

Measuring What Matters

- Quantification of impacts and benefits
- Valuation
- Data collection, analysis and lessons learned
- Third-party verification
 - Accountability
 - Common yardstick
 - Access to incentives and funding





Current and Emerging Rating Systems



• LEED for Neighborhood Developments



• Living Building Challenge (Landscape and Infrastructure)



• Sustainable Sites Initiative



Greenroads



- Envision
- STAR Community Index

Other Related Rating Systems/Initiatives

- Built Green Communities
- Enterprise Green Communities
- FHWA's InVEST
- Sustainable **Transportation Access** Rating System
- Sustainable Asset Management
- Landscape Performance Series
- **Complete Streets**
- Eco Districts
- Salmon Safe
- One Planet Living/EcoConcierge
- · Green Factor









In-house Program Examples

- King County Sustainable Infrastructure Scorecard
- Sound Transit Sustainability Checklist
- National Park Service Sustainability Checklist
- WSDOT Sustainable Practices Plan pilot











Pro

- Development speed
- · Custom, unique to your community or organization
- Internally regulated
- Control marketing/messaging

Con

- Not widely applicable / comparable
- Need to provide infrastructure to support
- Staff responsible for accountability
- No external verification
- No external brand











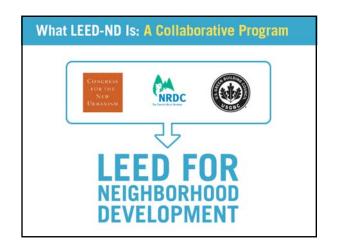


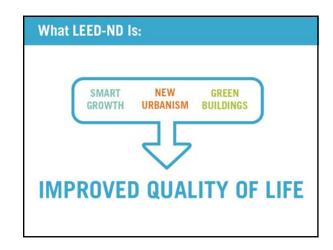


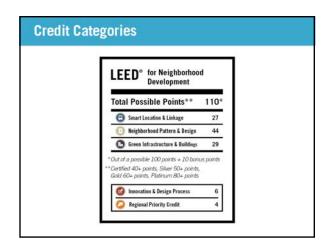


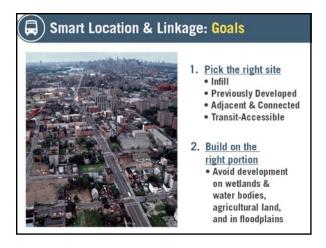
Approaches to Rating Sustainability and Assessing Performance

LEED FOR NEIGHBORHOOD DEVELOPMENT







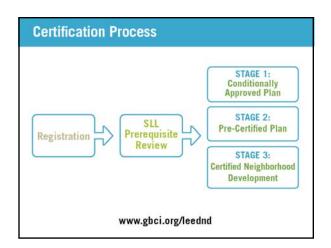




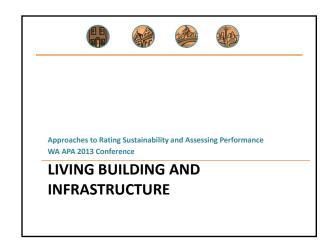




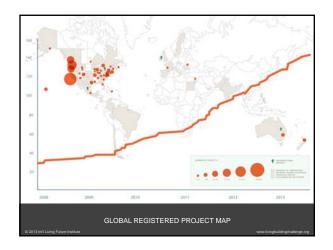






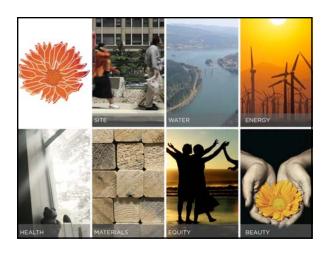






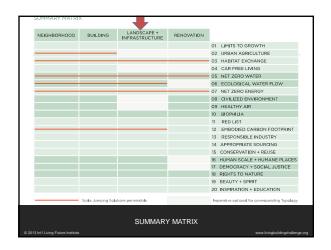
















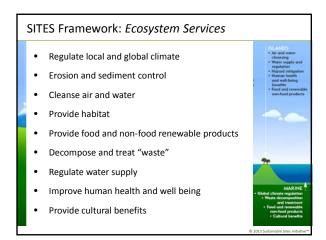




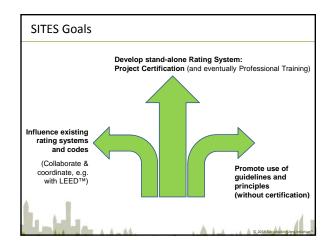
Participants/Coordinating Committee

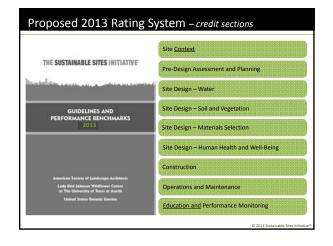
American Society of Civil Engineers/Environmental and Water Resources Institute (rating system: ENVISION)

American Nursery and Landscape Association
EPA / Office of Smart Growth
General Services Administration
National Association of County and City Health Officials
National Park Service
National Recreation and Park Association
Office of Federal Environmental Executive/Council on
Environmental Quality
Professional Landcare Network (PLANET)
US Air Force
US Green Building Council (rating system: LEED)





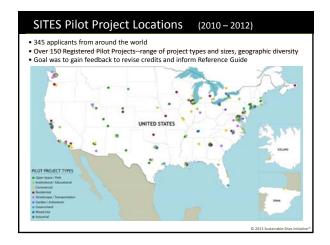


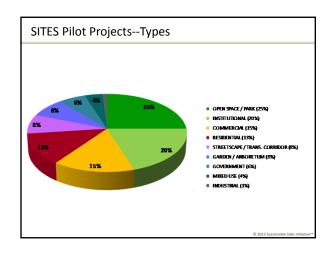


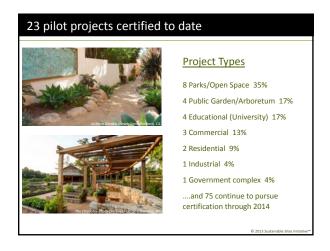
What it doesn't address

- · Embodied carbon in materials
- Indirectly supports urban agriculture
- Economics

.....provides an option/incentive to create actual monitoring plan





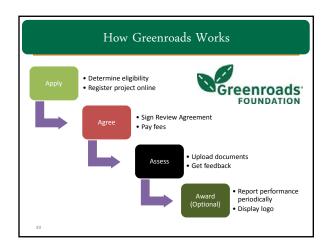










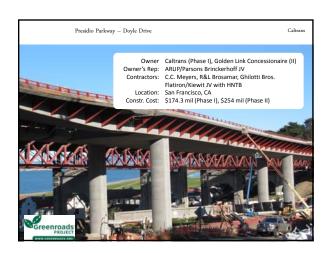






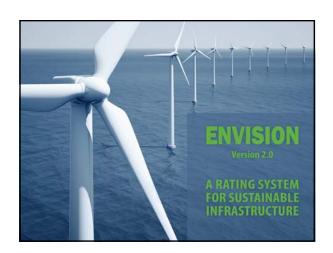














Why Was $Envision^{TM}$ Developed?

- Current rating systems for infrastructure in the U.S. are sector specific
- No U.S. system covers all aspects of infrastructure
- Envision is designed to fill the gap

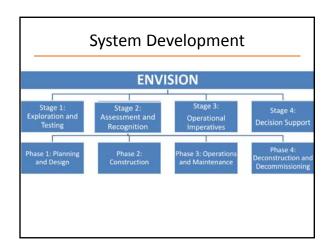


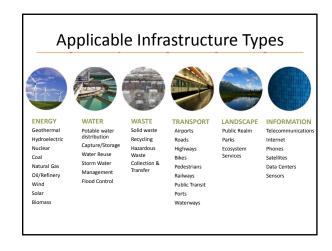
Maintenance Fail!

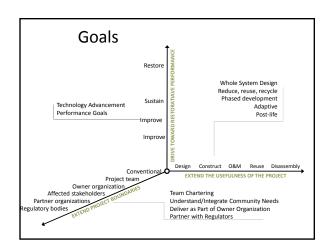
ASCE Report Card on America's Infrastructure

- Ranked 23rd worldwide
- 15 categories
- Overall grade of D
- \$2.2 trillion needed

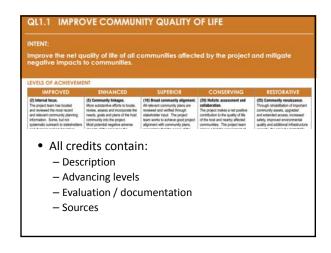


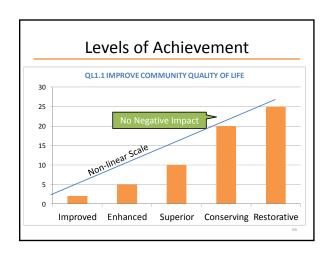












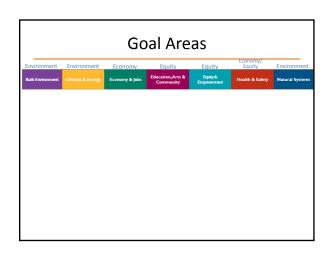


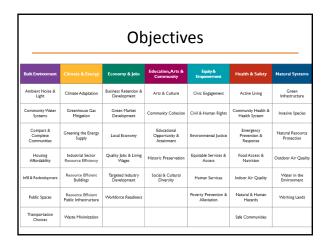




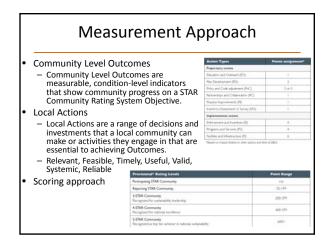


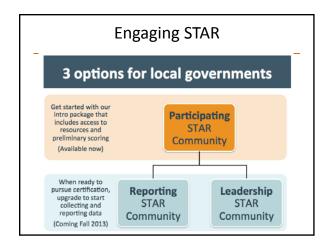


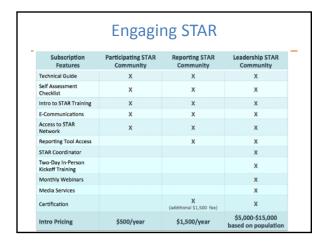












Engaging STAR

- Opportunity to participate at the Leadership level by applying before October 15, including potential financial assistance through the Funders Network for Smart Growth and Livable Communities.
- http://www.starcommunities.org/get-started/leadership-star-community-program

Coordinate Work Across Jurisdictions + Sharing Successes

Seattle and King County, WA are using the STAR Community Rating System to align performance metrics between the two jurisdictions and to identify ways to streamline sustainability work and increase results.







Exercise

- Break into 4 groups one for each scenario
- Spend 15-20 minutes discussing how best to use these tools in that scenario
- Panelists roaming to answer questions
- 2 minutes for each team to report out

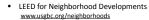


you're too much.
You're too much of a good thing,
You're too much of a good thing,
too much
Much too, much too,
much too, much too,
much too, much too,
much too much,
You're too much of a
good thing.



Thank You! More Info







Living Building Challenge http://living-future.org/lbc/about



 Sustainable Sites Initiative www.sustainablesites.org



Greenroads www.greenroads.org



Envision <u>www.sustainableinfrastructure.org</u>



STAR Community Index www.starcommunities.org