



# NASEO

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February 8, 2023

# NextGen Highways

- The United States is on the verge of making a generational investment in its infrastructure.
- Coordinated, proactive and holistic planning will be key to maximize the benefits from this generational investment.
- NextGen Highways promotes this coordination by reimagining highways as infrastructure corridors where electric and communications infrastructure are strategically and safely co-located in the highway right-of-way (ROW).



# Reimagining highways as infrastructure corridors to meet society's needs

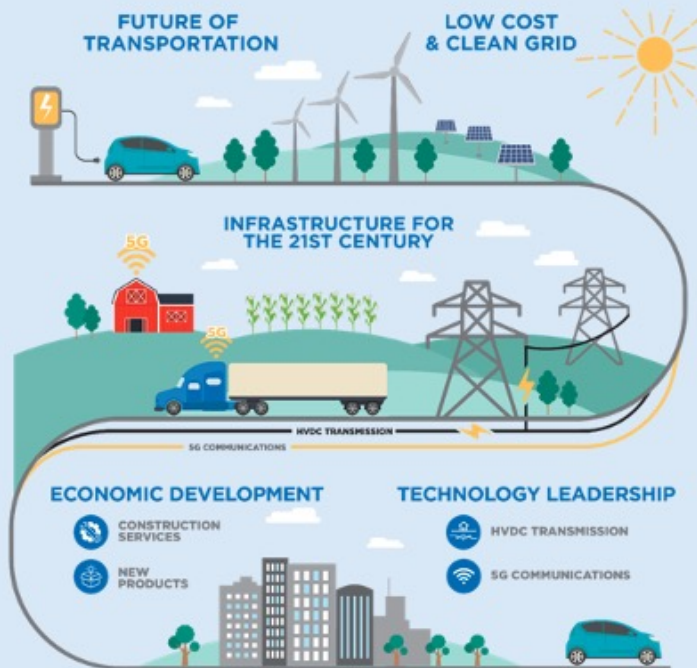
NEXTGEN  
HIGHWAYS





# Next Generation Highways

CO-LOCATING THE TRANSPORT OF VEHICLES,  
ENERGY, AND INFORMATION



NextGen Highways are highways with the strategic co-location of:

- electric transmission lines
- ZEV charging/fueling infrastructure
- fiber, 5G, and other communications infrastructure

[As discussed in this white paper](#)

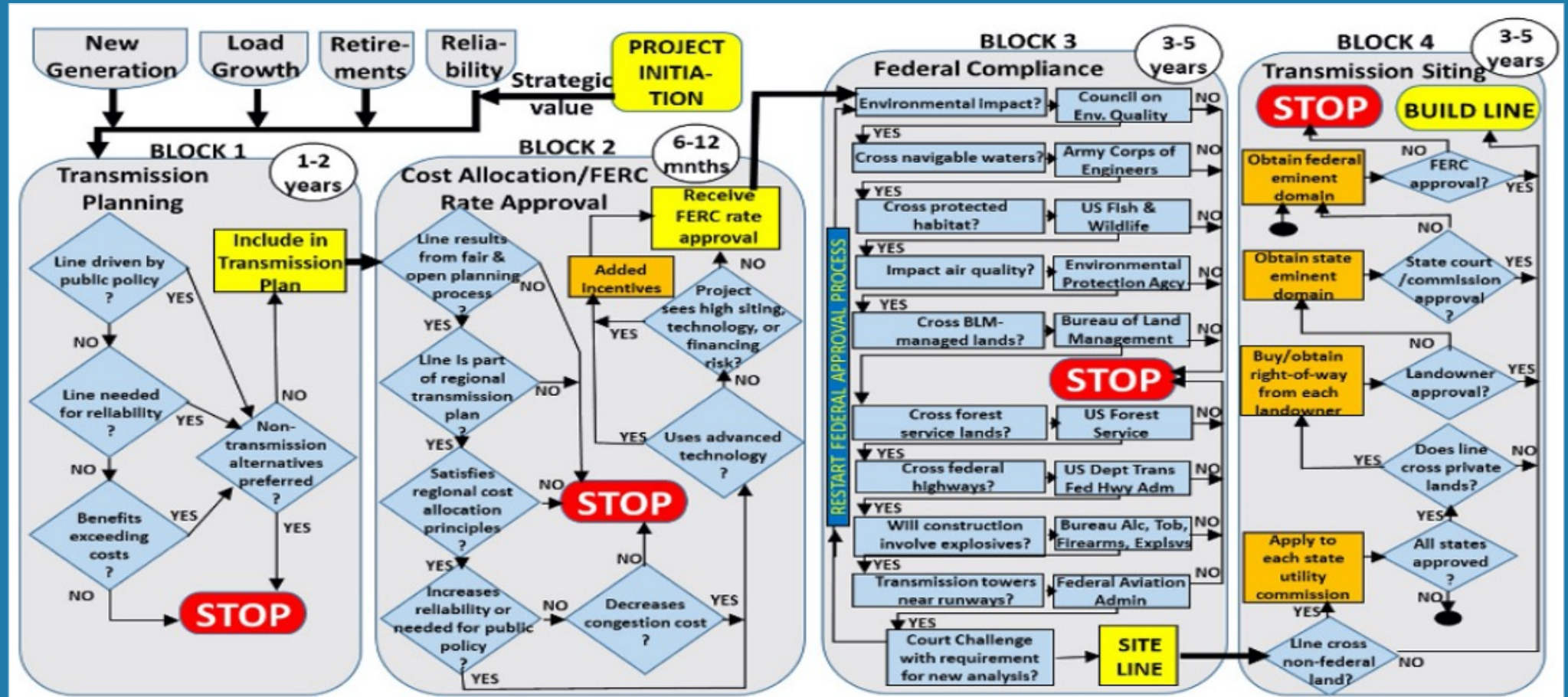
# Preparing for Clean Energy Proliferation

- MISO Interconnection Queue
  - 769 projects, 118,000 MW
- SPP Interconnection Queue
  - 470 projects, 90,000 MW
- CAISO Interconnection Queue
  - 95,000 MW renewable energy
  - 140,000 MW of storage

MISO Renewable and Storage Projects (Sept. '22)



# Challenges





An aerial photograph of a multi-lane highway stretching into the distance under a dramatic sunset sky with orange and yellow clouds. Several cars are visible on the road, including a large truck in the right lane. The highway is flanked by green trees and hills.

**NextGen Highways Goal:**  
Collaborate to remove barriers to the  
co-location of energy and  
communications infrastructure in  
highway and interstate rights-of-way



# Key Objectives in 2023

- National Coalition Convening
  - Advocating to stakeholders (federal agencies, developers, advocacy orgs., etc. the value of co-locating new transmission and fiber in existing ROW, including highway ROW
- Target-State Coalition Convening
- State identification and prioritization
- Legislative and policy analysis
- Coalition building
- Public opinion research
- Community engagement



# Strategy: Role of SEO

- Engage state energy offices and other stakeholders on the barriers and opportunities to achieve the Goal
  - utility, regulator, transportation, RTO, clean energy, communications and elected official stakeholders
- Leverage results of MnDOT study and Wisconsin's experience building in highway rights-of-way

# Wisconsin Playbook for Co-Location

1. Establish highway and railway corridors as priority corridors for new transmission development (2003 Wisconsin Act 89)
2. Updated DOT utility accommodation manual and policy to facilitate the longitudinal installation of transmission in DOT ROW
3. Establish a cooperative agreement between the DOT and PUC
4. Utilities should work with the DOT to produce 'Constructability Reports' Where possible utilities should seek to utilize engineering firms with DOT expertise
5. Where possible utilities should seek to utilize engineering firms with DOT expertise



# HVAC Transmission in Highway ROW (WI)

## Madison to LaCrosse WI

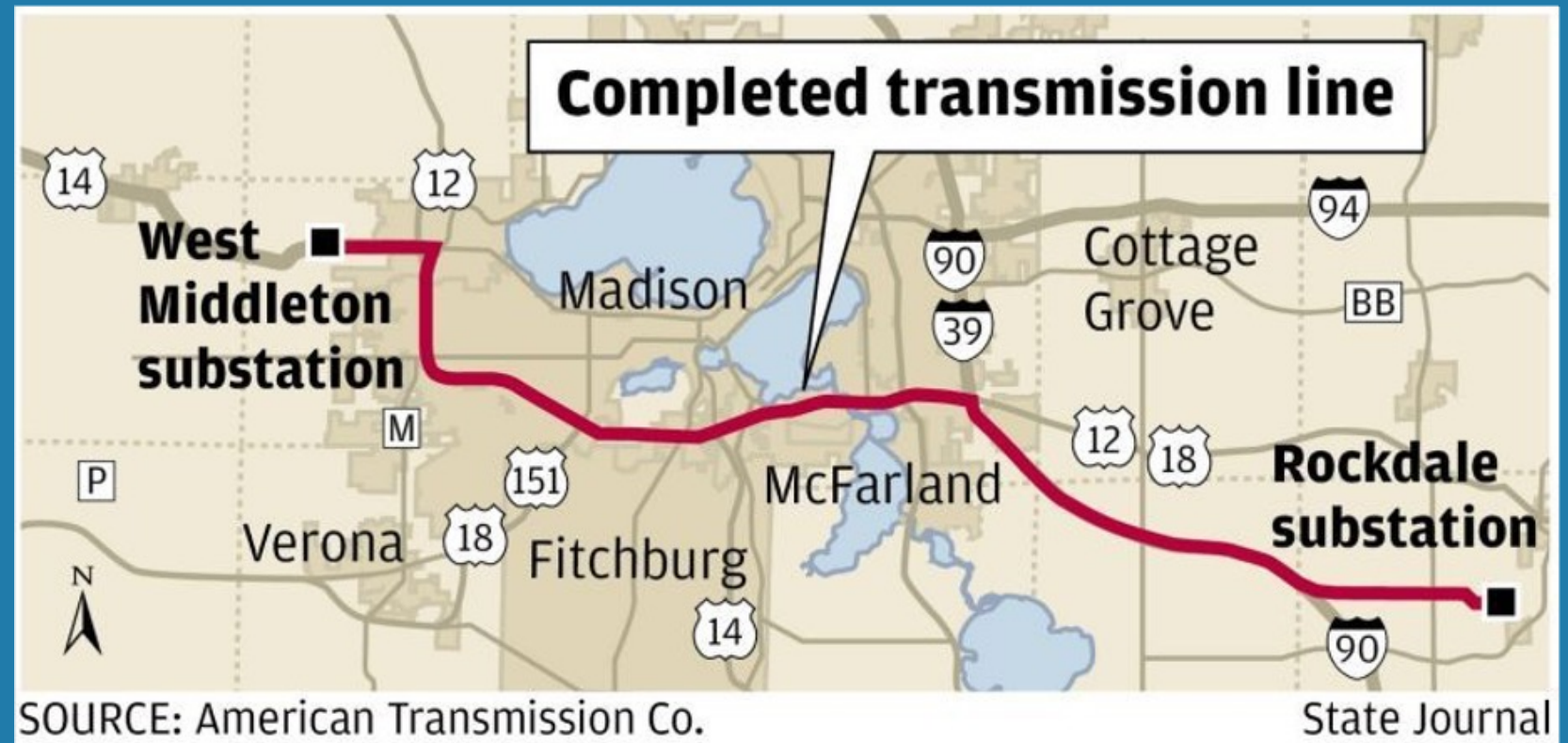
108 miles (of  
160) in  
highway ROW



# HVAC Transmission in Highway ROW (WI)

## Dane County Project

25 miles (of 32)  
in highway  
ROW







**Thank you!**  
NextGenHighways.org