



SUSTAINABILITY  
2024 **YEAR IN REVIEW**

NORTH AMERICA

# Welcome from our CEO

2024 was an important year for Enel North America, one that underscored both the progress we have made and the direction we are headed.



**Michele Di Murro**  
CEO, Enel North America

I have been part of the Enel Group since 2010 and witnessed the impressive growth of this organization. This is an important chapter in our evolution, and I see great things for our future.

We achieved milestones in 2024 that strengthened our position as one of North America's largest clean energy companies. In March, we **surpassed 10 gigawatts (GW)** of installed wind and solar capacity across the U.S. and Canada. Scale matters because it allows us to reliably power modern life, provide stability for the grid and support businesses and institutions in reaching their decarbonization targets.

The year also marked Enel's continued leadership in flexibility. We manage a nationwide virtual power plant portfolio that leverages advanced demand response and storage to provide flexible, reliable capacity when grids need it most. With nearly 5 GW of demand response under management, Enel helps avoid outages and strengthen energy resilience while making the transition to renewable power more affordable.

Our growth has always been realized with a strong commitment to environmental sustainability and community engagement. In 2024, we **signed the largest solar grazing agreement** in the United States, bringing more than 6,000 sheep to graze across 10,000 acres of solar projects. This innovative approach supports local farmers, enhances natural landscapes and shows how renewable energy infrastructure can create shared value for surrounding communities. The impact of our partnership with Texas Solar Sheep was so significant that it was named one of **Fast Company's World Changing Ideas**.

We also sharpened our focus on renewables and demand response. These core businesses are where our expertise and scale make the greatest difference for customers and communities, and they are the foundation for our future growth.

I am excited for what lies ahead. With a

dedicated team, a clear plan and a rich history across nearly 25 years in the region, I am confident Enel North America will continue to provide solutions that decarbonize responsibly, strengthen communities and contribute to a reliable and sustainable energy future for all.



# Products and solutions



## Utility-scale renewables

Our renewables portfolio supplies major utilities, businesses and institutions, helping them power critical infrastructure and reach their clean energy goals. By the end of 2024, we surpassed 11 GW of installed wind and solar capacity across 83 plants in nine U.S. states and one Canadian province. Backed by 115 power purchase agreements (PPAs) with 67 unique customers, our scale delivers reliable clean power through agreements that are tailor-made for our end users' cost and risk profiles.

## Demand response

In 2024, our demand response portfolio grew to 4.8 GW of capacity across more than 10,800 sites in 31 states and two Canadian provinces. We operated 81 programs across nine ISOs, including 11 bilateral agreements with utilities, showing the depth of our partnerships across the continent. Our virtual power plants (VPPs) now aggregate resources at unprecedented scale, making demand response function like a dispatchable clean power plant.

Customers responded to 664 demand response events in 2024, relieving the grid with over 16,000 MWh of curtailment.

That's fast-acting flexibility that supported communities during heat waves, winter storms and other periods of grid stress. For participants, it also meant new revenue streams for their flexibility, a clear example of how demand response creates value on both sides of the meter.

## Energy and commodity management

Over nearly 25 years, we've carefully built America's fourth-largest renewables portfolio into a bedrock of the clean energy economy. Along the way, our team has set the benchmark of excellence in development, construction, operations and energy management. Our expertly managed projects help power modern life and reliably deliver the clean power our customers need.

Our energy and commodity management desk trades across six power markets to deliver integrated clean-energy solutions. We provide wholesale market access and intelligence for our customers to support their long-term financial and environmental sustainability.

### 2024 highlights

**11+ GW**

wind & solar capacity



**4.8 GW**

demand response capacity



**83**

wind/solar/storage/hybrid plants (in operation or under construction)



**664**

demand response events delivering 16,219 MWh of grid relief



# Defining double materiality

In 2024, Enel North America conducted a double materiality analysis, working in line with best practices and Enel Group regulatory requirements. Enel North America continues to integrate sustainability into its business model, examining both financial and non-financial impacts, risks and opportunities to ensure our strategy reflects the issues that matter most to stakeholders and to our business.

For readers interested in the full scope of the assessment, including methodology and global results, [view the Enel Group's 2024 integrated report](#).

## Material topics

ENVIRONMENTAL	<b>CIRCULAR ECONOMY</b> • New life cycles	<b>AIR, WATER &amp; SOIL QUALITY</b> • Pollution reduction	<b>PRESERVATION OF BIODIVERSITY &amp; ECOSYSTEMS</b> • Protecting biodiversity • Mitigation of impacts on natural heritage • Soil management	<b>CLIMATE CHANGE</b> • Mitigation: reducing direct GHG emissions (Scope 1) • Reducing GHG emissions of services and products to customers • Adapting to climate change	<b>WASTE</b> • Non-hazardous waste • Hazardous waste
	<b>CUSTOMER CENTRICITY</b> • Solutions dedicated to customer needs • Quality of customer relations	<b>ENGAGING LOCAL &amp; GLOBAL COMMUNITIES</b> • Listening to communities • Supporting the social and economic development of communities	<b>HEALTH &amp; SAFETY</b> • Worker health • Worker health and safety • Health and safety of workers of contractors operating on Enel sites	<b>SUSTAINABLE SUPPLY CHAIN</b> • Contract execution • Qualification of suppliers and contracting firms • Tendering of suppliers and contracting firms	<b>PEOPLE MANAGEMENT</b> • Benefits and wellness programs • People development • Equal treatment and opportunities for all
GOVERNANCE	<b>BUSINESS CONDUCT &amp; ETHICS</b> • Tax transparency • Legal disputes	<b>SOUND GOVERNANCE</b> • Governance and advocacy for nature • Governance and advocacy for climate			
CROSS	<b>RESILIENT GRIDS</b> • Operational management of grids	<b>ECONOMIC VALUE CREATION</b> • Capital balance and soundness • Long-term value creation strategy • Long-term value distribution strategy	<b>DIGITAL TRANSFORMATION</b> • Cyber security		

## Stakeholder involvement

We follow a structured, continuous process, beginning at the earliest stages of a project's development and continuing throughout its life cycle, providing:

1. context analysis and stakeholder mapping
2. proactive consultation
3. continuous dialogue
4. listening and feedback channels

Enel North America promotes a continuous, active and open dialogue with its stakeholders, through numerous listening and engagement initiatives, both direct and indirect, in order to understand their point of view on sustainability issues, their expectations and any feedback, to evaluate actions to be implemented, including the definition of sustainability projects and initiatives.



# Environmental



Azure Sky Solar is a utility-scale solar-plus-storage project in Haskell County, Texas, that pairs a large photovoltaic plant with a grid-charging battery to deliver reliable clean power and added flexibility. It earned the Gold designation for generating clean energy while reducing construction waste,

supporting local agriculture, protecting natural resources, and prioritizing long-term sustainable management practices.

**Capacity:** 284 MW solar (~700,000 bi-facial panels) plus 95 MW / 116 MWh BESS

**Output:** more than 586 GWh/year;

**Impact:** more than 386,000 t CO<sub>2</sub>e/year avoided (equivalent to 55,000+ homes' electricity use)

## 2024 highlights

**12.9 GW**

wind, solar and storage capacity



**9,899,653**

metric tons of CO<sub>2</sub> equivalent avoided



**5,123**

acres of dual-use solar



## Climate change

We continue to enable and accelerate decarbonization, aligning with our global commitment to zero emissions by 2040. In 2024, our clean power portfolio reached 12.9 GW of wind, solar and storage capacity, adding to greater grid reliability and reduced emissions from operations. Environmental sustainability remains a pillar of how we design, operate and continually improve projects across North America.

## Preservation of biodiversity and ecosystems

We aim to protect and enhance biodiversity and the environment throughout project design and operations. From vegetation management and agrivoltaic practices, to sustainable supply chain initiatives across our fleet, we are committed to protect the environment and natural resources. In 2024, Enel Group published an updated **Environmental Policy**, further reinforcing our leading position. Also, our Azure Sky solar-plus-storage project earned an Envision Gold rating from the Institute for Sustainable Infrastructure, the first renewables hybrid plant and largest solar project to receive an Envision rating.

**“Sustainability drives our business model and growth. We’re making progress by accelerating decarbonization, enabling our customers to achieve their clean energy goals, and creating value for the communities we serve.”**

**Michele Di Murro**  
CEO, Enel North America

# Social



Enel North America's people are driven by the Enel Group core values:

Trust

Innovation

Proactivity

Flexibility

Respect

## 2024 highlights

**27,283**

community beneficiaries



**\$1.5 million**

dedicated to community sustainability initiatives



**125**

unique community-based organization partners



## Health and safety

Our number one priority is the health and safety of our people. As part of a broader commitment to respecting human rights, we are committed to maintaining a robust safety culture in order to ensure a healthy and hazard-free environment for everyone who works for and with us, as well as for the communities around us.

## Engaging local and global communities

We take a community-first approach in all that we do. We invest in community-based organizations and our employees actively engage through volunteer programs and partnerships with schools, emergency response, workforce initiatives and local non-profits. In 2024, Enel North America dedicated \$1.5 million to community-based sustainability projects, positively impacting more than 27,000 beneficiaries. These efforts embody our values that sustainable companies and thriving communities go hand-in-hand.

## Sustainable supply chain

We manage our supply chain sustainability by responsibly procuring goods, services and work, and integrating environmental, safety and sustainability criteria. This includes rigorous qualification of suppliers and contractors, across technical, economic/financial, environmental, safety, human rights, legal, ethical and reputational requirements.

# Governance



### Commitment to human rights

Respect for human rights is the common thread that guides our activities and is fully integrated into our purpose and corporate values, as we are part of the community and a relevant component in the lives of people, companies and society as a whole. Enel North America adheres to regulations like the Canadian Modern Slavery Act and requires adherence to internally-recognized standards and principles from contractors, suppliers, business and financial partners.

### 2024 highlights

**96%**  
anti-bribery employee training



**100%**  
sites adopted sustainable operating models and practices



**100%**  
of suppliers assessed for social, environmental, health, safety and human rights



### Sound governance

Enel's corporate governance rules constitute a fundamental framework to ensure efficient and successful management. They also serve as a reliable control tool for our activities, helping to create value for all stakeholders.

### Business conduct and ethics

Our Code of Ethics expresses our commitments and ethical responsibilities in conducting business by regulating and harmonizing corporate conduct according to standards of transparency and integrity toward all stakeholders. We are fully committed to preventing bribery and to conducting business ethically, including upholding standards related to human rights.

To uphold human rights in our work, we have made clear public commitments that we seek to embed across our entire value chain and areas of operations. To mitigate potential impacts, we carry out robust due diligence and provide access to remedy.



# Cross



“Enel has been very easy to work with and handled any issues quickly. In addition, they have structured a program and payment terms that make our participation [in demand response] very easy to manage.”

**Mehu Patel**

Executive Director of Operations,  
Orange County Water District

### 2024 highlights

**28.9 TWh**

in energy management services



**12.9 GW**

of assets under management



**115**

signed with 67 unique customers  
across multiple sectors



### Resilient grids

Grid resilience is central to Enel North America’s mission to deliver reliable, sustainable energy. Our operations of solar, wind, and battery storage provide flexible, distributed resources that maintain supply, support peak demand, and create a more adaptive, reliable grid.

Our demand response solutions enable thousands of businesses to become active grid participants, supporting reliability while earning revenue, and reducing stress on the grid during peak periods.

### Digital transformation

Capturing the power of digital technology is how we continue to operate safely and reliably, and provide innovative solutions to our customers.

### Economic value creation

Our investments unlock economic, environmental and social benefits for businesses and individuals across the value chain. By integrating health, safety and sustainability into everything we do, we maximize long-term value creation for all stakeholders.



# Thank you

For questions or comments, please contact:  
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