

Proposal for the
Citizens Advisory Board to Initiate

Scenario Planning

- Bobby Ann Lee, Summer 2008 -

Presentation Overview

1. Introduction to Scenario Planning
2. Scenario Planning Example
3. CAB: Potential Future Uses of the Site

Introduction

- Developed in 1960s by Herbert Kahn of the RAND Corporation
- Implemented by business, government and non-profit organizations where future uncertainty is high
 - Shell Oil
 - United Nations
 - State Agencies

What is Scenario Planning?

- Scenarios are carefully crafted stories about the future embodying a wide variety of ideas and integrating them in a way that is communicable and useful.
- Scenarios help us link the uncertainties we hold about the future to the decisions we must make today.

- Royal Dutch Shell

Purpose

- Understanding the nature and impact of the most uncertain and important driving forces affecting the future.
- Encourages knowledge exchange and development of mutual deeper understanding of central issues important to the future

Scenario Planning: A Systemized Process

1. **Identify the focal issue**
2. **Assessment of the various influences (internal, external and links)**
3. **Identification of alternatives based on various influences**
4. Building scenario narratives tracing history to possible futures (narrow down to 3-4 scenarios)
5. Testing scenarios using input from various stakeholders
6. Policy screening, or how do policies differ under the different scenarios



1. Identify the focal issue:

- Over the past 50 years, humans have changed ecosystems more rapidly and extensively than in any comparable period of time in human history
- These problems, unless addressed, will substantially diminish the benefits that future generations obtain from ecosystems

2. Assessment of the various influences

- Reverse degradation of ecosystems while meeting increasing demands for their services
- Changes in policies, institutions, and practices that are not currently under way.
- Options exist to enhance ecosystem services in ways that reduce negative trade-offs or that provide positive synergies with other services.



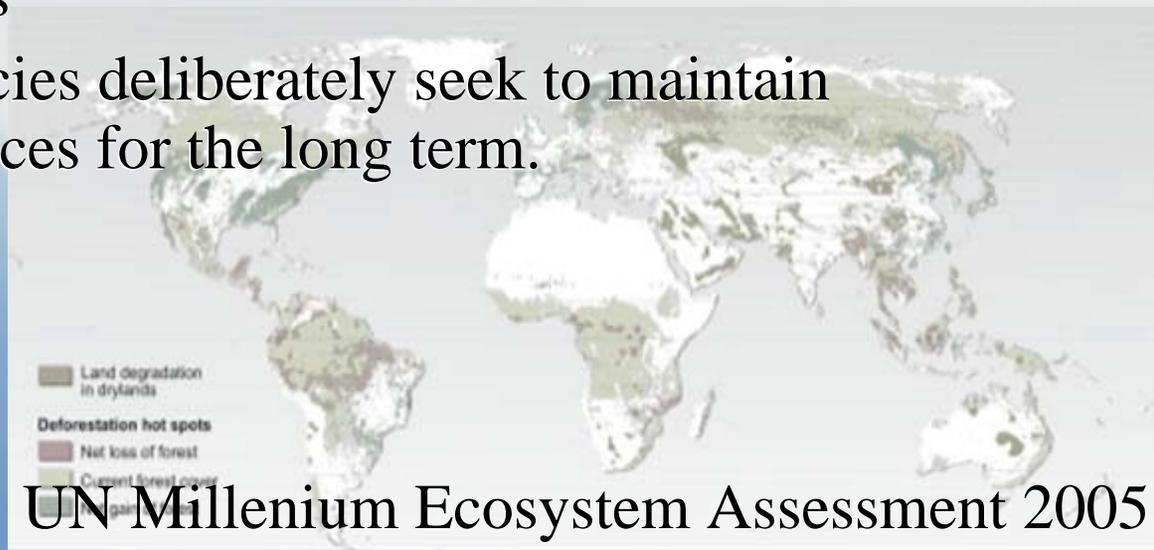
3. Identification of alternatives based on various influences

Global development paths:

- global
- regional

Ecosystem management:

- reactive - most problems are addressed only after they become obvious
- proactive - policies deliberately seek to maintain ecosystem services for the long term.



Global Development
Regional Global

Ecosystem Management
Reactive
Proactive

<p><i>Order from Strength</i></p> <ul style="list-style-type: none">-security priority-regional markets	<p><i>Global Orchestration</i></p> <ul style="list-style-type: none">-economic liberalization- low population
<p><i>Adapting Mosaic</i></p> <ul style="list-style-type: none">-local watershed scale-slow economic growth	<p><i>Techno-Garden</i></p> <ul style="list-style-type: none">-highly engineered-high economic growth

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CAB Scenario Planning

CAB members recognize that decisions made today will impact the future use of the site. Conversely, future site uses should influence current decision-making.

1. Identify the focal issue:

Possible future uses for the Paducah site



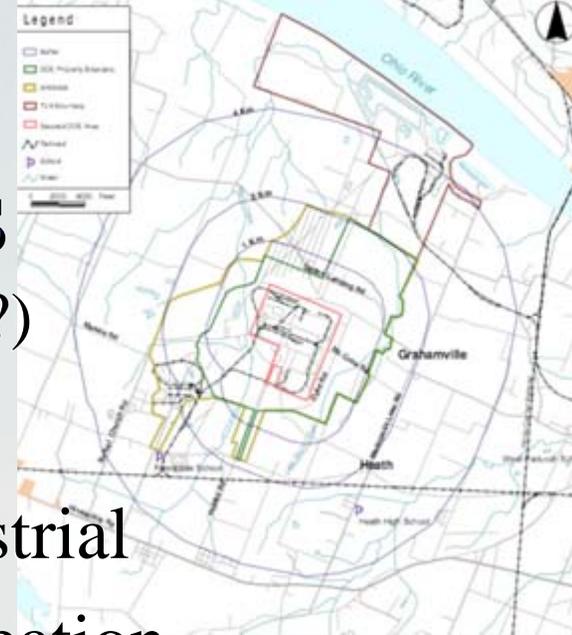
Scenario Planning Objectives

- I. Describe potential future site uses (up to four scenario narrations)
- I. Identify viable stakeholders and incorporate their input (present scenarios to the public)
- II. Determine relationships between clean-up activities and different scenarios (ongoing discussions with Department of Energy and stakeholders)



Future Site Uses

(Starting point for discussion?)



↑ Industrial
↓ Recreation

↑ Industrial
↑ Recreation

↓ Industrial
↓ Recreation

↓ Industrial
↑ Recreation

Presentation Conclusion

- Both qualitative and quantitative inputs are embraced, recognizing that **multiple scenarios are possible in an uncertain future, and that synergy may exist when various stakeholders work together.**
- The CAB is in a unique position to initiate the scenario planning process for the Paducah Gaseous Diffusion Plant (PGDP) in our community.