Inter-state Transfer of Energy Efficiency Programs in the U.S.

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Research Background

- State EERE administrators: Efficiency Vermont, Efficiency Maine, Maryland Clean Energy Center (MCEC), Massachusetts Clean Energy Center (MassCEC), The New York State Energy Research and Development Authority (NYSERDA), The North Carolina Advanced Energy Corporation, Energy Trust of Oregon, The Connecticut Energy Efficiency Fund (CEEF)-Energize Connecticut, Delaware Sustainable Energy Utility (DE SEU)-Energize Delaware.

- Innovative EERE policy/Legislation: Property Assessed Clean Energy financing legislation (PACE) , State Energy Bank legislation (State Green Bank).

Research Goals

- Identifying determinants that influence a state's willingness to adopt innovative energy efficiency program and legislation.

- Examining innovative state-level energy efficiency and renewable energy policy diffusion from the perspective of institutional and regulatory structure.

Methodology

- ***Event History Analysis***

Internal determinants:

Political (Election, State EERE administrators),
Economic (State Fiscal Health, Restructuring),
Social Demographic (Political Ideology, Population).

External determinants:

Regional Diffusion from Neighboring States.

	PACE	State Green Bank
Regional Diffusion	0.131	0.379
	(0.202)	(1.057)
State EERE Admin	1.071***	4.219***
	(0.453)	(1.611)
Election	-0.136	-2.162
	(0.096)	(1.837)
Restructuring	-0.299	-3.278***
	(0.533)	(1.190)
Time	0.454***	4.143*
	(0.122)	(2.299)
State Fiscal Health	-0.639	-7.347
	(0.578)	(6.414)
Population	0.577*	0.849*
	(0.297)	(0.459)
Political Ideology	0.016*	0.043
	(0.009)	(0.033)
Obs,	750	750
pR^2	0.39	0.70
Wald X^2	39.46	16.47

Note: *$p < 0.1$; **$p < 0.05$; ***$p < 0.01$; Robust standard errors are in parentheses, clustered by state.