



# Sustainability 101 Toolkit

Start, Accelerate, Optimize

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# Today's speaker



## Bobby Quinlan

Partner Account Executive  
Enel North America

- Focus on decarbonization and clean energy solutions
- Helping organizations optimize their strategy and implement an integrated approach to their energy use

[robert.quinlan@enel.com](mailto:robert.quinlan@enel.com)

# We are Enel, a global leader in the energy transition



Enel has pledged  
**zero carbon** by 2040

**\$190 B**  
Invested in clean  
energy by 2030



Enel is the world's largest  
private player in **renewables**  
By installed capacity. Includes renewable managed capacity.

**9.7 GW**  
Renewable capacity  
in North America  
59 GW globally



Enel has a large customer base  
**(businesses, utilities, cities)**

**4,500+**  
Customers  
in North America  
70M+ customers globally



Enel is a world leader in  
**demand response**

**4.7 GW**  
DR capacity  
in North America  
8.5 GW globally



Data as of July 2023



# Energy strategy and sustainability are intertwined



Sustainability can advance your energy goals – and vice versa



## Economic benefits

Solar and storage can cut energy costs and generate revenue.



## Resource conservation

Battery storage minimizes waste while lowering costs.



## Legal/financial risk

Sustainability reduces legal and financial risks by ensuring local and federal regulations are met.



## Price volatility

PPAs reduce emissions as well as helping to reduce price volatility.



## Beyond megawatts

Initiatives can maximize social impact in local communities (Enel's Creating Shared Value business model)



## Resilience

On-site solar and storage build resilience in the face of energy disruptions.

# Clean Technology ITC will have major impact

Project owners would see major benefits for a variety of technologies



Tax credits include a 30% tax credit for :



**Electricity generating systems** like solar PV, wind, water, and geothermal



**Energy storage systems** like batteries, flywheels, pumped storage, and other energy storage systems



**Low-carbon heat equipment** like active solar heating equipment, air-source or ground-source heat pumps



**Heat or electricity generating systems** like concentrated solar and small modular nuclear reactors



**Industrial zero-emission vehicles and related charging or refueling equipment** like hydrogen or electric heavy-duty equipment used in mining or construction

# Where are you on your sustainability roadmap?

Assess your closest fit among these three typical organizational scenarios



		Scenario 1: Just starting	Scenario 2: On our way	Scenario 3: Far along, ready to optimize
Have you ...	Conducted carbon footprint assessment?	No	Basic assessment, need to analyze emissions	Yes – understand emissions and sources
	Set clear and measurable targets?	No	Some, but need further developing	Yes – based on latest climate science
	Implemented energy efficiency measures?	No	One or two, but need more	Yes – and analyzed effectiveness
	Invested in RE to power your ops?	No	No	Yes

# Scenario 1: Where to start?







Develop a robust decarbonization and energy strategy and take meaningful action



## Steps to take

1. Obtain buy-in from key decision-makers in your organization and align stakeholders.
2. Conduct a carbon footprint assessment.
3. Set energy goals and decarbonization targets.
4. Engage stakeholders.
5. Develop your decarbonization roadmap.
6. Evaluate energy and decarbonization options, create a portfolio, and integrate solutions where possible.

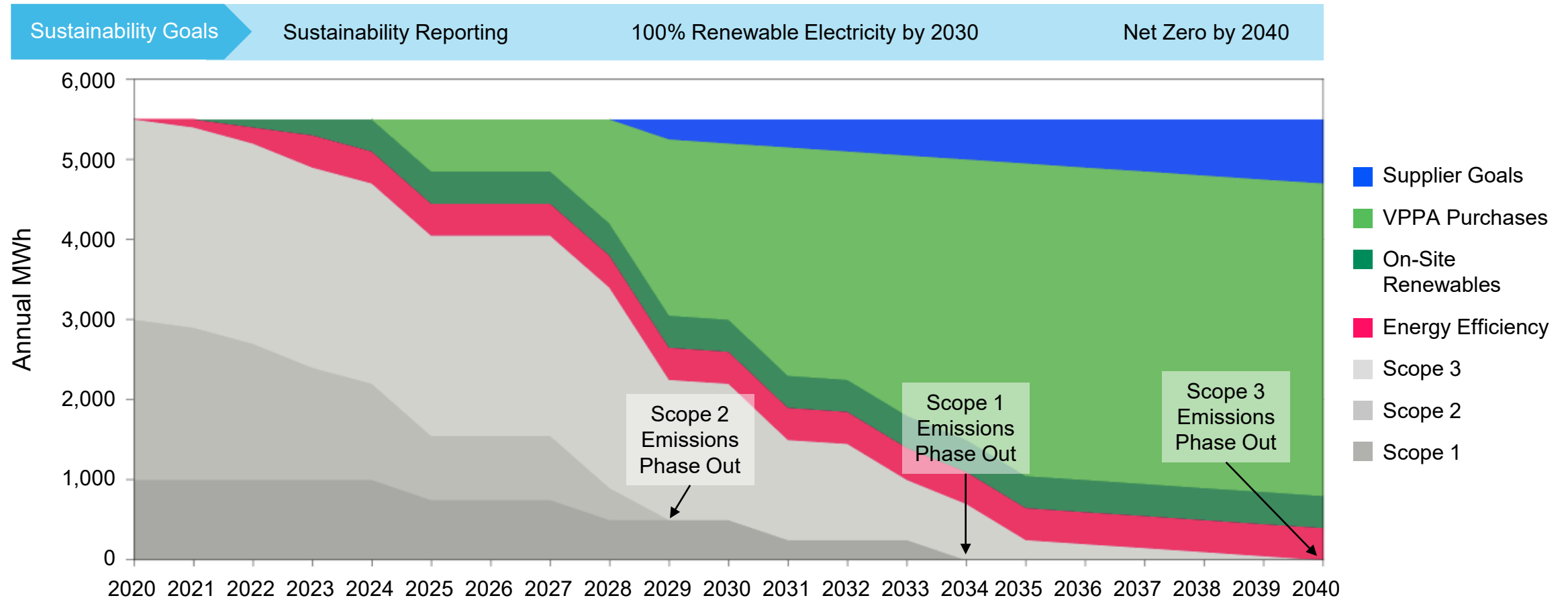
## Solutions to consider

-  Energy efficiency
-  On-site distributed energy resources, including solar and storage
-  Off-site renewable energy solutions, including virtual power purchase agreements
-  Green retail energy supply
-  Unbundled RECs
-  Electric vehicle (EV) charging

# Looking at a decarbonization roadmap



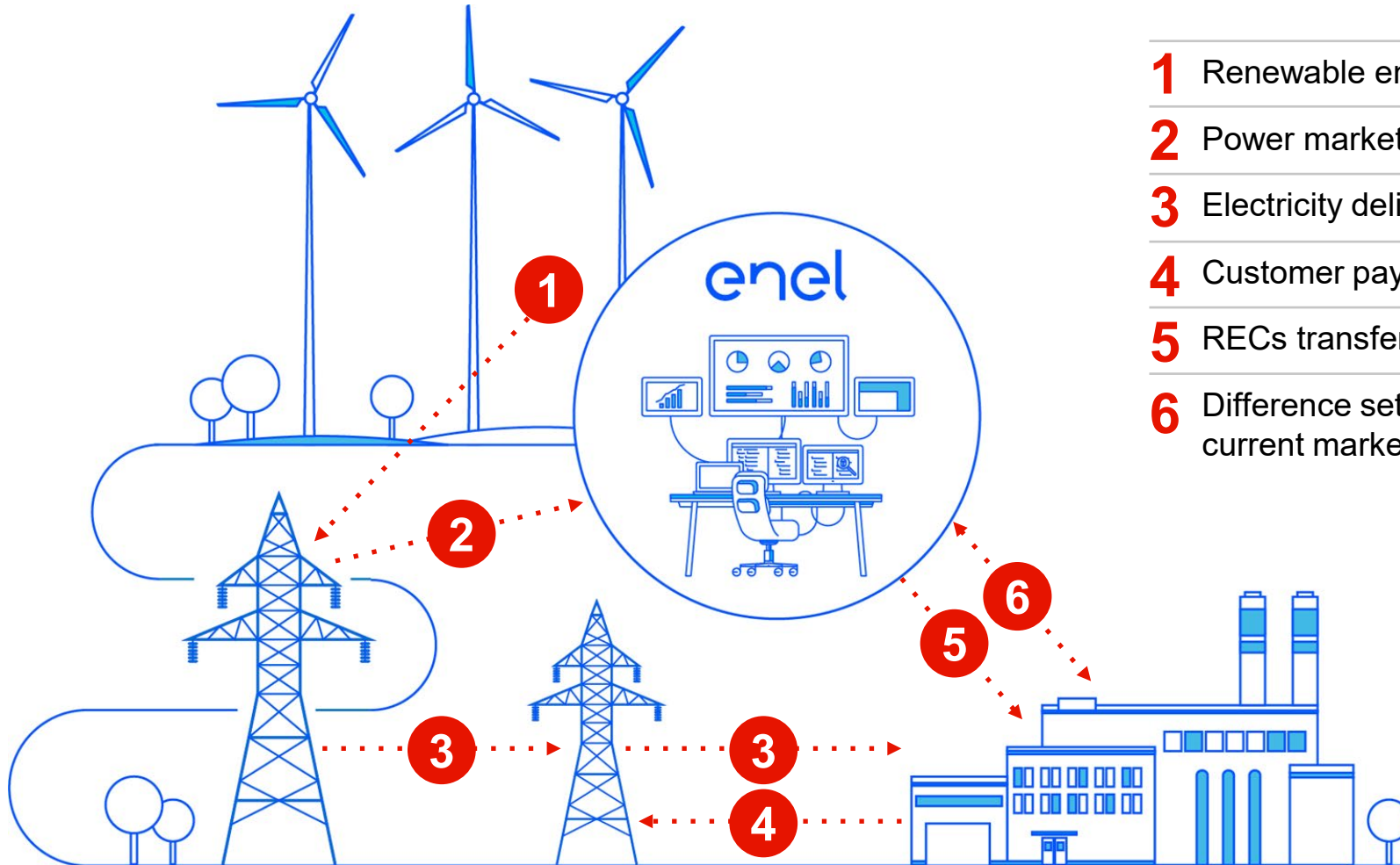
## Example Decarbonization Pathway





# What is a VPPA?

Receive the benefits of a renewable energy project, while renewable energy from the project flows to the grid



# Solutions across the energy transition roadmap are needed to successfully reduce your emissions



- On-Site Resources
- Off-Site Resources



# Want to dive deeper?

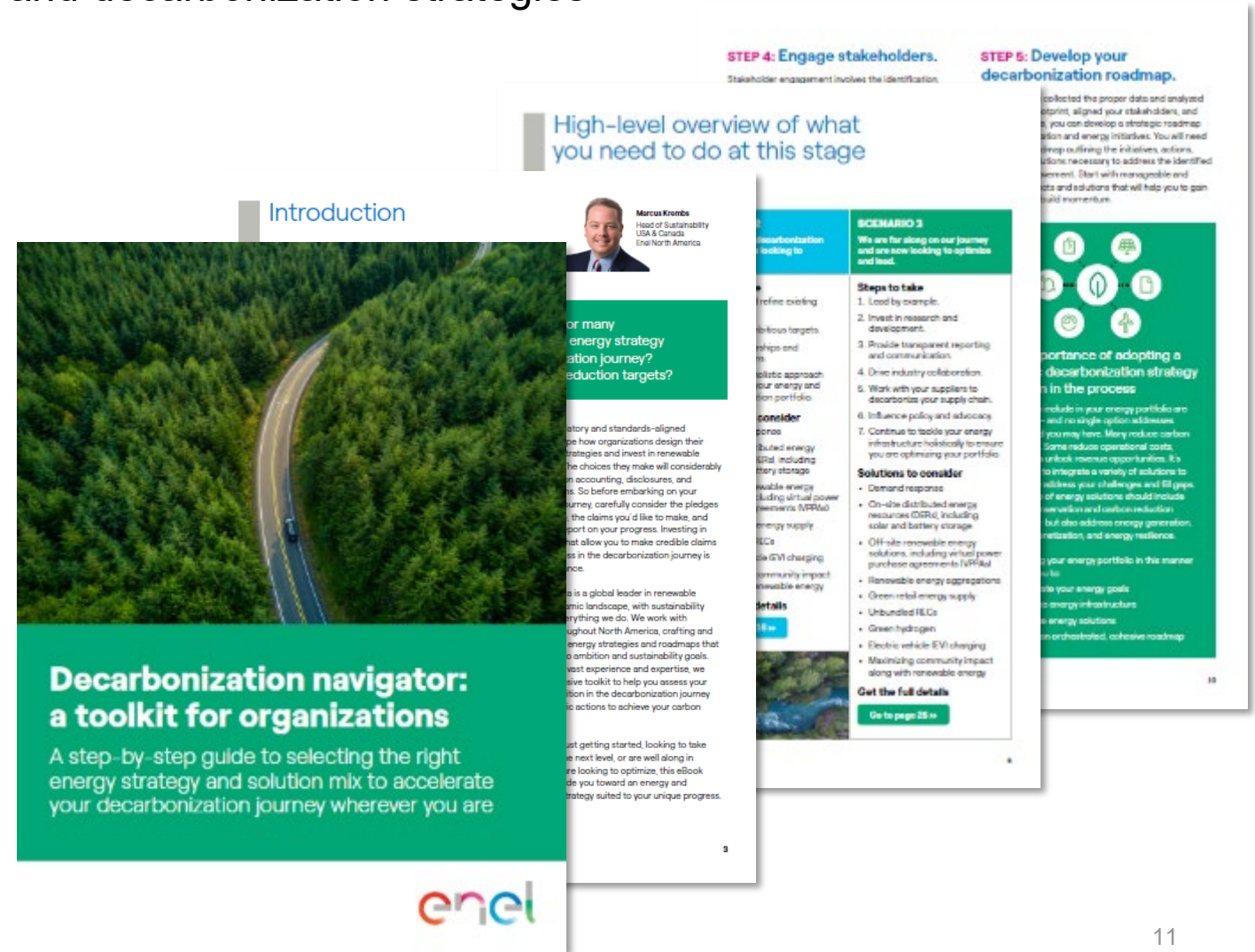
Download our guide for more sustainability and decarbonization strategies



Our [practical guide](#) is tailored to your organization's current state – whether you are just starting, looking to take your strategy to the next level, or are well along in your journey and looking to optimize.

Topics include:

- **How to build** the right energy strategy and select a portfolio of solutions to accelerate your decarbonization journey
- **Specific steps** you should be taking as you build and deploy your strategy, tailored to where you are in your journey
- **Strategies** for gaining stakeholder buy-in, measuring your carbon footprint, setting targets, forging partnerships, integrating solutions in a holistic manner for maximum impact, and much more





# Q&A



**Bobby Quinlan**  
Partner Account Executive  
Enel North America  
[robert.quinlan@enel.com](mailto:robert.quinlan@enel.com)