

Green Grid Gateway @ North Coast Oregon

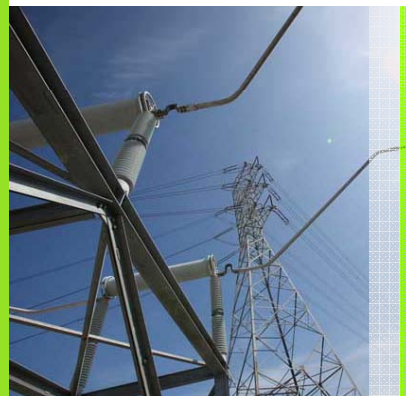
America's First Smart Grid R&D Testing Business Campus

7/15/2010 Presentation to:
Clatsop County Commissioners
By Tom Barquinero, Green Grid LLC



The Green Grid Gateway Concept

- An R&D Testing Microgrid Substation
- Utility Data Control Centers in Campus Bldgs.
- AMI Commercial Buildings & Residences
- Testing Independent of Utility Involvement



The Opportunity

“ U.S. electricity demand is forecast to triple by 2050 and generation will not keep pace with demand. Outages cost the U.S. economy \$100 billion per year. Efficiencies are the new name-of-the-game and outages will drop significantly as Smart Grid technology is deployed. ”

XCEL Energy
Smart Grid City



The Problem

- Grid Access Controlled by Utilities
- SG Companies Can't Find Utility Partners
- Culture Clash between Private Sector & Utilities
- What Happens When Stimulus Funding Ends?



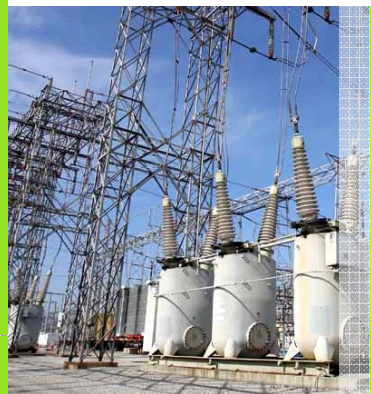
The Solution

- Accelerated Private Sector SG R&D Testing
- A Business Park for "Cleantech Cluster" Collaboration
- A Permanent Home for the Battelle SG Demo Project
- Green Grid Gateway @ North Coast Oregon



Location-Agnostic Planning

- RW Beck/SAIC
- Federal EDA Grant
- Major Corps w/multiple Supply Chain Partners
- Major VC Firms w/large SG Portfolios
- Real Estate-centric Private Equity Firms



Location-Specific Planning

Clatsop County & North Coast Business Park

Pacific Corp & Energy Trust of Oregon

OCZMA, Salem Support & Addt'l Grant Apps

Microsoft (Sea-Tac to Astoria Airport)

Portland State University & GGG@NCO



Next Step – P1 Funding

Pursue Feasibility \$

Master Site Planning

R&D Testing Infrastructure Plan

Federal & State Grant Applications

SG R&D and Cleantech Cluster Validation



Green Grid Gateway @ North Coast Oregon

America's First Smart Grid R&D Testing Business Campus

Tom Barquinero
Green Grid LLC
541.280.5501
Tom@TEEM-OR.com

