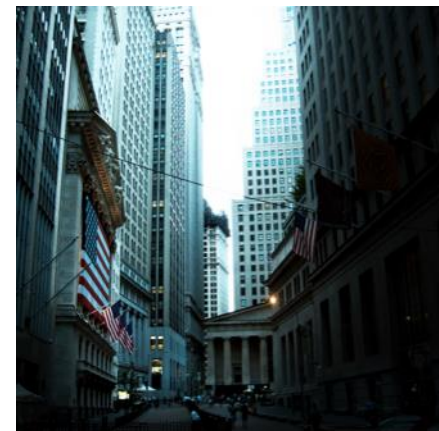
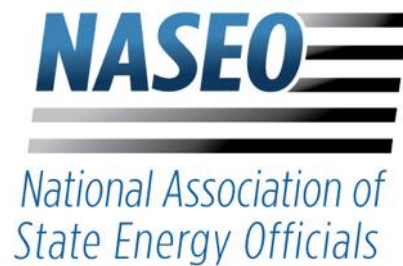




# State Energy Policy and Program Outlook: *“Disruption and Opportunity”*



David Terry, Executive Director, NASEO

## + About *NASEO*

- Formed by the states 1986, NASEO's members include the 56 Governor-designated State Energy Directors and Offices from each state and territory, as well as private sector Affiliate Members
- Advocates on behalf of the States with Congress, Administration
- Serves as a proactive resource on innovative state energy policies in order to support State Energy Officials in advising their governors and legislatures
- Committees: Government Affairs; Buildings; Transportation; Fuels and Grid; Security; Financing; State Energy Planning; Energy-Environment; State-Local

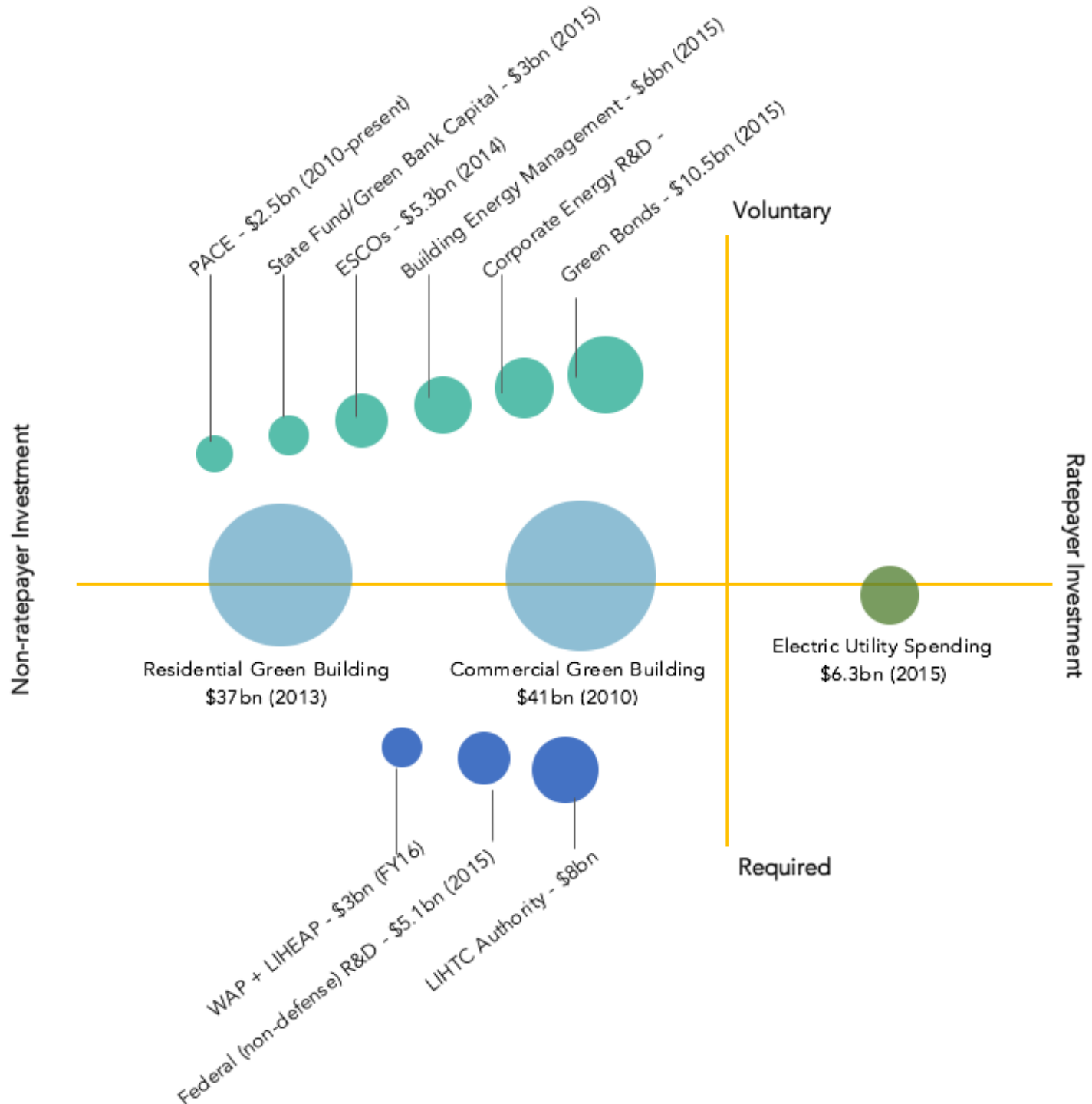
## About *State Energy Officials*

- Advise governors and legislatures and lead statewide energy policy planning on behalf of the governors in most states
- Inform state electricity and environmental regulators *and* intervene in regulatory proceedings
- Advance practical energy policies and support research and deployment to transform markets
- Oversee billions of dollars in state-based clean energy funding and catalyze billions in private sector energy infrastructure investments
- Partner with the private sector to accelerate energy-related economic development

# + NASEO Affiliate Members

*A robust and engaged network of +60 private-sector partners, including representatives from business, trade associations, nonprofit organizations, educational institutions, laboratories, and government.*





# + State Energy Policy and Program Trends

## **A Few Trends (*Disruption is Around Every Corner – Where Does ESPC Fit?*):**

- Cost – Lower energy costs (in most states) are supporting economic development
- Convergence – Grid-related buildings technologies and “prosumers” blur supply/demand silos
- Cars – EVs *could* change the course of electric utility business models and *could* lower rates
- Resilience – States and cities are integrating energy supply and climate-related risk reduction strategies to improve system and community resilience and affordability
- Convergence – Grid-related buildings technologies and “prosumers” blur supply/demand silos
- Customer – Corporations increasingly want clean energy and lower GHGs, and states are responding

## **What We are Seeing in Washington, DC. (*Hurry up and Wait . . .*)**

- Budget . . . Tight despite economic growth due to structural issues
- Tax . . . Possible before the 2018 election (link with infrastructure funding)
- Infrastructure . . . Possible before 2018 but what if there’s no money from tax changes
- SEP and ESPC . . . Are among the few “energy things” that most support

## **News From Six 2017 NASEO Regional Meetings (*Opportunity in Every Community . . . Now*)**

- Budgets . . . In most states public funding is very tight despite lower unemployment
- ESPC . . . Near universal interest, but new faces and doubts mean a need for program assistance
- Workforce . . . Training and education needed to support clean energy jobs and private investment
- Resilience . . . Through robust risk mitigation (e.g., EE, RE, Storage, AI/controls)
- Affordability and Equity . . . Being considered most energy program and policy development actions
- Environment . . . Use of efficiency programs is key to meeting air and water quality goals
- Technology . . . Advance clean energy R&D and deployment using public/private partnerships
- Policy . . . State energy policy plans are growing in importance and relevance (e.g., IA, SC, UT, MI)

# + Opportunities – Enabling and Crosscutting

## *State Energy Policy Planning*

- Most governors charge State Energy Offices with leading the development of energy policy plans to set priorities; State legislatures take up plan recommendations (e.g., IA, MO, CT, RI, SC)
- 2018 election will mean over 20 new governors and as many opportunities to reinforce and introduce innovative energy policy
- ESPC best practices (among other policies and programs) would be a valuable addition to any governor's energy policy plan

## **NASEO launched State-Local Initiative and Committee on July 19, 2017**

- Public facility energy and water retrofits (e.g., ESPC)
- Integration of renewables, storage, and efficiency (e.g., electric distribution system planning)
- Building energy codes (e.g., compliance and ZNE)
- Financing and affordability (e.g., PACE)
- EV charging infrastructure and E-transit (e.g., VW settlement funds)
- Workforce development (e.g., clean energy jobs data and training)

