CUMULATIVE VISIBILITY AND INFRASTRUCTURE SITING

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“Those individuals who believed they would be able to see the project from their homes or daily travel routines each opposed the project by a 4:1 margin as compared to about half of those who did not expect to see it from their homes or routines”
Where to best locate activity/infrastructure?

Tradeoffs between visibility and uses

National Ocean Council

April 2013
POLICY QUESTIONS

For an infrastructure siting decision

What are the impacts to viewers?
- Who is impacted?
- Where are the impacts?
- Quantitative/qualitative metrics

Where to best locate activities/infrastructure for visibility?
- Tradeoffs between visibility and other services
POLICY QUESTIONS
For an infrastructure siting decision

What are the impacts to viewers?
- Who is impacted?
- Where are the impacts?
- Quantitative/qualitative metrics

Where to best locate activities/infrastructure for visibility?
- Tradeoffs between visibility and other services

After sitting decision

Before sitting decision
POLICY QUESTIONS

For an infrastructure siting decision

What are the impacts to viewers?
- Who is impacted?
- Where are the impacts?
- Quantitative/qualitative metrics

Source: edr companies
Where to best locate activities/infrastructure?
- Tradeoffs between visibility and other services
CASE STUDY
BLOCK ISLAND, RI
DATA
BLOCK ISLAND, RI

B.I. Households
E911 data

Ferry Route

State Waters

Charter Fishing

Recreation around Block Island (flickr)
536,900 overnight visitors (Global Insight, 2010)
OFFSHORE WIND ENERGY
SITING DECISIONS

Wind Farm
80 Turbines
3.6 MW Turbines
7% Discount Rate
3m/60m Min/Max Depth
20 Year Project Horizon
**Wind Farm**
- 6 5MW Turbines
- 20 Years
- 12.65% WACC

**InVEST Wind Energy Model**

**Cumulative Visibility**