

## **What Leaders Are Saying About *Infrastructure Crisis, Sustainable Solutions***

### **Andrea Durbin, Executive Director, Oregon Environmental Council:**

"Our energy, transportation, water, and waste systems are in urgent need of renewal and innovation. In a world with too much carbon in the air and serious constraints on the public purse, *Infrastructure Crisis, Sustainable Solutions* provides a map to smarter infrastructure investment that is not only more affordable, but can simultaneously fuel Oregon's economic vitality, improve equity and our quality of life, and deliver big gains for our priceless environment."

### **Elizabeth Kelly, P.E., Vice President and Senior Consultant, CH2M HILL (previously with Seattle Public Utilities)**

*Infrastructure Crisis, Sustainable Solutions* is spot on. Public and private sectors need to work together for a step change in how we manage, operate, and rehabilitate our infrastructure, and even in how we define our role as infrastructure managers. And we need a new and different approach to engineering solutions. In years past engineers were recognized for building the biggest dam, the biggest bridge, or the biggest tunnel. We need to turn that thinking around and recognize solutions that address multiple community needs while collaborating across traditional boundaries, making use of emerging technologies, and optimizing systems.

### **Mike McCarty, CEO, Association of Washington Cities**

"Cities are on the forefront of managing critical infrastructure systems and they face the significant challenges of aging systems, a growing population, and significant fiscal constraints. New ways of meeting our infrastructure needs will be needed. Forward thinking like that captured in *Infrastructure Crisis, Sustainable Solutions* is essential to inventing the future of infrastructure."

### **Lisa Wellman, Board Member, Washington Business Alliance, Washington Public Works Board:**

"Reimagining infrastructure to align with 21st century realities addresses the most fundamental drivers of economic development in an intelligent, comprehensive and meaningful way. As with WaBA's PLAN Washington, I believe, as successful businesses do, that you set your objectives, make a plan and work the plan to achieve positive outcomes. *Infrastructure Crisis, Sustainable Solutions* is a great start."

### **Denis Hayes, President and CEO, The Bullitt Foundation**

"Interested in getting 95 percent of your energy from renewables, reducing water use by 60 percent, transforming sterile neighborhoods into walkable urban villages, and keeping 90 percent of everything out of landfills? This report imbues infrastructure (an appallingly boring word) with a bold, new, powerful meaning, and offers an exciting vision of how to build a resilient, sustainable future."

### **Jules Bailey, County Commissioner, Multnomah County:**

"We need new models for affordable and sustainable infrastructure, and *Infrastructure Crisis, Sustainable Solutions* gives us a roadmap to get there. It's a clear, well-researched blueprint for our 21st century challenges."

**Chris Taylor, Executive Director, West Coast Infrastructure Exchange**

"This timely report is an important step forward in making the case that we have the tools to develop and finance more sustainable infrastructure solutions that will both save taxpayers money and protect our quality of life. It highlights successful approaches that need to be adopted more widely - and we hope they will be, because our economy and our environment can't afford to wait any longer."

**Nan McKay, former Chair, Puget Sound Action Team:**

"We have a generational imperative to reimagine our infrastructure systems. We've got to break through institutional silos and find innovative solutions that connect systems for the greatest community-wide benefit for the long-term. *Infrastructure Crisis, Sustainable Solutions* offers both a powerful and timely vision and practical approaches to these challenges. I hope it jumpstarts thoughtful discussion and bold action throughout the Pacific Northwest...and beyond."

**Jesse Berst, Chairman of the Smart Cities Council:**

"We can't fix our planet unless we fix our cities and our infrastructure. That's why the work of the Center for Sustainable Infrastructure is so important. Over the next 20 years, we have no choice but to upgrade or replace much of our current infrastructure, because it's beyond its design life. If we do it correctly -- if we upgrade to smart infrastructure -- these changes will be the foundation for our future prosperity. If we do it wrong -- if we simply install 20th-century gear -- we'll be trapped in the past, since it may be another 50 years before it is due for another renewal."

**Michael Armstrong, Senior Sustainability Manager, City of Portland Bureau of Planning and Sustainability**

"At a time when our infrastructure challenges are more daunting than ever, *Infrastructure Crisis, Sustainable Solutions* charts a path to more efficient and affordable investments that respond to the needs of our residents and businesses. Rhys Roth underscores how interconnected our infrastructure decisions are and the urgency to make today's decisions serve us well in the long run."

**Angus Duncan, President, Bonneville Environmental Foundation and Chair, Oregon Global Warming Commission**

"Americans used to be builders: of canals, dams, cities, roads and railroads. Our energies seemed boundless, if not always directed with perfect foresight. And now we are increasingly a nation of consumers (technology is an important exception, but even tech gets hijacked for our amusement when it should laser-focus on problem-solving). *Infrastructure Crisis, Sustainable Solutions* is a timely alarm bell for our region, packaged with useful remedies that should be firmly atop the region's priority list."

**Carlotta Collette, Metro Councilor, Metro Regional Government (Oregon)**

"Our region is anticipating significant growth in coming decades, and how well we accommodate that growth depends a lot on how careful we are in making critical infrastructure investments. It makes little sense to just patch up our aging infrastructure when smart new options are available. This report describes proven technologies that are less expensive and far more efficient at providing water, energy, transportation, communications, and more. The 21st Century approaches offered in this report provide exciting opportunities to create jobs, foster new communities and make our existing communities more resilient in the face of climate change and other challenges."

**Marc Daudon, Founder and Senior Principal, Cascadia Consulting Group**

*Infrastructure Crisis, Sustainable Solutions* is extraordinarily well written, researched, and produced. Crucially, it presents the what, how, and why of applying sustainability principles to the design and development of the physical systems on which the vibrancy of our economy depends. As we enter an age of increased urbanization, resource scarcity, and climate change, Rhys Roth charts a path forward in this report to guide regional decision makers as they tackle the challenges, and embrace the opportunities, of investing upwards of \$1 trillion in new and rebuilt infrastructure over the next 15 years. Thank you Rhys!

**Christie True, Director, King County (Wash.) Department of Natural Resources and Parks:**

"Whether it's a wastewater treatment plant, a solid waste transfer station or a regional trail network connected to transportation centers, building sustainable infrastructure isn't a luxury – it's a necessity. It's the foundation upon which we can build communities that are better for people, better for the planet and better for our bottom line."

**Fletcher Beaudoin, Assistant Director, PSU Institute for Sustainable Solutions**

"Portland State University's Institute for Sustainable Solutions is deeply engaged on issues of urban sustainability and collaborates with partners across the region to improve the livability and resilience of our cities. We are pleased to see *Infrastructure Crisis, Sustainable Solutions* highlight crucial infrastructure challenges and propose innovative approaches to overcome those challenges."