



# Strategic Energy Management

Department of County Assets  
Office of Sustainability

# Ongoing Commitment // Stewards of Resources

## Recent Achievements

### East County Courthouse

- Architecture 2030
- LEED Gold

### Renewable Energy Sites

- East County Courthouse
- Juvenile Justice Complex
- John B. Yeon Complex

### Eco-Roof Sites

- Central Library
- East County Courthouse
- Mead Building
- Multnomah Building

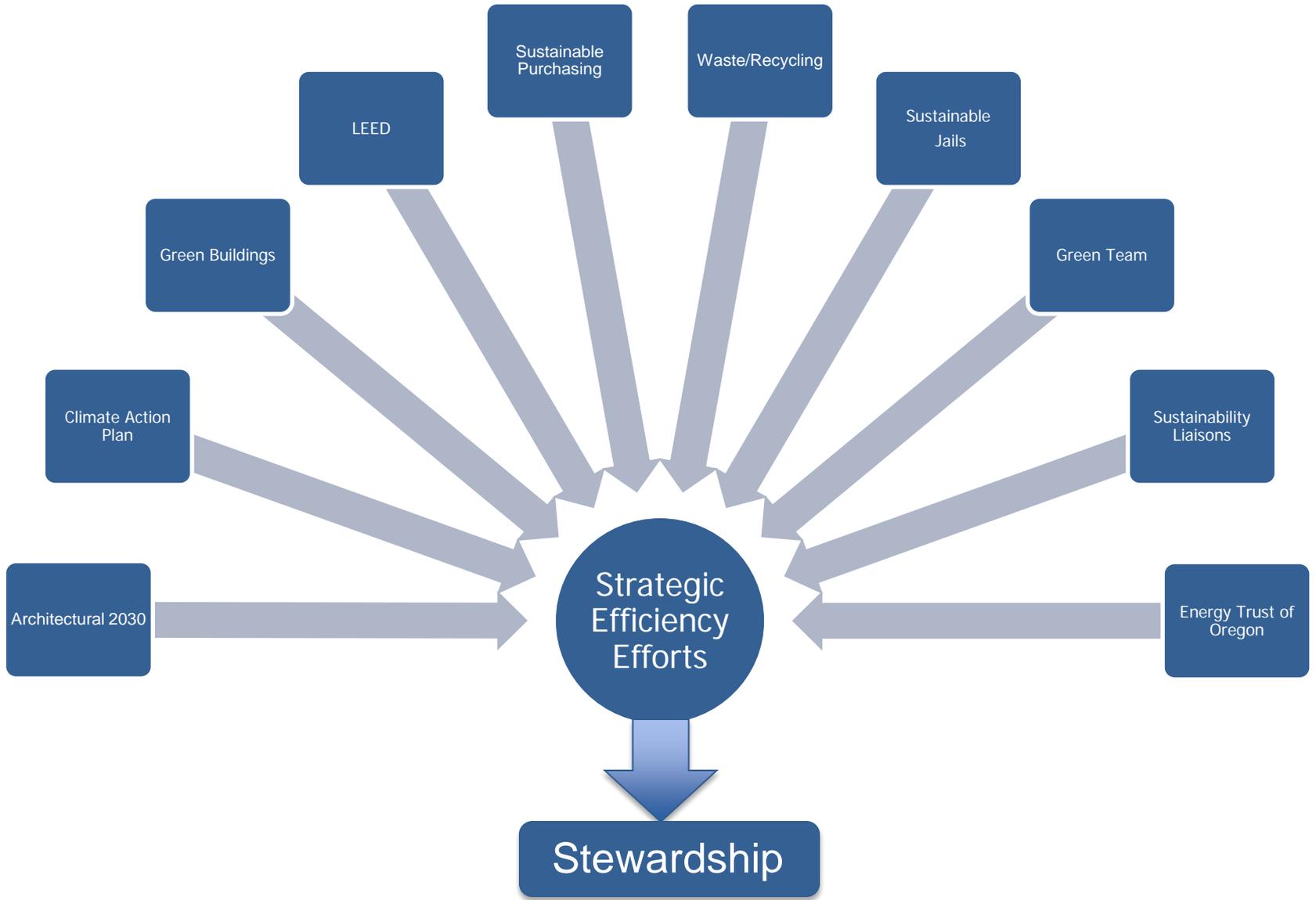
### Building Automation Integration

### Aqua Recycle Laundry Equipment





# Strategic Energy Management // Coordinating Resources





# Strategic Energy Management // Background



## Energy Trust of Oregon Extends Invitation

- A means for initiating organizational change to achieve industry best practices
- A mechanism for setting a strategic direction within dynamic organizations
  - Energy Related Business Practices
  - Organizational change in perspective and ownership
  - Expectations for continuous improvement over time
- Accomplishes goals we already had in place



## Energy Trust of Oregon Extends Resources

- **Financial incentives** for performance that leads to measurable energy savings
- Research supporting a cohesive approach to energy management
- Emphasis on capturing opportunities based on Organizational Behavior
- Guidance for executives to implement industry best practices
- Training for technical staff to identify and fulfill directives





# Strategic Energy Management // Organizational Participation

## Chair Madrigal is the Executive Sponsor

- Support from all levels of the organization is critical to the success of the program
- Emphasis on teamwork across departments
- Energy Champions check in with the Executive Sponsor quarterly

## Energy Champions

- Eric Winn, Department of County Assets
- John Wasiutynski, Office of Sustainability

## Work Assignments

- Building Applications: Facilities and Property Management
- Computer Applications: Information Technology
- Policy Applications: Office of Sustainability

## Program Facilitation

- Energy Trust of Oregon: Skip Schick, Commercial Technical Service Contractor



# Energy Trust of Oregon // Background



Began as an independent nonprofit organization in 2002

- Serves Oregon customers of PGE, Pacific Power, NW Natural and Cascade Natural Gas
- Provides energy efficiency and renewable energy solutions to help keep energy costs as low as possible, strengthen the economy and build a sustainable energy future

Through 2012 the Energy Trust has ...

- Supported energy-efficiency and renewable energy improvements at 508,000 locations around the State.
- Participants will save approximately \$3 billion on their utility bills over the lifetime of the upgrades they have made
- They have saved/generated 478 avg. MWs and 28.2 million annual Therms – enough electricity to power every home in Portland and enough natural gas to heat every home in Bend for 18 months



# Strategic Energy Management // Why Participate?

## Buildings may be better than ever

- LEED and Energy Star certified
- Energy retrofits completed
- Green and sustainability programs

## Yet...

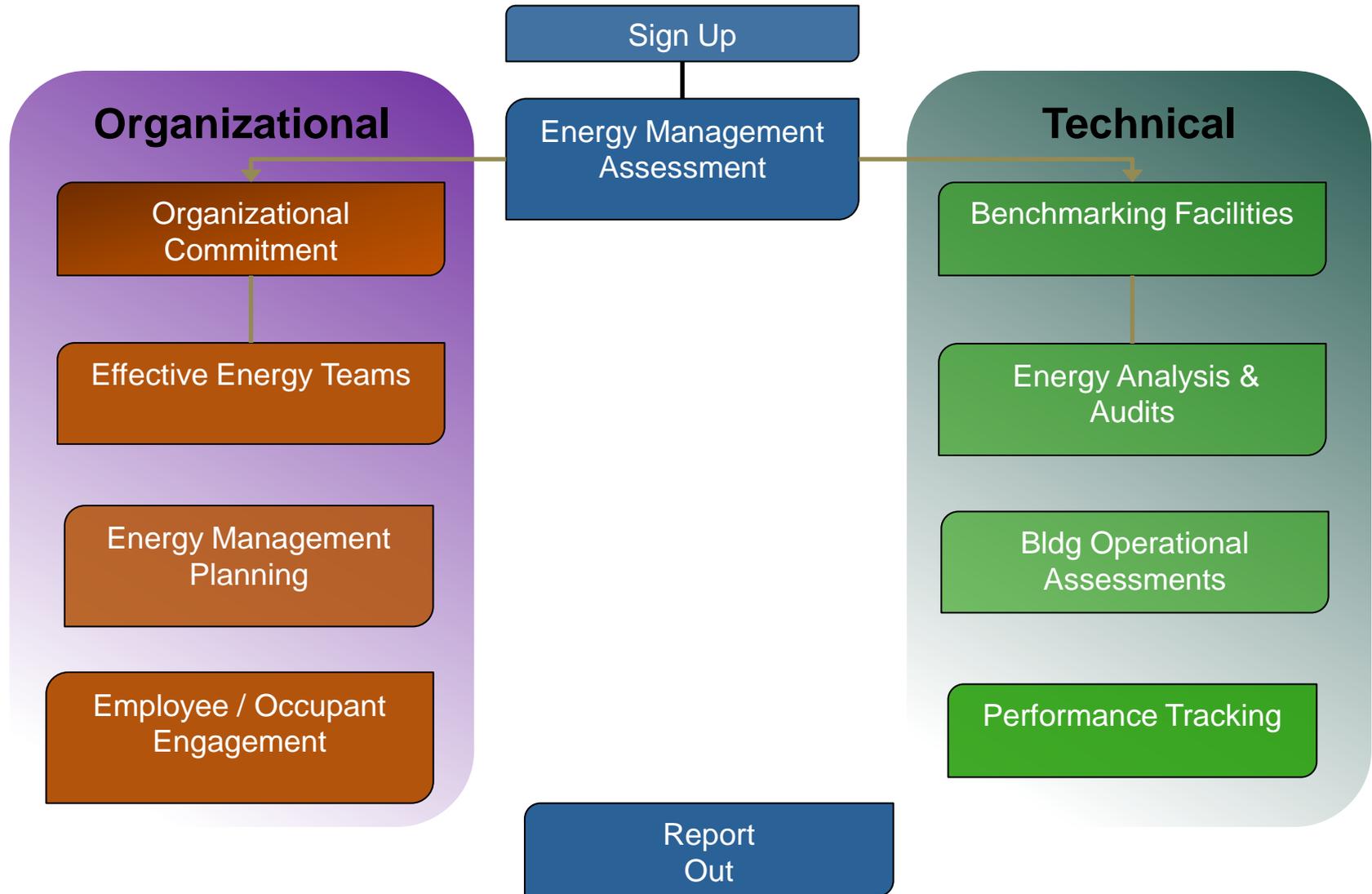
- Significant energy savings potential remains
- Market leaders are looking to go beyond projects
- Address full range of energy related business practices

## SEM Can Help

- Represents the next step in advancing energy management
- Addresses organizational and technical challenges
- Creates path for sustained and continuous improvement



# Strategic Energy Management // Delivery Overview



# Strategic Energy Management // Desired Outcomes



- Organization-wide commitment to energy management
- A roadmap for what to do and how to do it resulting from a Strategic Energy Management Plan
- Potential for 10% or more Energy Savings
- A focus for departments and employees when working toward County objectives
- Cohesive teamwork across the organization addressing our behavior towards energy use
- Saving money so that more is available for services



# Strategic Energy Management // Questions

