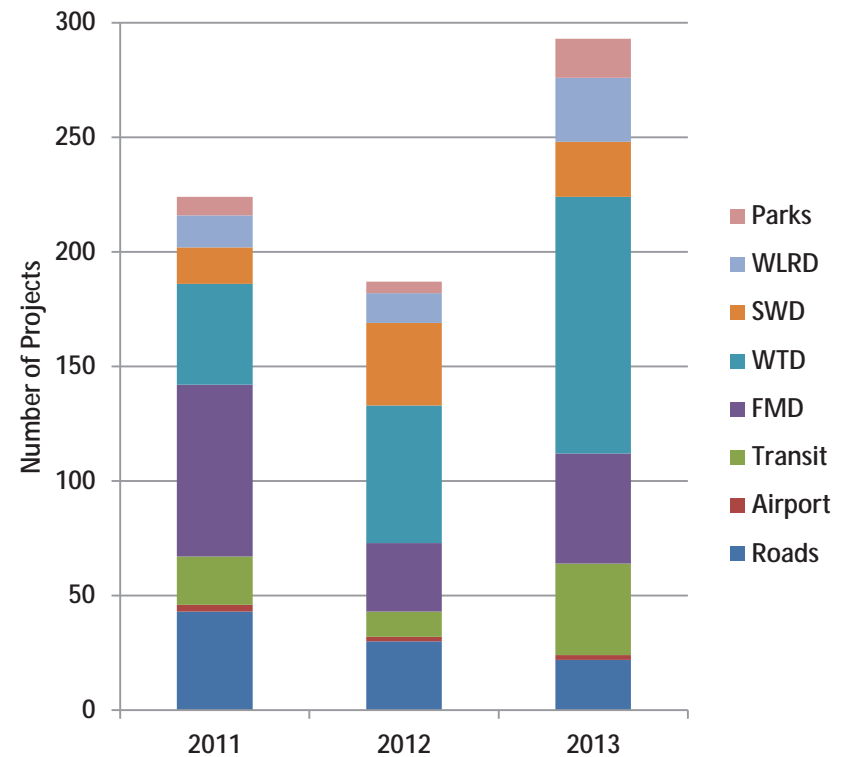
Project Compliance

(Percentage of compliance by department)



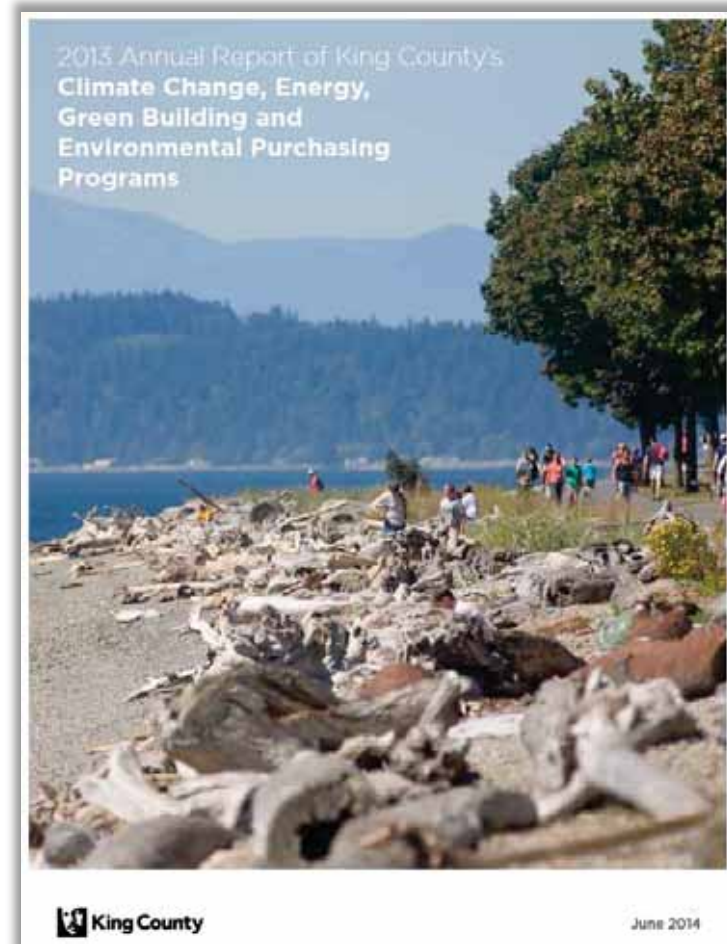
Total Number of Projects

(By division)



Where Your Documentation Goes

- Annual Sustainability Report is transmitted to the Council by June 30 of each year.



Break

Sustainable Infrastructure Scorecard

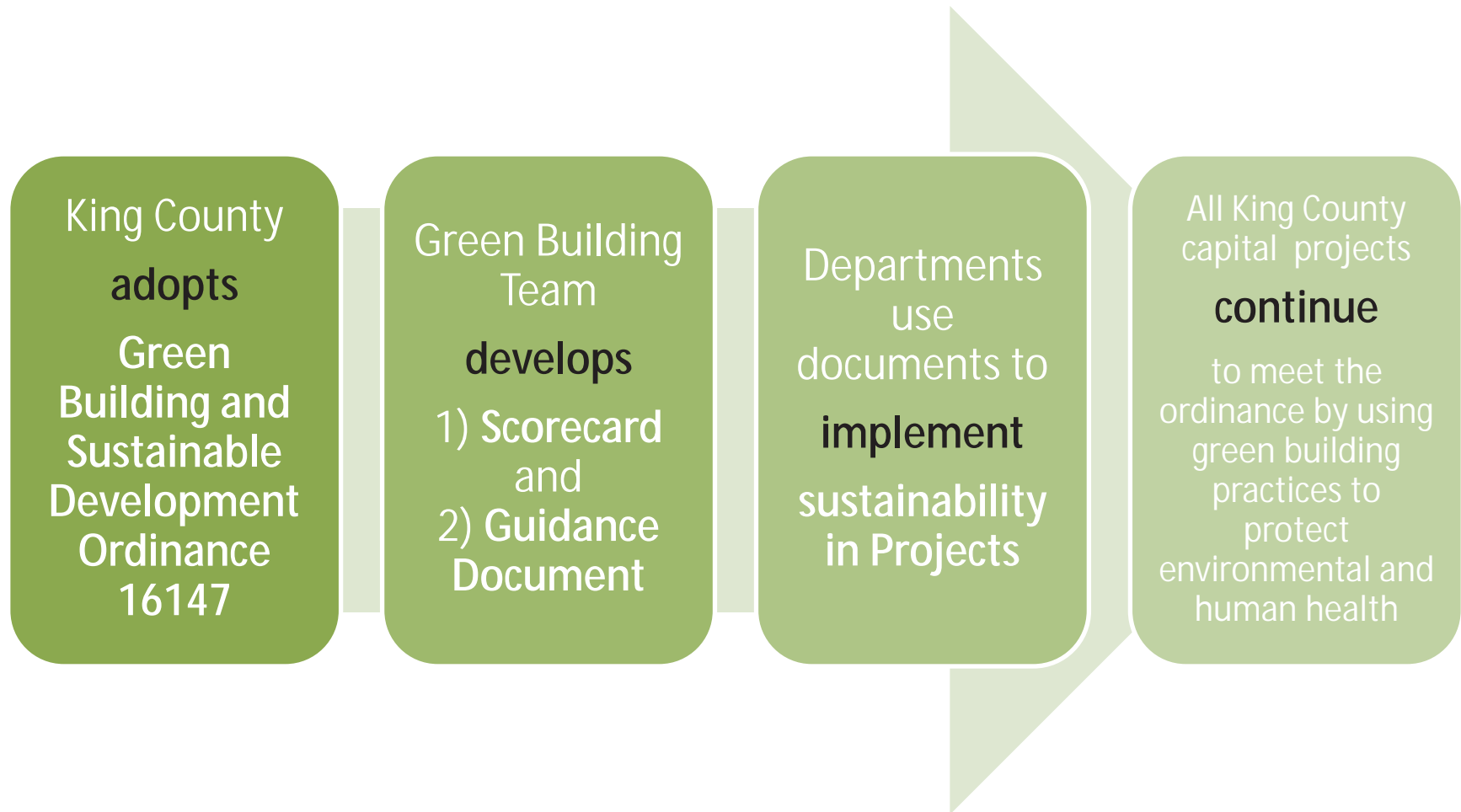


Sustainable Infrastructure Scorecard



- Uses basic concepts similar to the LEED® rating system
- Adapted to apply to infrastructure projects
- Includes nine sustainability categories
- Completed at 30% Design and Project Completion

Background



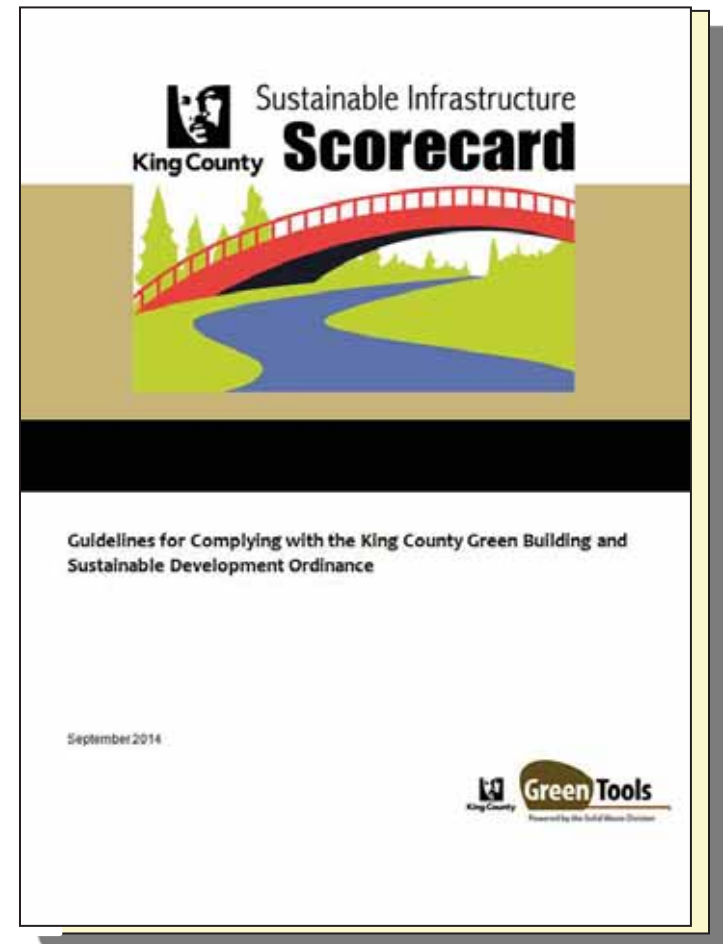
Continue Innovation and Leadership

- King County has been in the forefront in green building and sustainable development.
- The Sustainable Infrastructure Scorecard is a vehicle to document your leadership and get credit for your innovation.



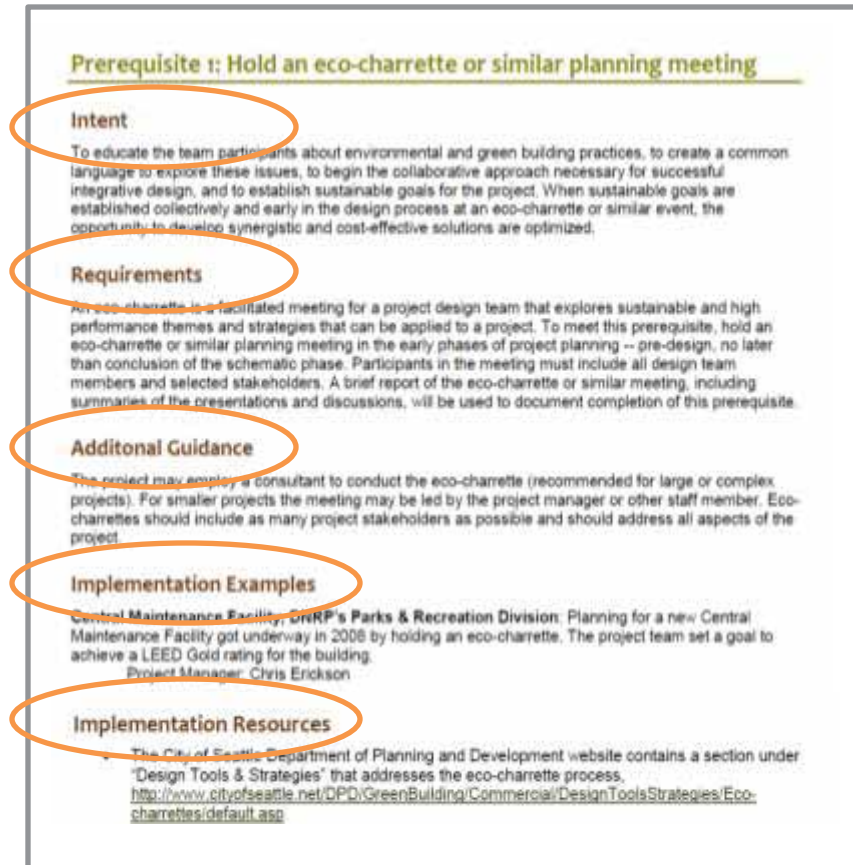
Introducing the Guidelines Document

- **Introduction/Purpose**
 - Defining Eligibility for Capital Projects
 - Non-LEED Eligible Capital Projects
 - Training
 - Future Updates
 - Reporting Requirements
- **How to Use This Guide**
 - Project Checklist
 - Sustainable Infrastructure Scorecard
 - Documentation Checklist
 - Determining Your Score



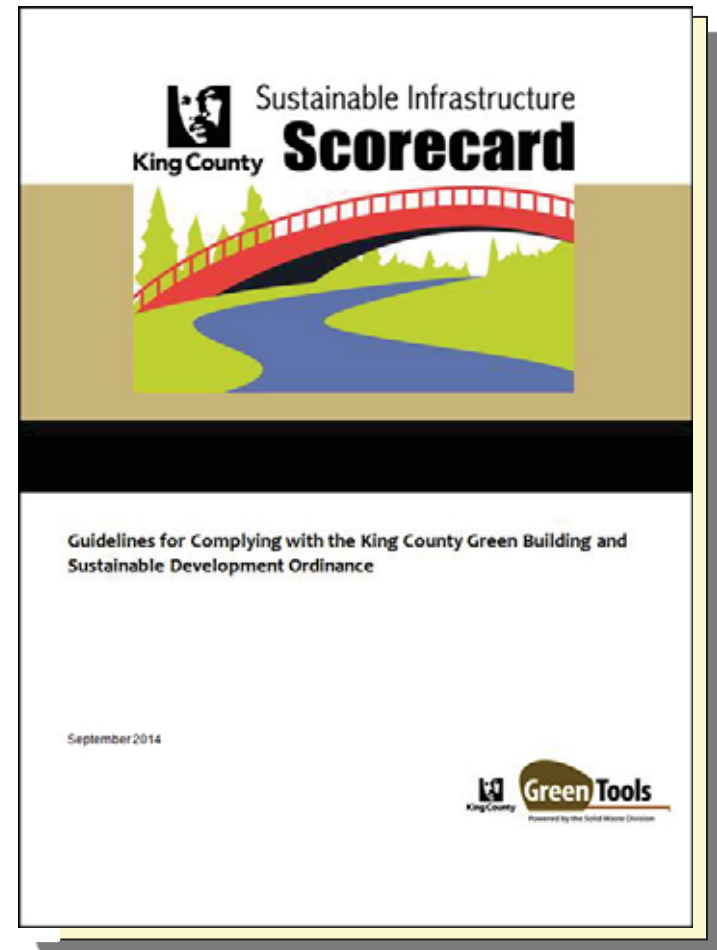
Introducing the Guidelines Document

- Scorecard Implementation Guide
 - Intent
 - Requirements
 - Additional Guidance
 - Implementation Examples
 - Implementation Resources




Introducing the Guidelines Document

- **Appendix**
 - A: KC Sustainable Infrastructure Scorecard
 - B: KC Sustainable Infrastructure Documentation Checklist
 - C: Division-Specific Scorecards
 - D: Annual Reporting Forms
 - E: County-wide Green Building Team Division Representatives
 - F: LEED-Eligible Checklist



Getting the Guidelines

<http://your.kingcounty.gov/solidwaste/greenbuilding/scorecard.asp>

 **King County**

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Solid Waste Division
reduce, reuse, recycle


What do I do with...? | Facilities | Garbage & Recycling | Calendar | About Us | Contact Us

Programs & Services Directory


Search the Solid Waste Division Website

Go

[DNRP](#) | [SWD](#) | [Green Building](#) | [King County Green Building](#) | [Sustainable Infrastructure Scorecard](#)

 **GreenTools**
Powered by the Solid Waste Division

King County Green Building



GreenTools

Eco-Cool Remodel Tool

EcoCribz

GreenTools blog

GreenTools for Builders & Homeowners

King County Green Building

- GreenTools Program
- Green Building & Sustainable Infrastructure Ordinance
- Sustainable Infrastructure Scorecard
- Green Building Team
- Green Building Standards
- Managing the LEED™ Process
- Green Building Case Studies

Sustainable Infrastructure Scorecard

The Sustainable Infrastructure Scorecard uses basic concepts of the LEED® rating system, adapted to more appropriately apply to infrastructure projects in King County. The resulting Scorecard includes nine categories, including a set of prerequisites, seven sets of credits (optional items) organized by key topics of sustainability, and an additional set of credits (also optional) for enhanced performance. This on-line Guide provides information for achieving each prerequisite and credit. Downloadable versions of the [Sustainable Infrastructure Scorecard \(PDF, 91 K\)](#) and [Guidelines \(PDF, 500 K\)](#) are also available.

Instructions: Select a category below to retrieve a list of credits.

Select Category

Select a category

Introducing the Scorecard

Appendix A: King County Sustainable Infrastructure Scorecard (30% Scorecard & Complete Scorecard)

30% Scorecard

Instructions				
Fill out the following scorecard when the design phase of the project is 30% complete, checking the appropriate box for each prerequisite and credit. Hover over cells that have red comment triangles in the upper right corner to view additional information and instructions. Hover here for an example.				
For further clarification on specific credits, including implementation examples and resources, visit the King County GreenTools Website: Sustainable Infrastructure Scorecard and Guidelines				
When the Project Info, Annual Report, and appropriate Scorecard are complete, send this Excel file to your Green Building Team Representative.				

Sustainable Infrastructure Scorecard				
30% Scorecard				
Name of Project:			Score	Level
Yes	No	N/A	0	Below Minimum
0	55	0	0.00%	

Department: 0 Division: 0 Reporting Year: 0
 Location of Project: 0 Project Manager: 0
 Type of Project: 0 Project Number: 0

Required					Comments
Yes	No	N/A			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 1	Hold an eco-charrette or similar meeting	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 2	Use Life Cycle Cost Assessment	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 3	Account and mitigate for greenhouse gas emissions	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 4	Implement erosion and sedimentation control best management practices	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 5	Reduce energy use by at least 15% over local code	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 6	Install water saving fixtures	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 7	Implement Green O&M program, including a green cleaning program	
Planning and Designing for Sustainable Development					
Yes	No	N/A			Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PD credit 1.0	Use an integrative design process	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PD credit 2.0	Use "green" contract language and specifications	

Sustainable Infrastructure Scorecard Ratings

55 is always the
maximum number
of possible points

55 minus 11 N/A
= 44 available



34 points earned
on your project

34/44
= 77.2%

Sustainable Infrastructure Scorecard Ratings

Percent of Points Achieved	Rating
38% or above	Bronze
48% or above	Silver
57% or above	Gold
75% or above	Platinum

Digging into the Scorecard

Appendix A: King County Sustainable Infrastructure Scorecard (30% Scorecard & Complete Scorecard)

30% Scorecard

Instructions
Fill out the following scorecard when the design phase of the project is 30% complete, checking the appropriate box for each prerequisite and credit. Hover over cells that have red comment triangles in the upper right corner to view additional information and instructions. Hover here for an example.
For further clarification on specific credits, including implementation examples and resources, visit the King County GreenTools Website: Sustainable Infrastructure Scorecard and Guidelines
When the Project Info, Annual Report, and appropriate Scorecard are complete, send this Excel file to your Green Building Team Representative.

Sustainable Infrastructure Scorecard					
30% Scorecard					
Name of Project:			0		
Yes	No	N/A	Score	Level	
0	55	0	0.00%	Below Minimum	
Departments:	0	Divisions:	0	Reporting Years:	0
Location of Project:	0			Project Manager:	0
Type of Project:	0			Project Numbers:	0
Required					
Yes	No	N/A			Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 1	Hold an eco-charrette or similar meeting	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 2	Use Life Cycle Cost Assessment	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 3	Account and mitigate for greenhouse gas emissions	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 4	Implement erosion and sedimentation control best management practices	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 5	Reduce energy use by at least 15% over local code	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 6	Install water saving fixtures	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Prerequisite 7	Implement Green O&M program, including a green cleaning program	
Planning and Designing for Sustainable Development					
Yes	No	N/A			Comments
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PD credit 1.0	Use an integrative design process	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PD credit 2.0	Use "green" contract language and specifications	

Digging into the Scorecard

- Click to Excel file for live demonstration using actual Scorecard form.
 - Walk through Scorecard tabs
 - Show where instructions/tips are
 - Highlight where improvements were made based on PM feedback

Scorecard Organization

Categories	Points
Required Elements	-
Planning & Designing for Sustainable Development	8
Construction Best Management	7
Preserve and Maintain Natural Site Amenities	8
Social Benefits	2
Reduce Energy Use and Promote the use of Renewable Energy	8
Water Management	6
Use of Sustainable Materials	10
Enhanced Performance	6

Required Elements

- Because the scorecard is designed to apply to a wide variety of projects, some projects will not be able to meet all of the prerequisites. Those that don't apply to a particular project type should be marked "N/A" .

Required Elements - no points
eco-charrette
LCCA
account for and mitigate GHG
erosion & sedimentation control BMP
reduce energy use 15% over local code
install water-saving fixtures
implement green O&M (green cleaning)

Prerequisite 1: Hold an eco-charrette or similar meeting

Projects must hold an eco-charrette or similar planning meeting in the early phases of project planning -- pre-design, no later than conclusion of the schematic phase and include all design team members and selected stakeholders.

Murray CSO Eco-Charrette



Planning and Designing for Sustainable Development

Rewards projects that use a green processes, develop on brownfield sites, plan for alternative transportation, account for on-going maintenance, and include a number of construction efficiencies.

Planning & Design (PD) – 8 points

Use an integrative design process

Use "green" contract language and specifications

Develop on brownfield sites

Plan and design for alternative transportation

Plan and design for long-term maintenance

Design for Disassembly

Plan, design, and build with pre-fabricated elements

Plan for efficient construction delivery and staging

PD Credit 5: Plan & Design for Long Term Maintenance

Ensure that a project's maintenance needs are planned for during the design process, reducing the long term cost for maintenance as well as equipment replacement.



Construction Best Management

Best practices to divert construction waste from the landfill, reduce transportation of construction materials, reduce carbon emissions resulting from operating construction equipment, improve indoor air quality for workers and building occupants, and reduce water used for cleaning and dust control.

Construction Management (CM) – 7 points

Recycle construction and demolition materials :
50%-95% diverted

Use on-site materials in construction

Use alternative fuels in construction equipment

Implement indoor air quality construction
management plan

Reduce water use for cleaning and dust control

CM Credit 1: Recycle C&D materials : 50%-95% diverted

Specify and implement a construction waste management plan with a specified diversion rate. In addition to addressing materials that can be recycled, the plan must address potential reuse, including opportunities to reuse building or site materials in the existing project or in new projects.

Lower Boise Creek



Preserve and Maintain Natural Site Amenities

Minimizing disturbance to the existing site, maintaining or enhancing the existing vegetation and soils, and preserving or creating wildlife corridors and habitat. Credits are also available for reduction of light pollution from the project, integrating vegetation through green roofs and covers, and designing natural acoustic buffers.

Site Amenities (SA) – 8 points

Minimize development footprint

Preserve existing native vegetation

Retain or create open space and corridors

Reuse native soils on-site

Use light-colored exterior surface treatments - roof and non-roof

Integrate vegetated roofs and green areas

Design lighting for reduced light pollution

Design natural acoustic buffers

SA Credit 4.0: Reuse native soils on-site

- The reuse of native soils on-site reduces transportation trips from hauling purchased imported soil and disposing of excavated soil.

**North Base Garage Roof Liner and
Pavement Replacement**



**17th Avenue SW
Pedestrian Safety Project**



Social Benefit

Accounts for the positive impacts that a project may have on a community. It acknowledges efforts made by the project team to enhance or create a community amenity or for a project that achieves a division-specific goal relating to the surrounding community.

Social Benefit (SB) – 2 points

Create public amenity

Meet Division-specific social equity goal



SB Credit 1.0: Create public amenity

Any project creating a public amenity may earn this point. Public amenities provide a centralized location for a wide range of recreational and community activities, such as gatherings; can be an economic development tool; and can be a significant source of community pride, creating safer communities.

Little Footprint / Big Forest



South Park Bridge



Reduce Energy Use and Promote the Use of Renewable Energy

Awards points for energy efficiency, for using efficient lamps, fixtures and motion-sensitive equipment, for installing on-site renewable energy, for the purchase of green power, and for using a commissioning process.

Energy (EN) – 8 points

Install photocells and motion-sensitive switches where appropriate

Reduce energy use: 20%-50 reduced

Install on-site renewable energy

Purchase Green Power for two years for 100% of energy needs

Commissioning

EN Credit 2: Reduce energy use (%)

- Reduced consumption reduces operating costs and has the added benefits of reducing global greenhouse emissions and protecting the County from volatile energy pricing.

King County Aquatic Center



Water Management

Emphasizes low impact development practices to handle stormwater, the use of low-flow water-saving fixtures, high efficiency irrigation, rainwater collection for watering purposes and the practice of installing native and drought-tolerate landscaping.

Water Management (WM) – 6 points

Treat 50%-100% stormwater through LID techniques

Install high efficiency irrigation systems

Install rainwater collection system

Plant drought resistant native species to eliminate need for irrigation

WM Credit 1.0: Meet stormwater requirements through LID techniques

To reduce polluted runoff by infiltrating rainfall water to groundwater, evaporating rainwater back to the atmosphere after a storm

Rain Garden at 272nd Street and Military Road South



Use of Sustainable Materials

Points can be attained for using low-emitting adhesives, sealants and paints, using materials that come from within 500 miles of the project, using high-content recycled materials, using Forest Stewardship Council certified wood, using renewable materials, using cement substitutes and using salvaged materials.

Sustainable Materials (SM) – 10 points

Use low-emitting adhesives & sealants (100%)

Use low-emitting paints (100%)

10% materials sourced from within 500 miles

Heavy materials sourced from within 500 miles

Plants sourced within 250 miles

Use high recycled-content materials

Use FSC certified sustainable wood

Use renewable materials

Use cement substitutes

Reuse salvaged materials

SM Credit 4: Use high recycled-content materials

- Projects that incorporate at least 10% high recycled-content (pre- and post-consumer waste) materials, based on cost, of the total project materials cost, may claim this credit.

**White Center Public Health
WIC Counter Remodel**



Enhanced Performance

Points available under this category award projects that bring added value to the project during design, construction, and/or on-going operations and maintenance.

Enhanced Performance – 6 points

Performance Reporting of Prerequisite 5

Performance Reporting of Prerequisite 6

Performance Reporting of Prerequisite 7

Performance Reporting of Any Credit

Submit Supporting Documentation

LEED Accredited Professional

Documentation Checklist

Appendix B: King County Sustainable Infrastructure Documentation Checklist

1. Check the "Yes" box and fill in the data and documentation columns where appropriate, as you complete project prerequisites and credits.
2. Check the "No" box for credits that the project is not pursuing.
3. Check the "N/A" box for any prerequisites or credits that are outside the scope of the project.
4. Submit this checklist along with the supporting documentation and scorecard when the project documentation is complete.

Required						
Yes	No	N/A			Data	Documentation
			Prerequisite 1	Hold an eco-charrette or similar meeting	N/A	Attach charrette/meeting report
			Prerequisite 2	Use Life Cycle Cost Assessment	N/A	Attach LCCA report
			Prerequisite 3	Account and mitigate for greenhouse gas emissions	Tons of GHG reduced	Attach GHG calculations
			Prerequisite 4	Implement erosion and sedimentation control best management practice	N/A	Attach a TESC Plan
			Prerequisite 5	Reduce energy use by at least 15% over local code	% of energy reduction	Attach energy calculations
			Prerequisite 6	Install water saving fixtures	% of water reduction	Attach water calculations
			Prerequisite 7	Implement Green O&M program, including a green cleaning program	N/A	Attach green cleaning plan
Planning and Designing for Sustainable Development						
Yes	No	N/A			Data	Documentation
			PD credit 1.0	Use an integrative design process	N/A	Attach project schedule that supports IDP
			PD credit 2.0	Use "green" contract language and specifications	N/A	Attach excerpts from bid, contract, and/or specifications with "green" contract language
			PD credit 3.0	Develop on brownfield sites	N/A	Attach a list of on-site contamination and how it was remediated
			PD credit 4.0	Plan and design for alternative transportation	N/A	List alternative transportation

Specific Documentation Requirements

Preserve and Maintain Natural Site Amenities			Data		Documentation
Y	N	N/A			
			SA credit 1.0	Minimize development footprint	n/a describe strategies employed to minimize project footprint
			SA credit 2.0	Preserve existing native vegetation	n/a attach site plan with preservation of existing native vegetation denoted
			SA credit 3.0	Retain or create open space and corridors	% of open space & corridors attach site plan with any no-build buffer zones denoted
			SA credit 4.0	Reuse native soils on-site	# cubic yards of native soils n/a
			SA credit 5.0	Use light-colored exterior surface treatments - roof and non-roof	n/a list light-colored exterior surface treatments
Y			SA credit 6.0	Integrate vegetated roofs and green areas	n/a attach site plan with vegetated roofs and green areas denoted
			SA credit 7.0	Design lighting for reduced light pollution	n/a attach exterior lighting plan with photometric information
			SA credit 8.0	Design natural acoustic buffers	n/a attach site plan with natural acoustic buffers denoted

How Does the Scorecard Compare to LEED?

KC Green Building Ordinance	LEED
Locally developed to address regional conditions	Nationally developed to fit a broad range of conditions
Applicable to buildings and infrastructure	Applicable only to buildings
Credits are each worth 1 point	Credits are worth variable numbers of points
Allows elimination of N/A credits , score based on percentage of available points earned	Must meet all prerequisites, score based on total points earned

Reality Check

Implementation Challenges

- Diverse/challenging applications
- Credit interpretation will evolve
- Scorecard modifications expected
- Resource limitations
- Do the best you can



For ANY Project

Implementation Priorities

- Use a green approach from the start, integrating LEED, Sustainable Infrastructure Scorecard, or alternative rating system as applicable
- Complete reporting and documentation requirements
- Utilize KC green building resources as you go
- Provide feedback to the green building team for refinement.

Benefits of Using the Scorecard & LEED

- Better Projects
- Facilitate Innovation
- Support KC Environmental Policies
- Reduce O&M costs
- Increased Funding Competitiveness



Key Issues

- Platinum is the goal
 - Minimum performance requirements
 - SCAP and Energy Plan
 - KC Stormwater Design Manual
 - 80% C&D diversion
 - Annual reporting each year project is active
 - Include data for every reporting criteria
 - LEED/Scorecard/Alternative scorecard
 - 30% Design and Project Completion
 - Contact your GBT Division representative
-

Upcoming Trainings

Sept. 30 - Integrative Process (IP)/Ecocharrette

Oct. 8 - Resource Life Cycle Cost Assessment (rLCCA)

Nov. 6 - GHG Calculation and Mitigation

Nov. 20 - Construction and Demolition (C&D)



Resources

Make good use of the Green Building Team!

- Credit interpretation and review
- Technical assistance
- [GreenTools website](http://your.kingcounty.gov/solidwaste/greenbuilding/county-green-building.asp)
<http://your.kingcounty.gov/solidwaste/greenbuilding/county-green-building.asp>

Capital Project Management Manuals

- Countywide CPMWG website
<http://dnr-web.metrokc.gov/projects/cpm/resources.htm>
- Division specific CPM manuals

Resources

For More Information Contact:
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Ben Rupert	Energy Manager, FMD
David Broustis	Energy Manager, DNRP
Karen Hamilton	Environmental Purchasing Program
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Todd Scott	Historic Preservation Program
Kinley Deller	GreenTools Program
Patti Southard	GreenTools Program
Sid Bender	Performance, Strategy, and Budget
Megan Smith	Executive Office
Lauren Smith	Executive Office
Bob Burns	Leadership Sponsor, DNRP

Thank You!

