

USVI Wedges and Working Groups

or How Do We Get to 60% by 2025?

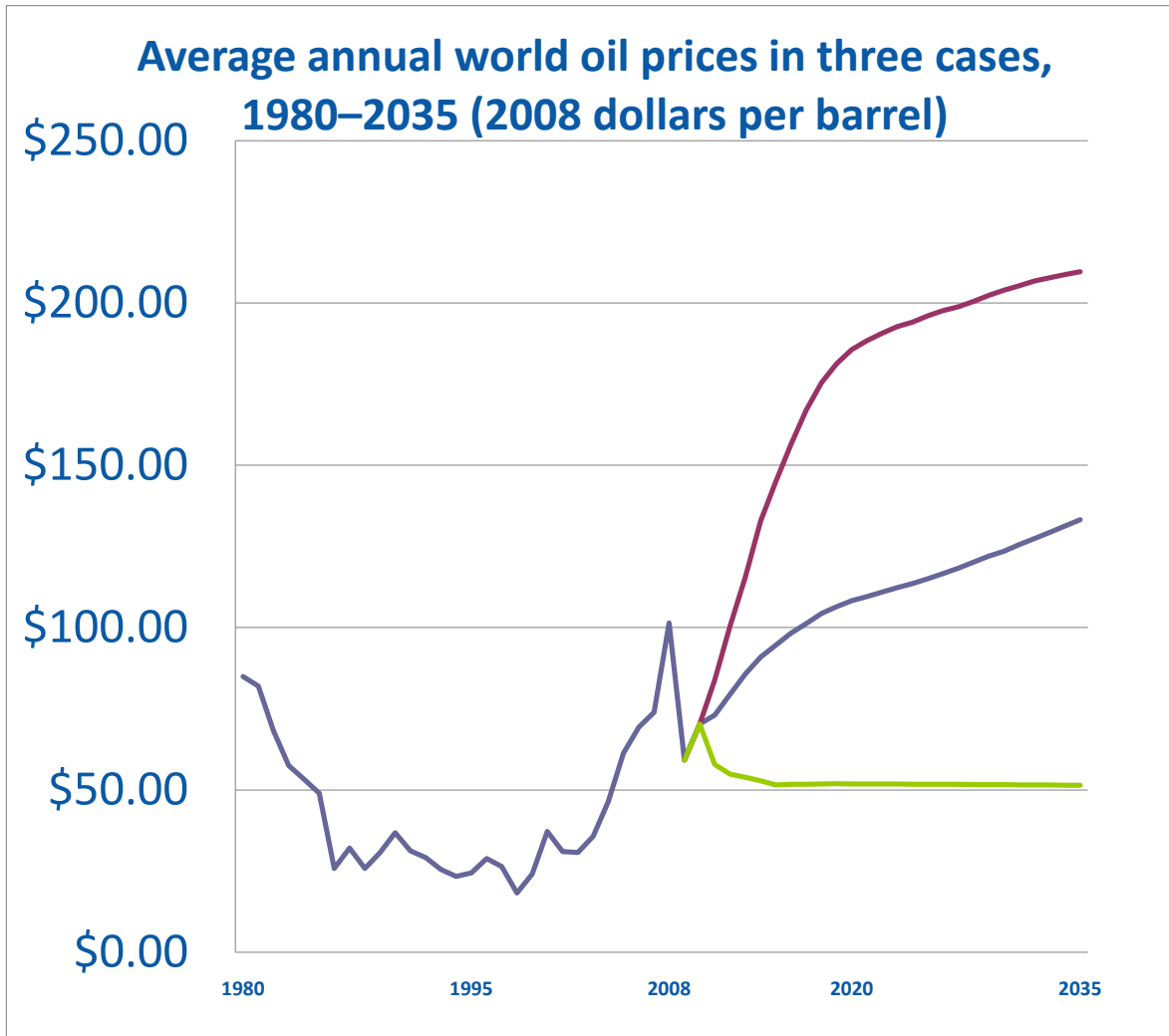


Adam Warren, PhD

**Regional Initiatives
NREL**

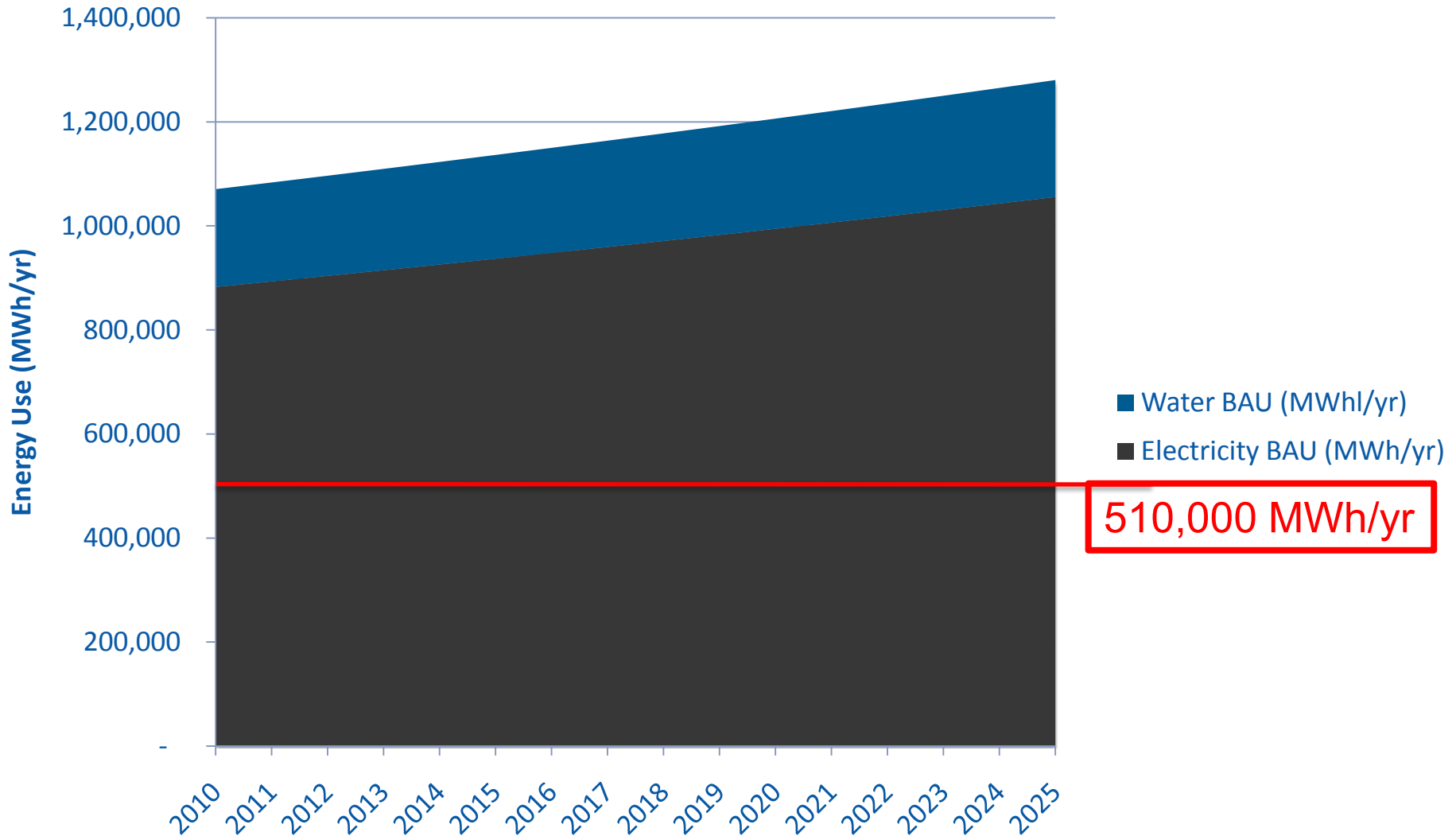
June 14, 2010

Our Motivation



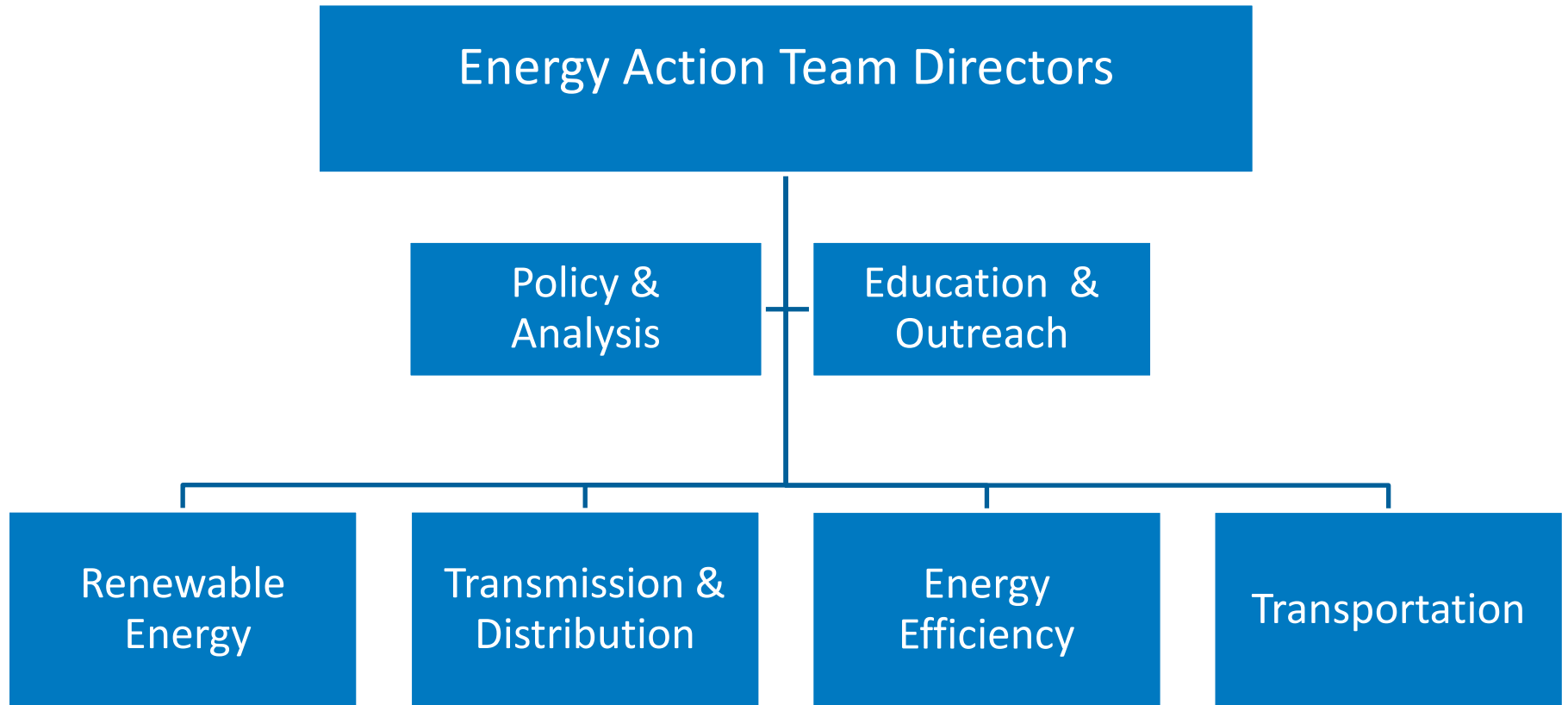
* Oil price predictions don't include potential effects of **catastrophic events**

Our Goal—60% Reduction by 2025



Note: Much work to be done on transportation

Our Approach—Working Groups



Working Group Overview

Transformative change cannot happen without a strong, integrated teams

- Key stakeholders: Government, utility, businesses, environmental groups, PUC, homeowners, landlords, tourism groups

The goal of each working group is to provide a forum for discussion, education, and planning

Each working group will be assigned a wedge and will focus on removing barriers (political, policy, technical, financial, education, workforce development, etc.) to filling the wedge

Working Group Agendas

Start with background (Where are we now?)

- Policy
- Technical
- Financial

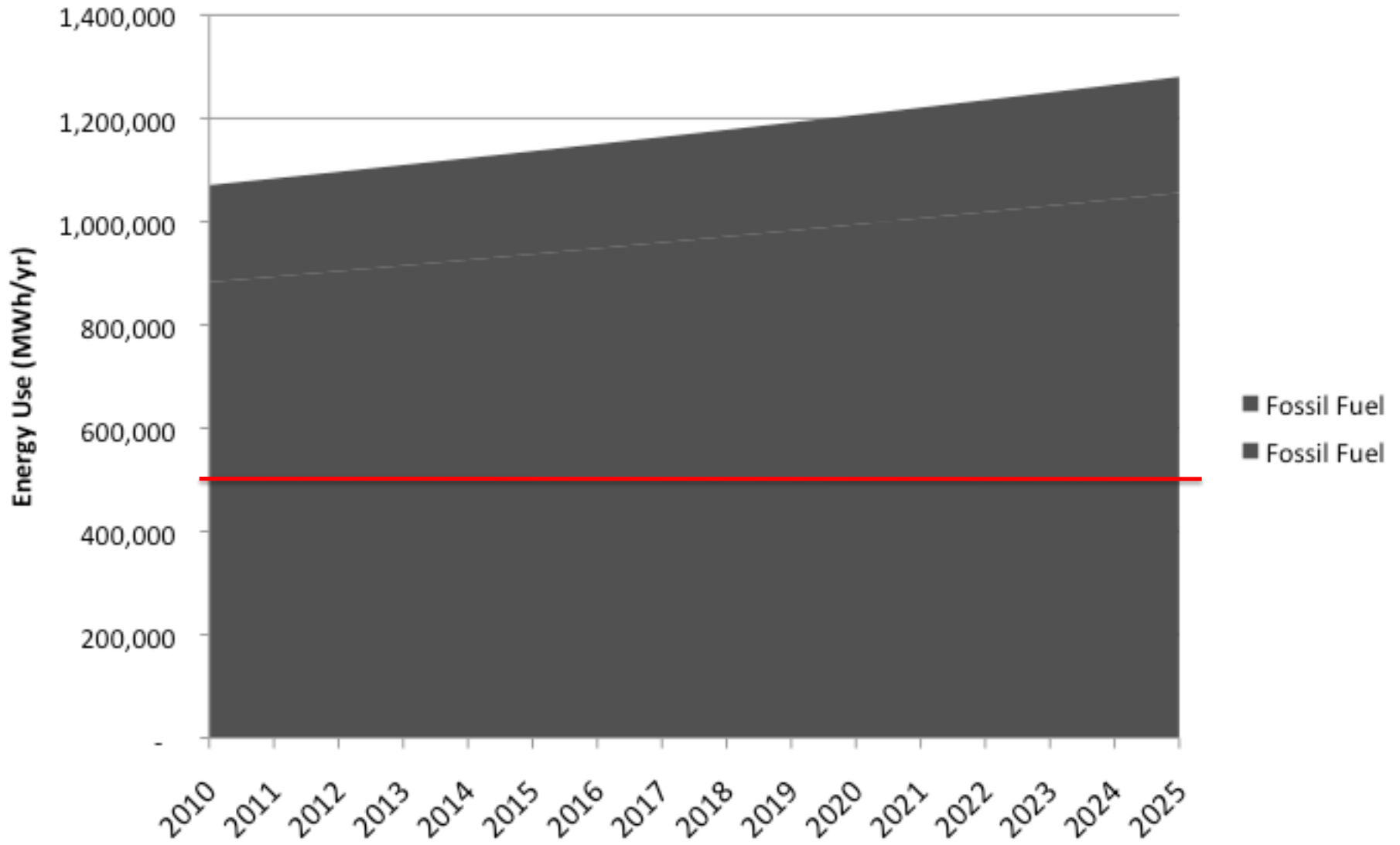
Progress to date (What are our early wins?)

Barriers (What is holding or might hold us back?)

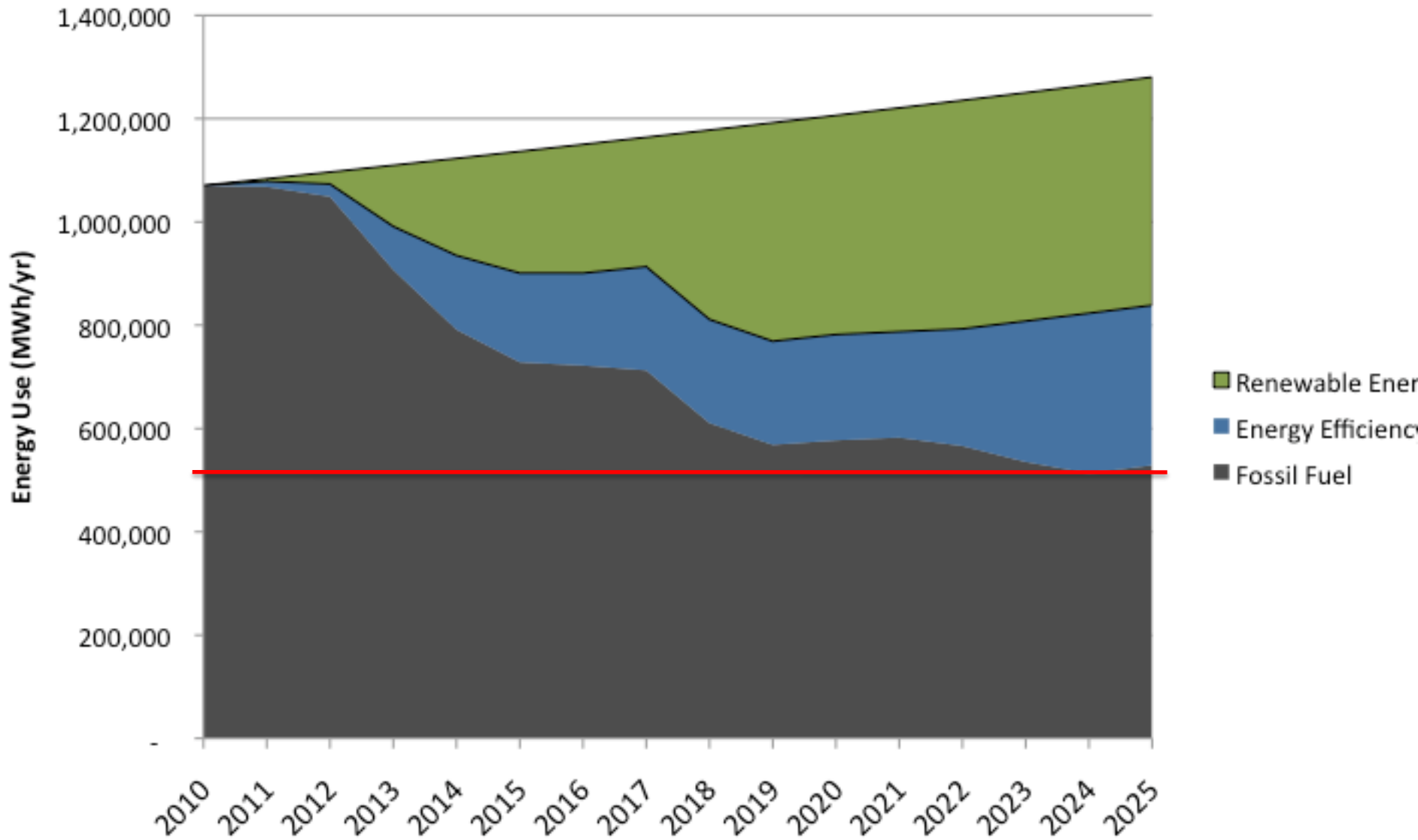
Discussion & next steps (What did we miss? What are your ideas? What next?)

Begin with open, positive discussion and end with a concrete, workable plan (Who's going to do what, when?)

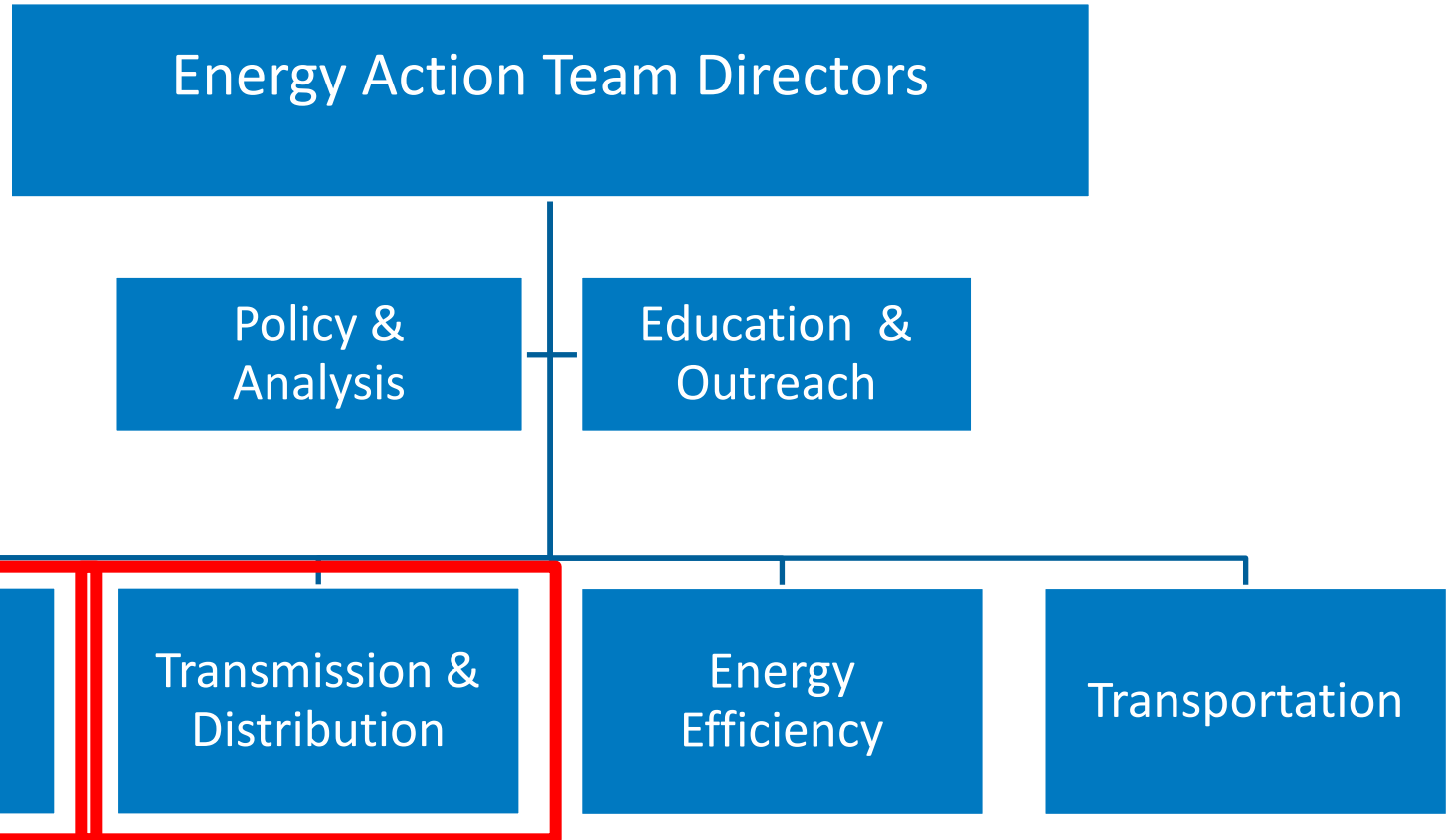
Can We Achieve 60% Reduction by 2025?



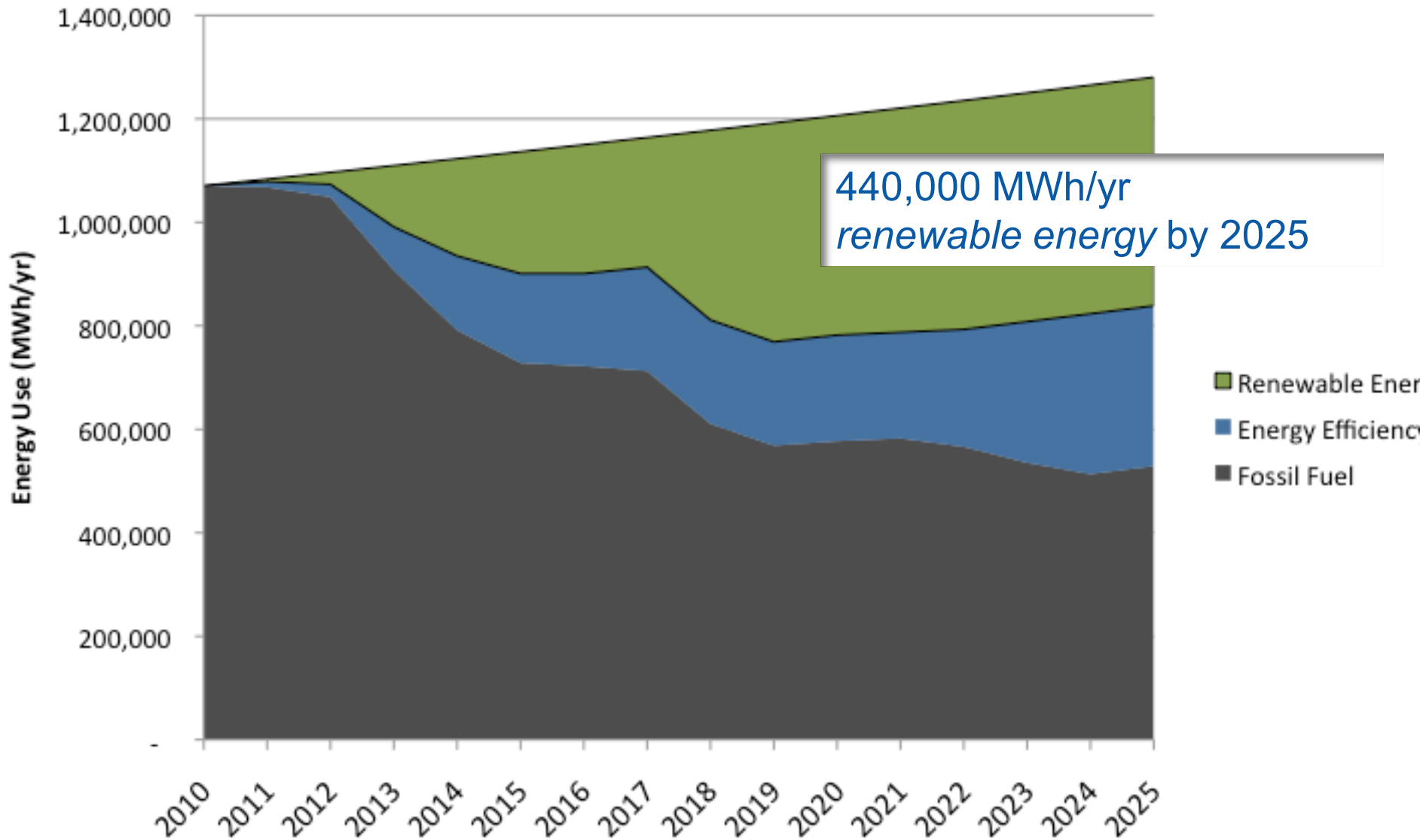
Yes, We Can (But It Isn't Easy)



RE and T&D Groups Will Work Closely to Deploy Renewable Energy at Scale



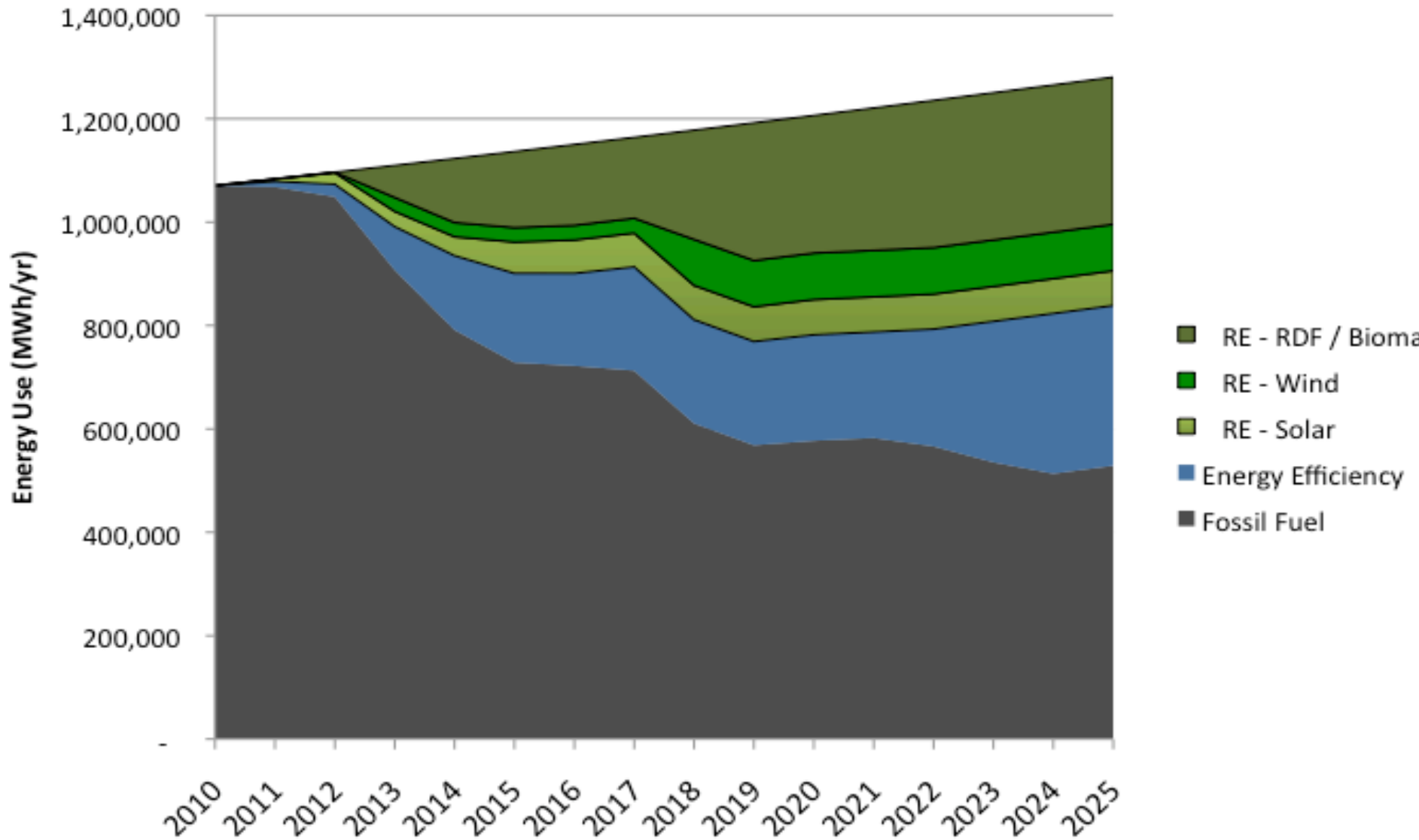
Renewable Energy Wedge



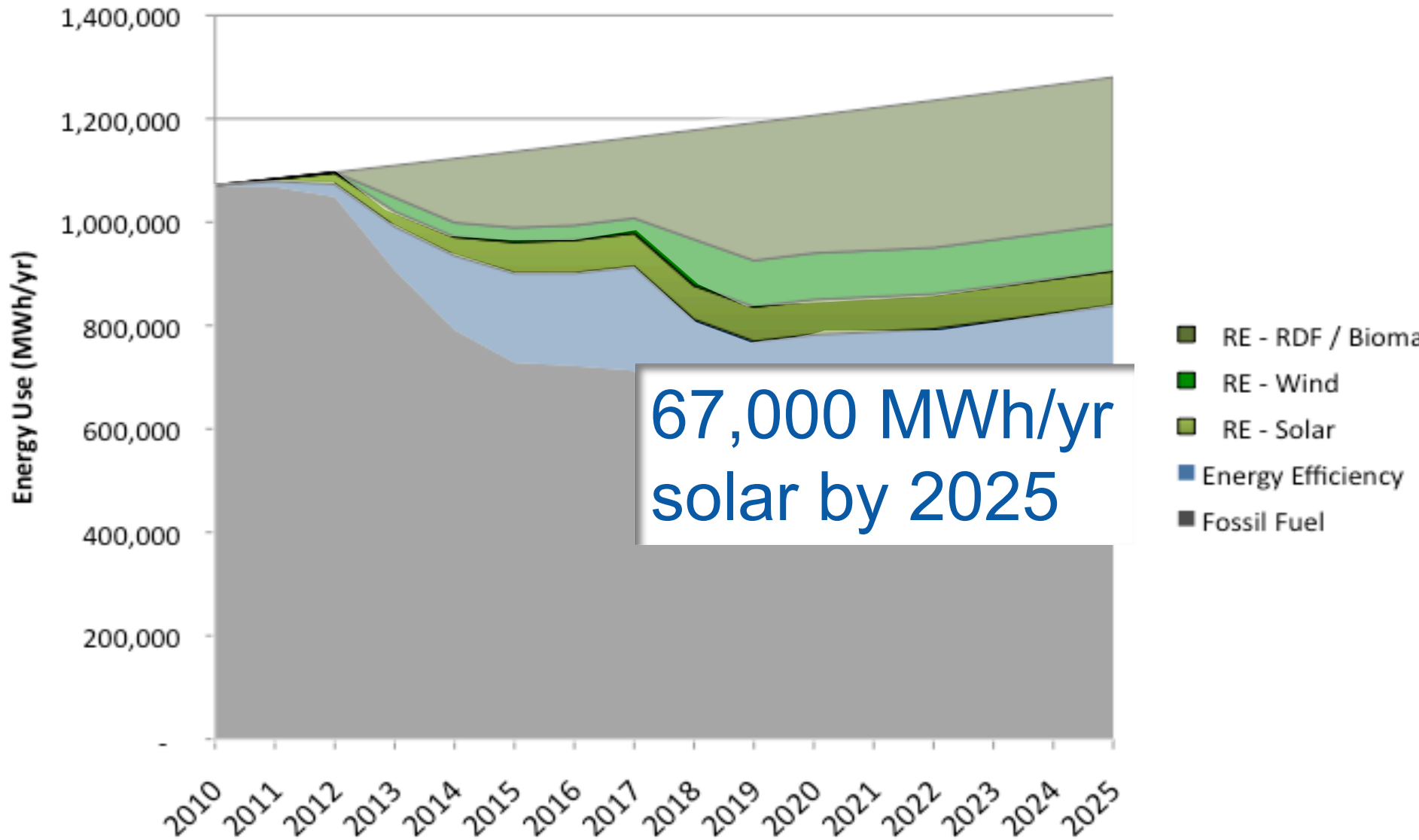
440,000 MWh/yr
renewable energy by 2025

- Renewable Energy
- Energy Efficiency
- Fossil Fuel

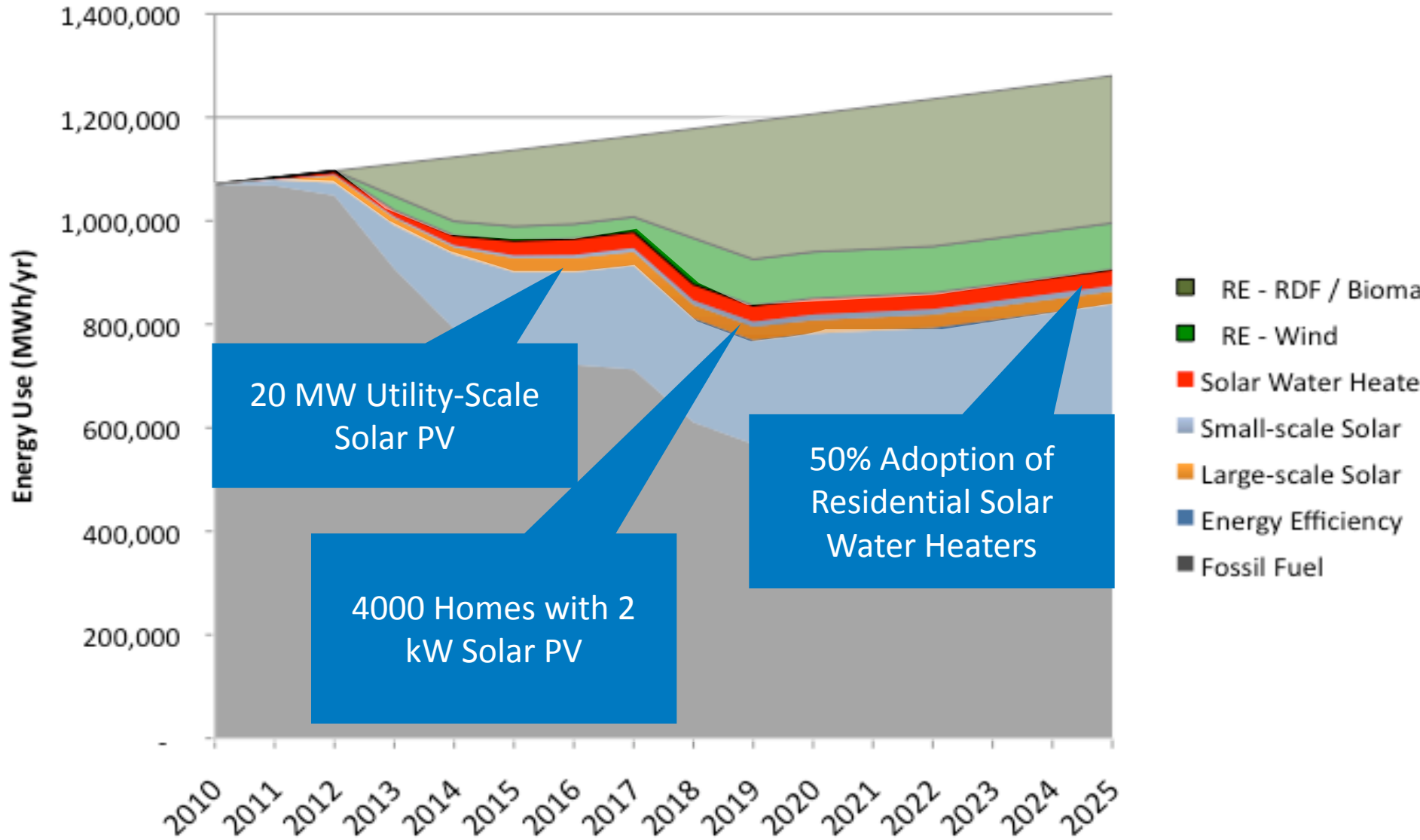
Renewable Energy Wedge: *One Potential Solution*



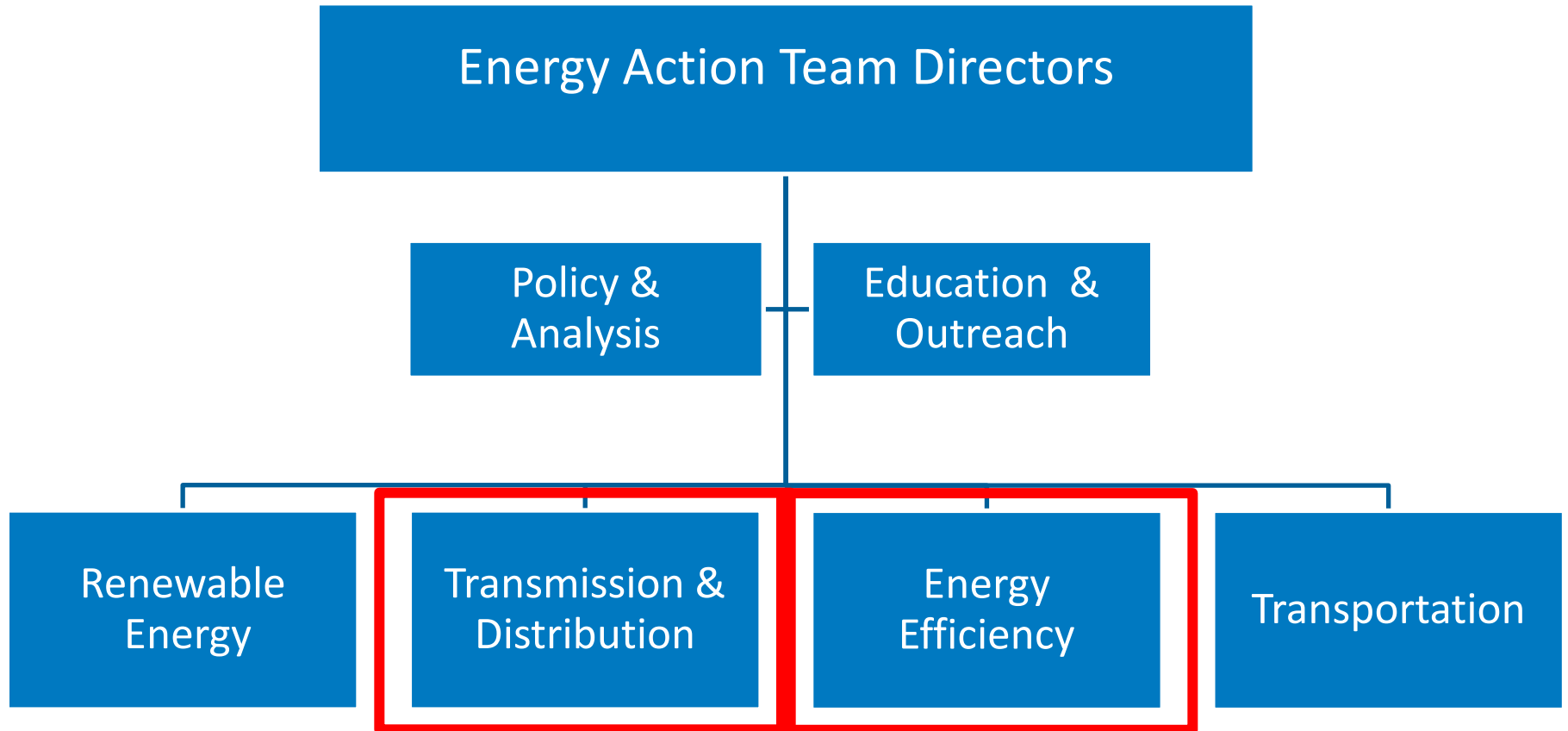
Renewable Energy Wedge: *One Potential Solution*



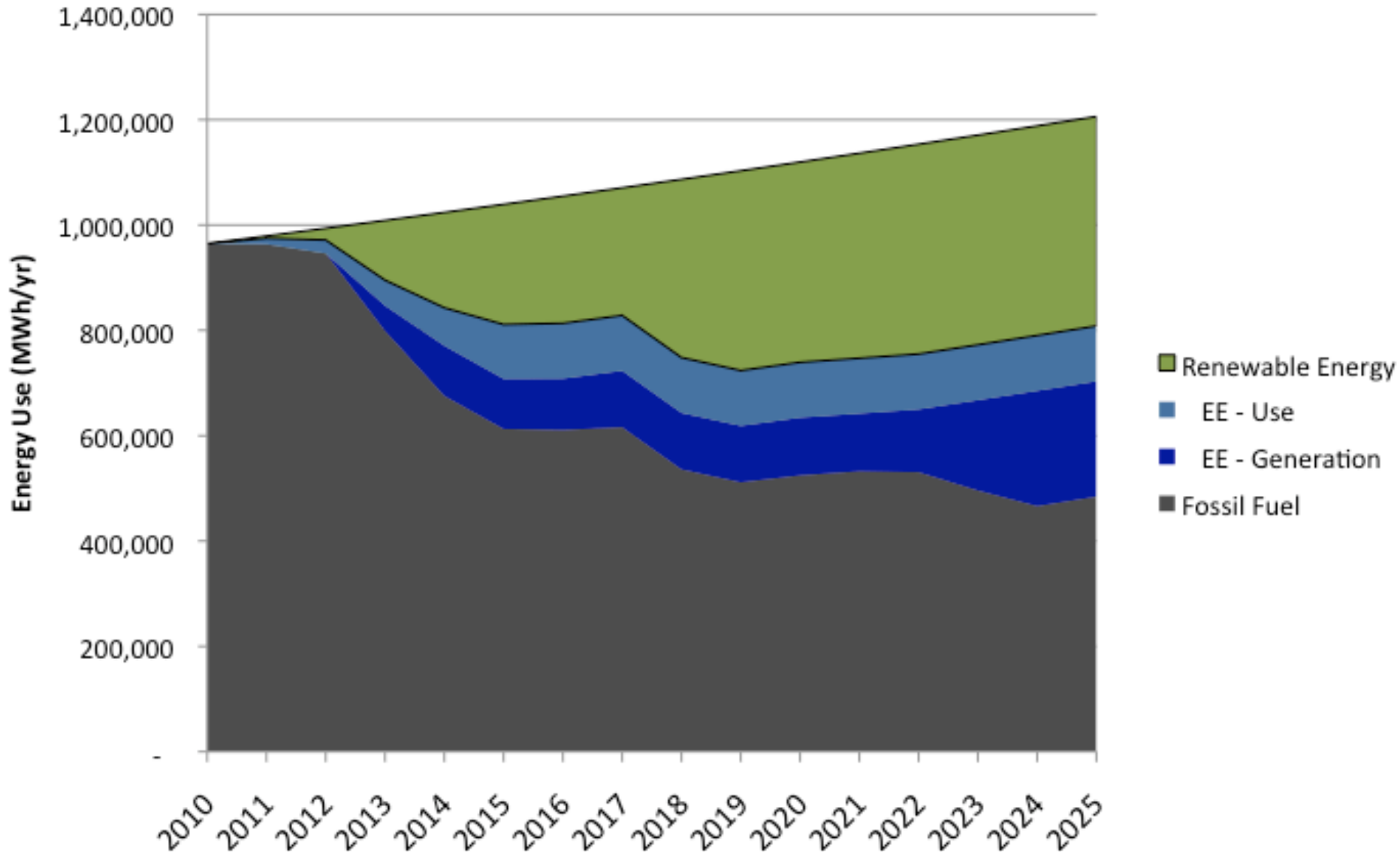
Renewable Energy Wedge: *Focus on Solar—How Do We Do This?*



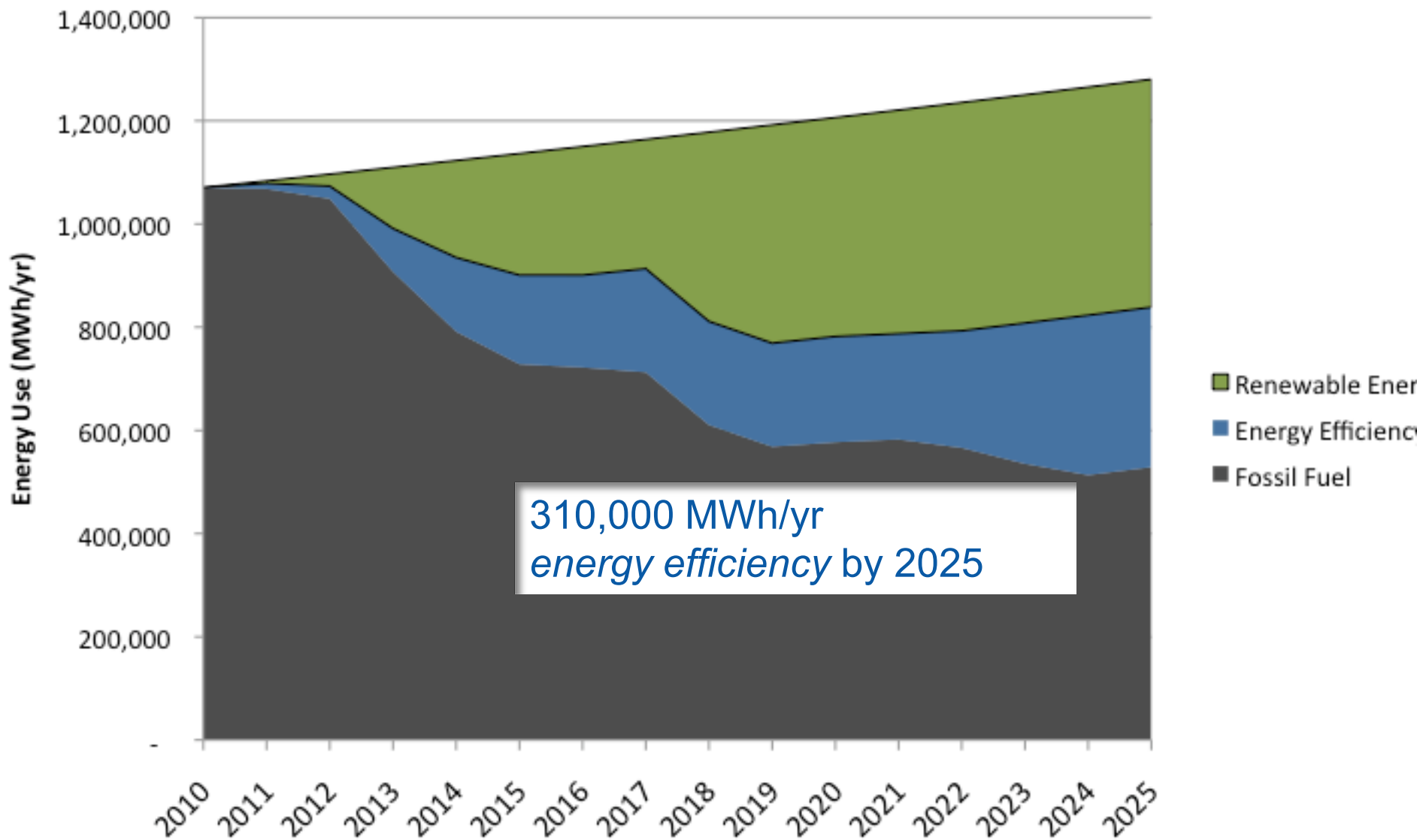
Energy Efficiency



Energy Efficiency Wedge

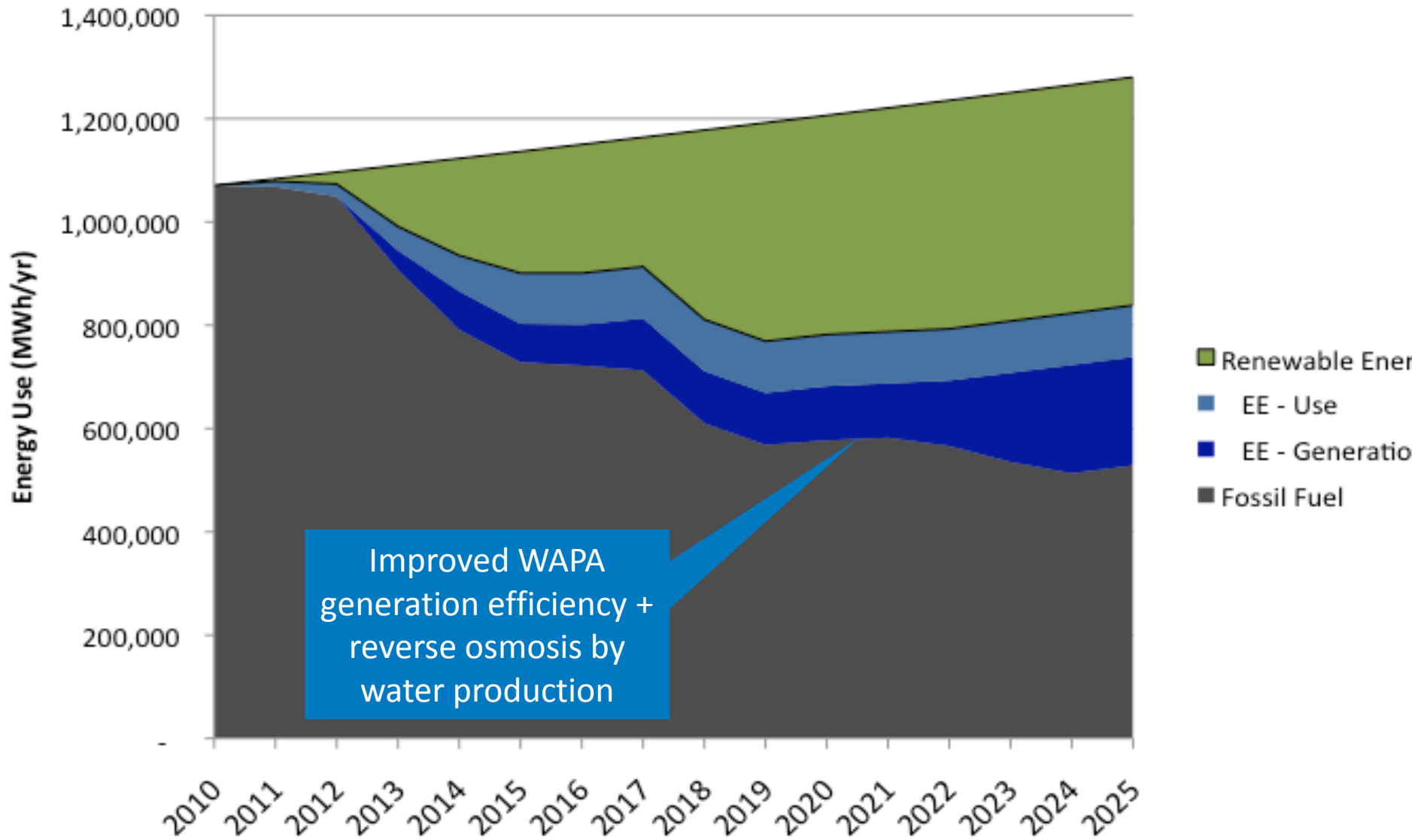


Energy Efficiency Wedge



310,000 MWh/yr
energy efficiency by 2025

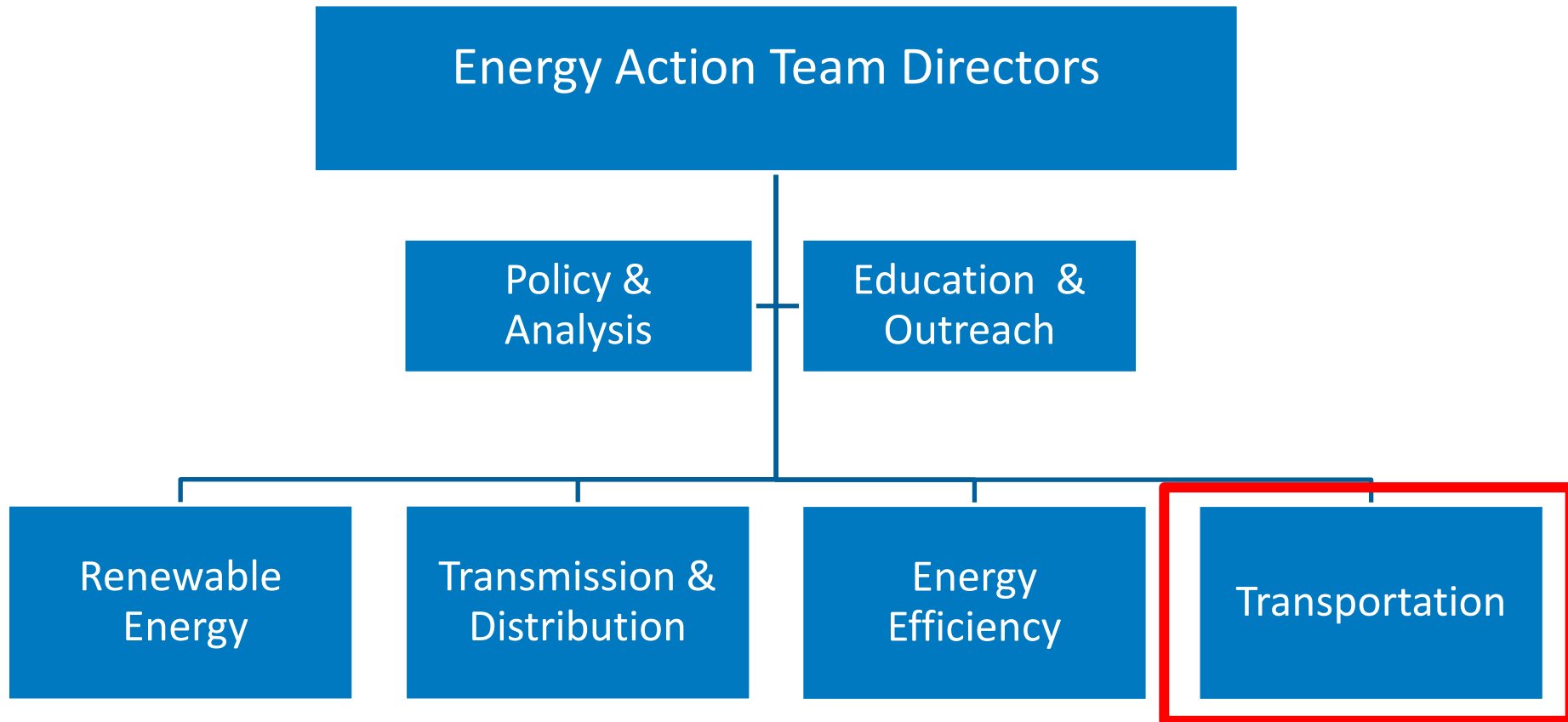
Energy Efficiency Wedge



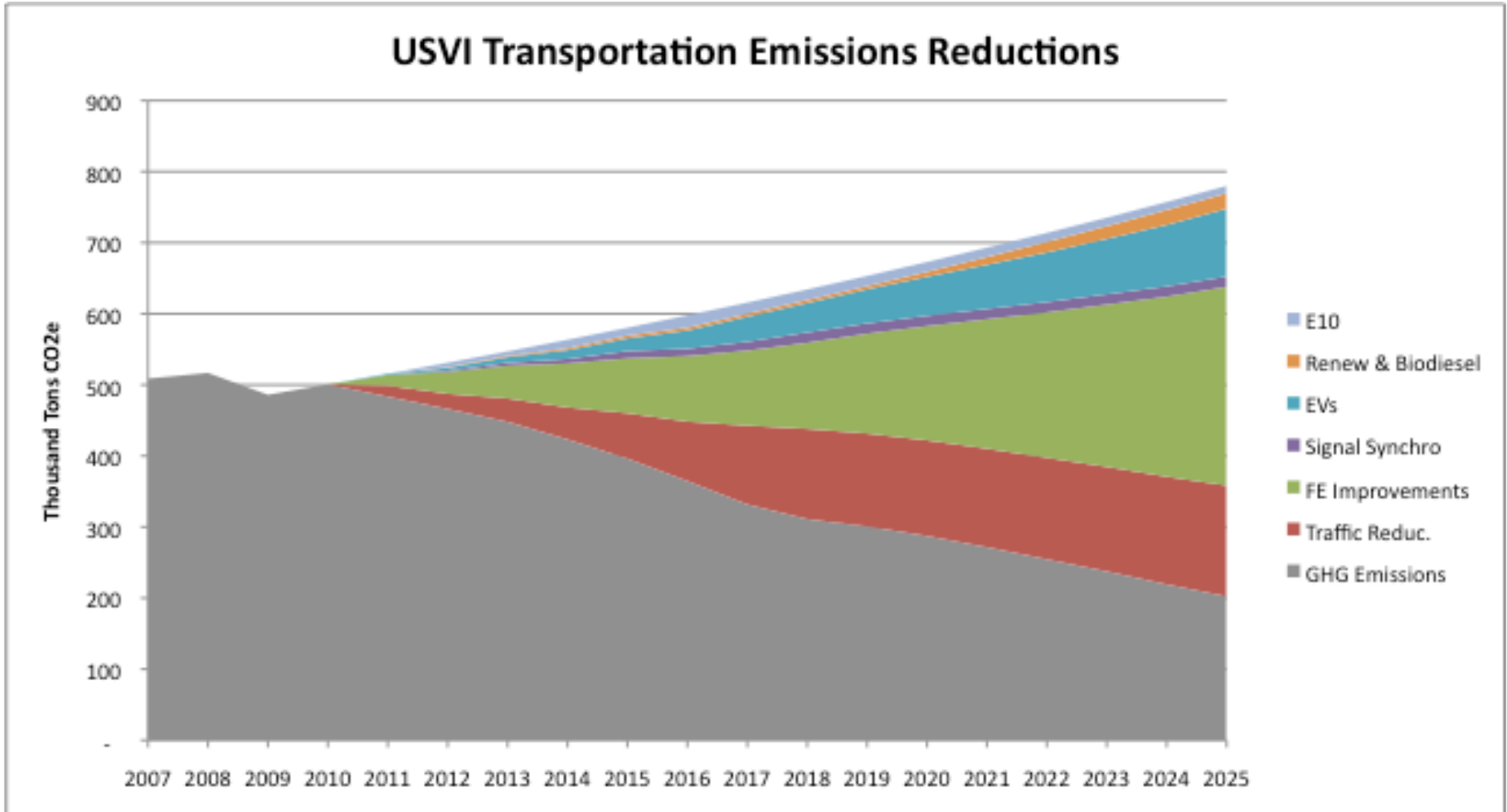
Improved WAPA generation efficiency + reverse osmosis by water production

- Renewable Energy
- EE - Use
- EE - Generation
- Fossil Fuel

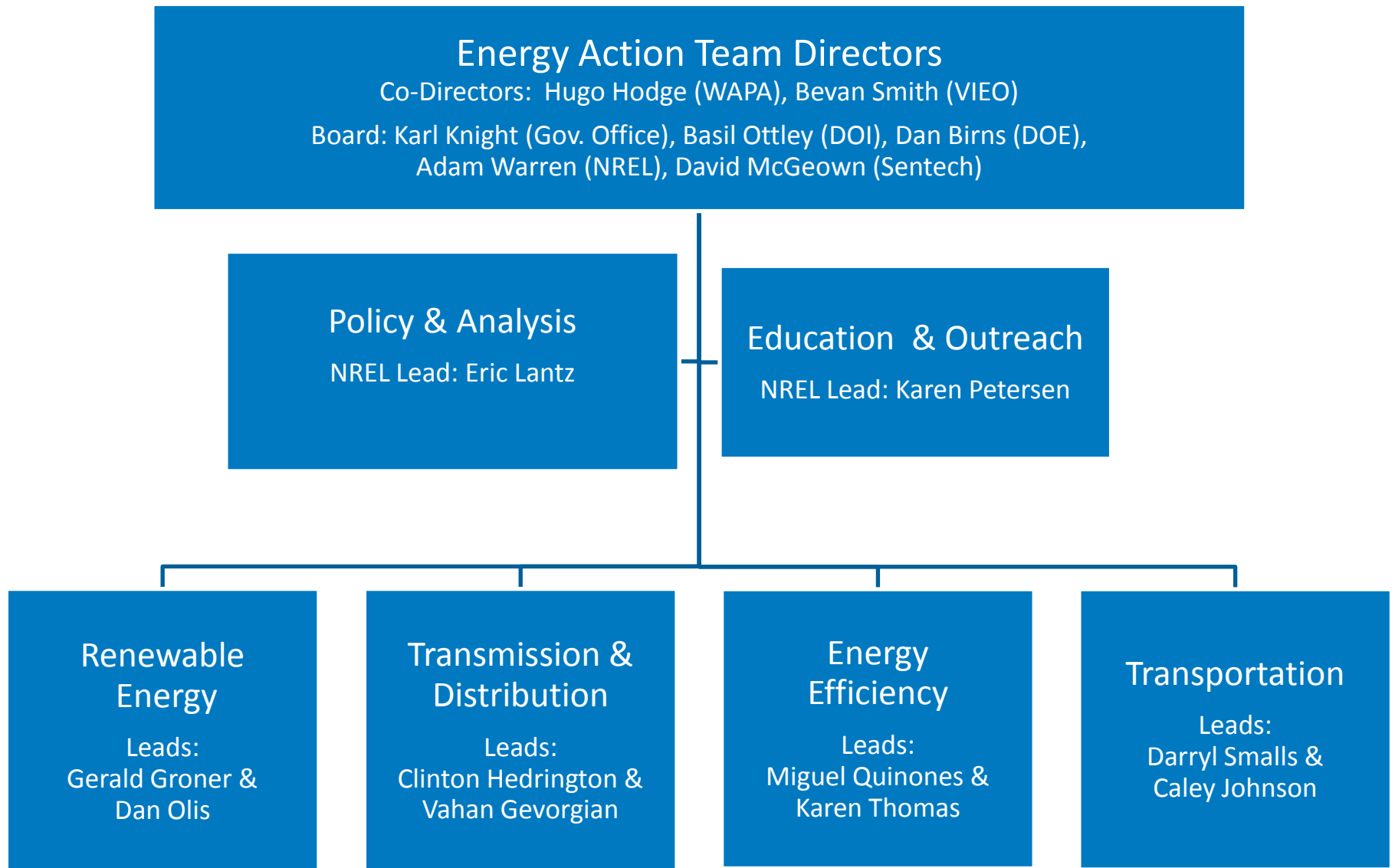
Transportation



Transportation Wedges



Working Group Leads



Energy Action Team Schedule

This week

- Today—discussions, introductions, *sign up for a group*
- Tomorrow—in-depth discussion and planning
- Wednesday—group leads report out and plan; communications exercise

Between now and October

- Biweekly/monthly calls
- In-person meeting as needed

In-person WG meetings 3x per year

- Oct. 2009—EDIN kickoff, St. Thomas, USVI
- Feb. 2010—Energy Workshop, Golden, CO
- June 2010—working group meeting, St. Thomas, USVI
- Oct 2010—working group meeting, St. Croix, USVI

Questions/Discussion

