

# Smart Grid – Smart River

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These are the views of Rich Riazzi and may not be representative of the policies of Chelan County PUD

# Smart-Grid

- Has the industry created a common vision of Smart Grid?
- What questions should be asked before we create a Smart-Grid vision



# Three Questions

- Have our policy makers created the right environment for the development of sustainable energy and environmental programs?
- Is the prescriptive approach the right approach?
- Is there a better approach?



# The Prescriptive Approach

- Renewable standards
- Conservation standards/goals
- Greenhouse gas reduction goals
- Super-Grid standards
- Mandated vehicle emission standards
- Plug in electric hybrid goals
- Alternate fuel standards



# Unintended Consequences

- One size fits all
- Impossible to optimize portfolio of programs
- Creates market anomalies
- Potentially creates negative environmental impact
- Dilutes smart-grid value potential



# Is a Course Correction Needed

- Should we consider an outcome based approach
- What is the goal?
  - Energy independence
  - Reduced greenhouse gas emissions



# Evaluation Framework

- Triple bottom-line approach
  - Economic
  - Environmental
  - Social

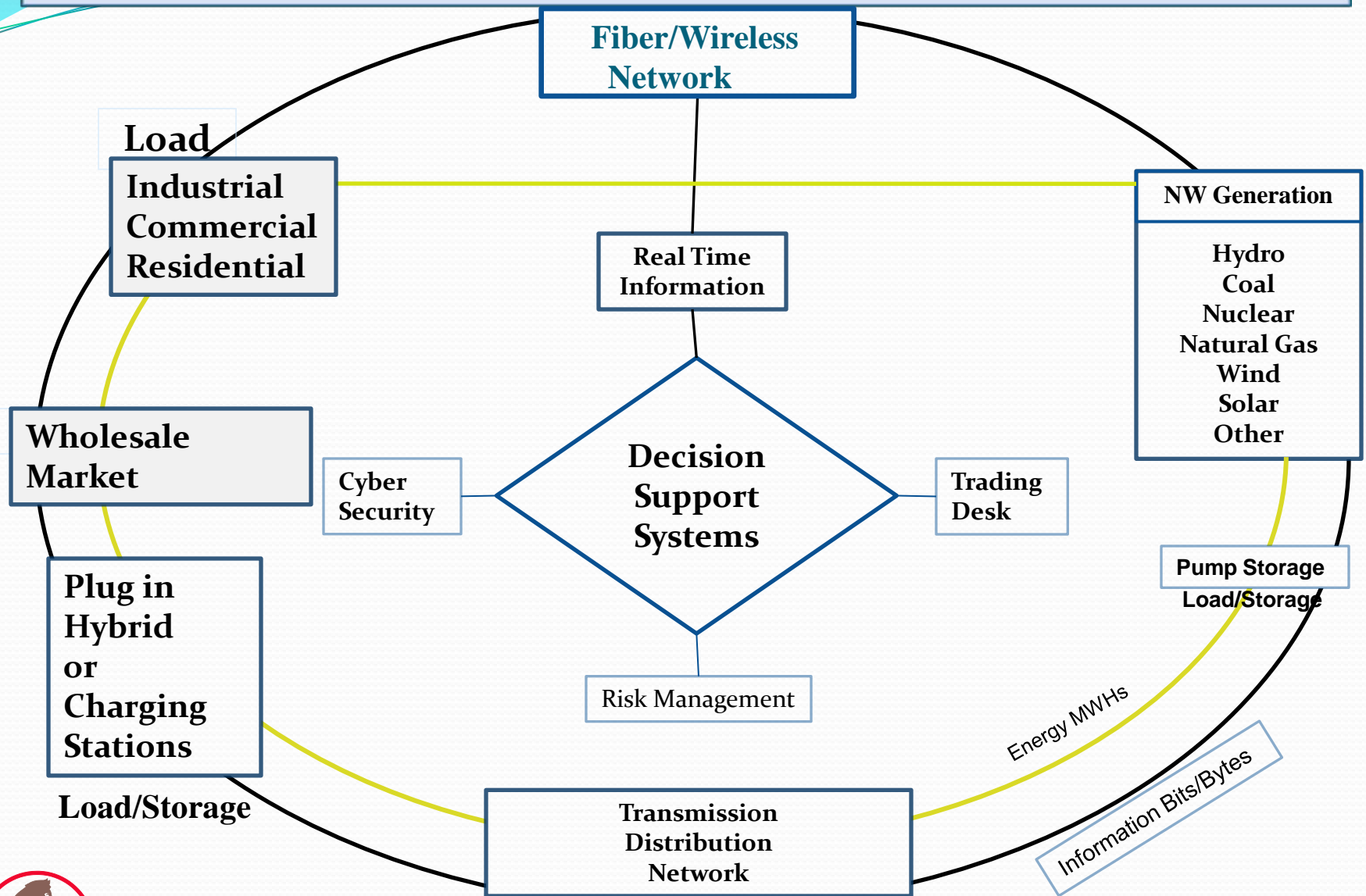


# Role of Smart Grid

- Optimize current portfolio
- Inform policy makers with real time data



# Conceptual Elements of a Smart Grid



# Discussion

