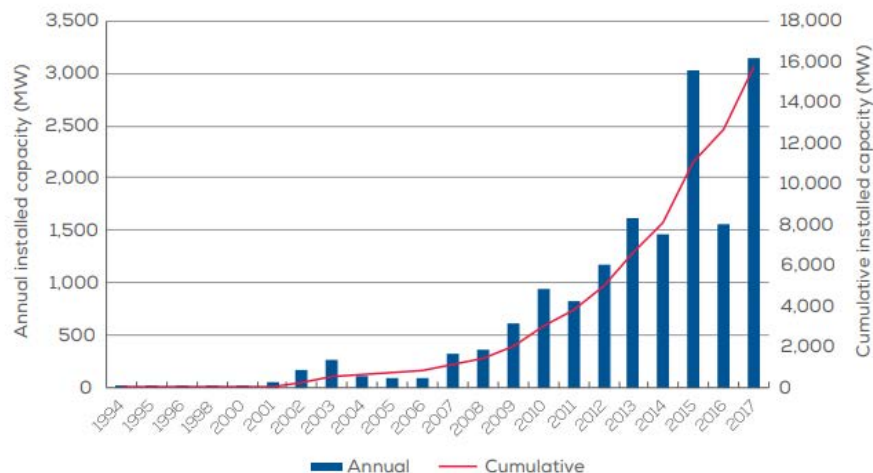


Policy & Decision-Making for Marine Renewables: The Importance of Local leadership & Knowledge Co-Production



Marisa McNatt, Ph.D.
Environmental Studies, policy focus

Background – Offshore Wind in E.U. vs. U.S.



Installed offshore wind capacity in the E.U.

Fishermen's Energy offshore windmill plan fails again

Austin Company Drops Offshore Wind Farm Project

Bluewater Failure Highlights US Offshore Wind Problems

After 16 Years, Hopes for Cape Cod Wind Farm Float Away

Research Question

How do state & municipal factors affect outcomes
for proposed U.S. offshore wind farms?

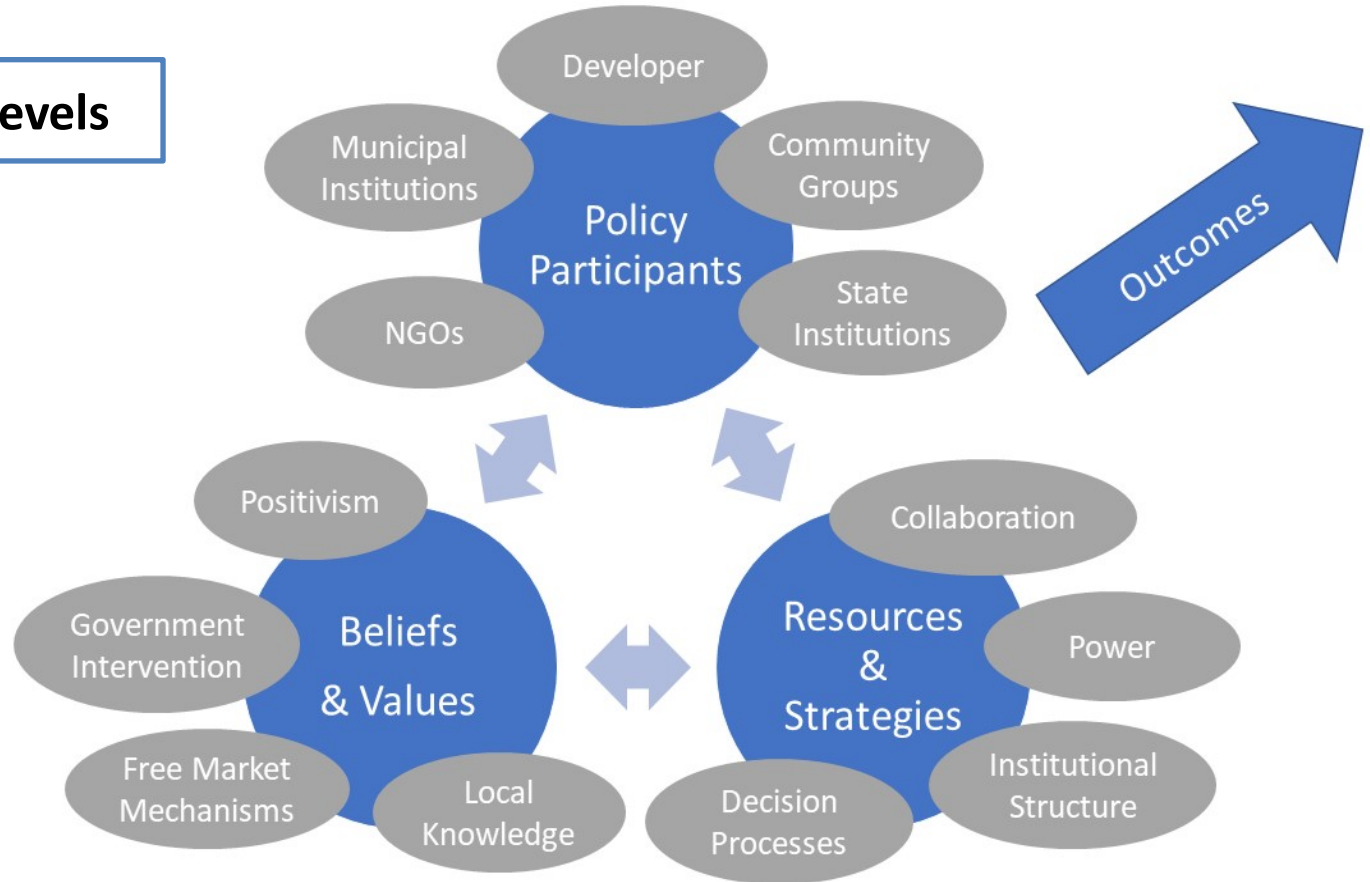
Framework

- **Literature Review**
 - Focus on one aspect of the issue at a time
- **Policy Sciences Framework**
 - Holistic
 - Discovery
 - Organizational tool

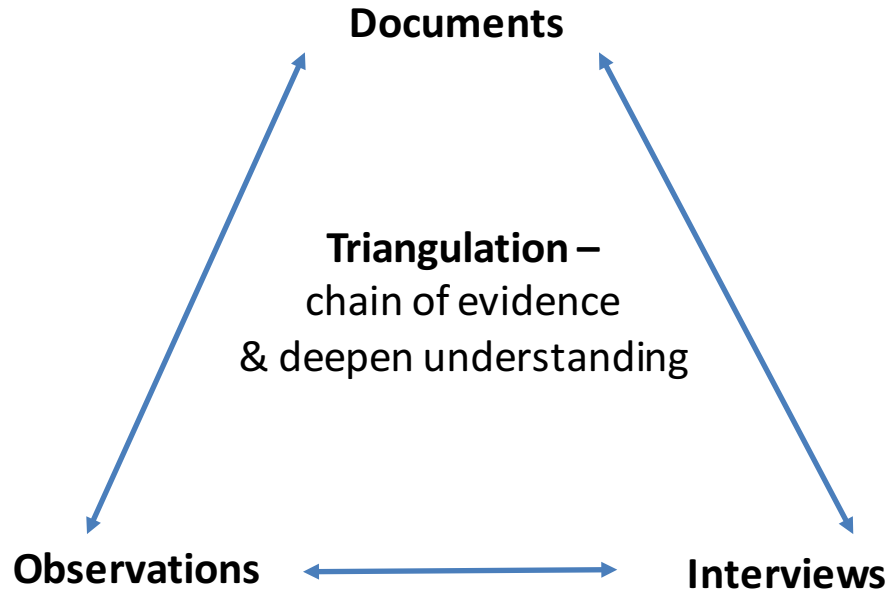


Framework: Mapping Variables

State and Local Levels



Methods: Data Collection



Case Studies

Block Island Wind Farm (BIWF)



Block Island, Rhode Island

Fishermen's Energy Atlantic City Wind Farm (FACW)

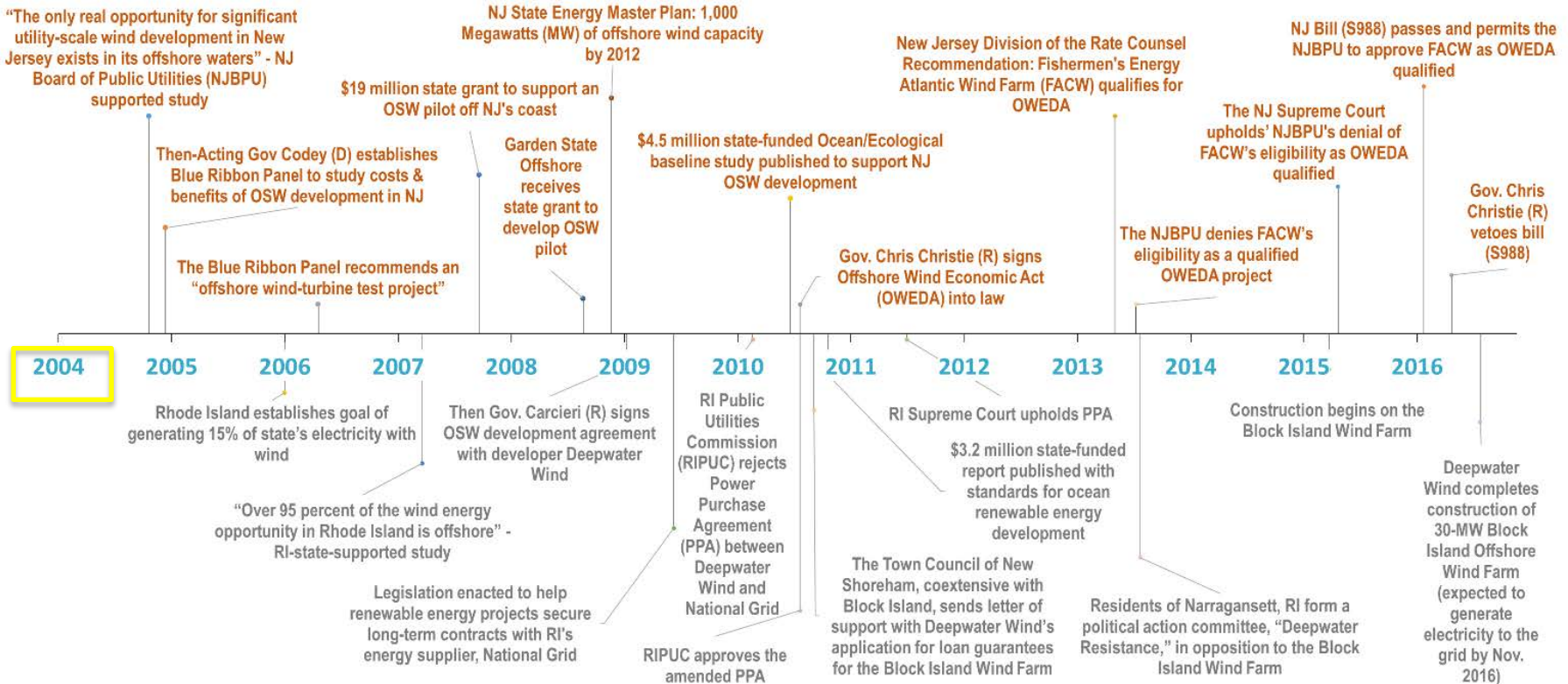


Atlantic City, New Jersey

Project Parameters

Block Island Wind Farm	Fishermen's Energy Atlantic City Wind Farm
Year proposed: 2008	Year proposed: 2008
Size: 5-turbines, 30-MW	Size: 6-turbines, 24-MW
Location: ~ 3 mi	Location: ~ 3 mi
Status: Operational since Dec. 2016	Status: Stopped efforts, spring 2017

NJ & RI: Timeline of Offshore Wind Policy & Planning



Rhode Island: Decision Maker/Institution Resources & Strategies

2008 - 2010

Ocean Special Area Management Plan Staff

- Expert staff
- Timely
- Knowledge co-production

2009 - 2016

Rhode Island General Assembly

- Passed detailed & timely legislation

2008 - 2010

Former Gov. Donald Carcieri

- Policy w/ market pathway
- Assessed policy implementation

2009 - 2016

New Shoreham Town Council

- Streamlined permitting
- Knowledge gathering

New Jersey: Decision Maker/Institution Resources & Strategies

2004

Gov. Codey

- Study the costs & benefits of offshore wind development

2004 – 2006

Blue Ribbon Panel

- Policy to study offshore wind impacts instead of strategies

2008 – 2016

Board of Public Utilities

- Decision making & policy emphasized developer self-sufficiency

2016

New Jersey Legislature

- Strong supporters of FACW
- Delay in action

Strong & Under-Assessed Drivers: U.S. Offshore Wind Energy Development at the State & Local Levels

- Policy that includes clear planning & economic support mechanisms.
- Advocating for project economic self-sufficiency & developer responsibility conflicts with high, up-front capital costs and lengthy siting and permitting process.
- A state institution(s) with appropriate expertise, resources, and community trust.
- Early-on knowledge co-production between scientists, local experts, & decision makers.
- The developer's resources and strategies, including early-on collaboration with community groups, state, and local decision-makers.

Thank you!

Questions?



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