



POWERING PROGRESS

SUSTAINABILITY STARTS HERE

For nearly 30 years, EDF Renewable Energy has dedicated its efforts to creating a sustainable energy economy through the deployment of renewable energy resources.

We are experts in all areas of project development, operations, and management including: site selection, project design, procurement of equipment, financing, permitting, construction, long-term management, operations and maintenance, project de-commissioning and repowering.

In addition to our expertise in wind and solar energy, we have experience and development activity in a variety of promising alternative sources of energy, including but not limited to: hydro, energy storage, offshore wind, marine, biogas, biomass and geothermal.

A photograph of a wind farm in a field of wildflowers. Two large wind turbines are visible in the background against a clear blue sky. The foreground is filled with a dense field of purple and yellow wildflowers. A green rectangular box is overlaid on the bottom right of the image, containing the text 'GENERATING CLEAN ENERGY for a sustainable future'.

GENERATING CLEAN ENERGY
for a sustainable future

OUR MISSION

Turning innovative renewable energy ideas and long-term relationships into ethical, high value sustainable business.





EDF Renewable Energy delivers results, from inception to commercial operation. The proof is in the 8 GW of wind, solar, energy storage, biomass, and biogas projects we have developed throughout North America.

■ EXPERTISE

EDF Renewable Energy has significant experience with a variety of wind and solar installations for both utility-scale and commercial applications. We have **developed over 8 GW** of wind, solar, energy storage, biomass, and biogas projects throughout North America. For 30 years, we have built long-standing relationships with key stakeholders, including utilities, corporate buyers, regulatory agencies, and the communities in which we operate, enabling us to expertly navigate the development process, ensuring the successful completion and operation of our projects.

■ INNOVATION

Whether developing a 250 kWp solar project or 300 MW wind project, EDF Renewable Energy streamlines the entire process by consolidating all of the services needed under one roof. We **solve project challenges through innovative solutions**. We manage the project every step of the way, from site selection, permitting, project design, procurement of equipment, financing, construction, to operations and maintenance. As a member of the EDF group, we have access to a **global network of expert engineers, developers, and supply agreements**, enabling us to design and build the most cost-effective energy solutions for your specific site requirements.

■ COMMITMENT

We proudly stand behind our installations and our name. We believe every installation is the beginning of a lasting partnership. Our project development, operations, and finance experience means we deliver the most trustworthy energy systems with the capabilities to support the projects with long-term management. Our Operations and Maintenance Team has over 10 GW of renewable energy under contract. Not only do we ensure the successful development of our projects, but we **ensure long-term profitable operations**. As a part of the EDF group, we are backed by the leading utility in the world, and have the resources, experience, and balance sheet to develop, construct, and operate utility-scale renewable energy solutions.

PROJECT DEVELOPMENT EXPERTISE AT EVERY PHASE

PROJECT DEVELOPMENT TEAM

The EDF Renewable Energy Project Development team is dedicated to creating value by managing projects from origination through commercial operation. Initial efforts involve identifying potential project sites, establishing business relationships with landowners, and securing permits and transmission rights. As the project progresses, our team executes all contracts, secures financing, procures equipment, and assures timely construction for full operation.

CREATING VALUE
from Origination through Commercial Operation



→ ORIGATION

EDF Renewable Energy engages in a rigorous process to identify and evaluate the potential of prospective sites, taking into account the energy resource, transmission, interconnection, permitting and environmental concerns. A comprehensive analysis is conducted to identify any issues or site concerns that may jeopardize the project progression. Our meticulous standards ensure only the **best suited sites are selected**. This includes initial site evaluation, resource assessment, and technical and structural analysis.

→ DEVELOPMENT

During the development phase, EDF Renewable Energy engages in **permitting, site design, and technology selections**. With strategic investments and global supply agreements, we have access to a variety of technologies, ensuring the best solution for each installation.

Once a site is identified, EDF Renewable Energy begins a thorough site evaluation protocol. Our Resource Assessment Group performs rigorous technology, resource, and equipment analysis and evaluation. This critical information is used to determine the optimal site design and equipment selection to maximize project output and performance. At the same time, land is acquired, interconnection rights and necessary permits are secured, and environmental and technical studies are performed according to best-of-class development practices.

→ TRANSACTION

During the transaction phase, the Valuation and Transaction team secures a Power Purchase Agreement or Direct Sale Agreement. Concurrently, EDF Renewable Energy executes strategic supply agreements to secure all the necessary equipment for project construction and selects a construction contractor. Our Project Finance team has closed over **\$6.75 billion** in financing facilities.

→ CONSTRUCTION

During the construction period, the Construction Group oversees and implements all aspects of the **system design, installation, and construction** to ensure a quality build. Because every project is unique, extensive experience is applied to optimize every segment of the project. Strict management of engineering, procurement, transportation, logistics, and construction ensures projects are completed safely, on-time and on-budget.

→ DEVELOPMENT & SALE OF STRUCTURED ASSETS

In addition to owning projects, EDF Renewable Energy sells equity stakes in renewable projects to various investors through the Development and Sale of Structured Assets Program.

Recent partners include utilities, infrastructure funds, pension funds, and strategic investors looking to **diversify their holdings by adding renewable energy assets to their portfolio**.



COMPLETE TURNKEY SOLUTIONS

tailor made for corporate purchasers

POWER PURCHASE AGREEMENTS

Corporations are increasingly looking for ways to mitigate the long-term volatility risk of their energy costs.

One of the most effective methods is by signing a renewable energy Power Purchase Agreement (PPA). Investing in renewable energy is a preferred opportunity by leading corporations, universities and institutions that allows them to meet their sustainability goals.

EDF Renewable Energy's origination team has worked with companies like Yahoo!, Microsoft, Procter & Gamble, Walmart, Salesforce and Google to lock in power prices, hedging against the volatility of fossil fuel prices.

OPERATIONS & MAINTENANCE

the trusted leader to maximize project performance

EDF Renewable Services understands your renewable energy project is a substantial investment, and once operating, requires strategic management to optimize your return on investment. **Operations and maintenance service is our core business.** With over 10 GW under contract, EDF Renewable Services has the infrastructure, experience, and expertise to fully optimize, maximize, and analyze your plant's performance and profitability. The team ensures ongoing profitability for project owners and investors by providing a full range of services, from consulting to spare parts procurement.

As part of a global organization with utility-scale wind, solar and biomass across Europe and North America, we partner closely with our European affiliate, EDF EN Services to leverage global synergies and procurement partnerships. By choosing EDF Renewable Services as your O&M provider, you are choosing a partner with a proven history of successful project performance, who brings an owner-operator sensibility to all projects. We treat third-party projects as if they were our own, with the knowledge, expertise, and proficiency of 30 years as the industry leader.



ENSURING PERFORMANCE AFTER INSTALLATION

■ PROFITABILITY

EDF Renewable Services ensures ongoing profitability for project owners and investors by providing a full range of expertise, from consulting to spare parts procurement. We have a breadth of experience, servicing over 38 different technology types, and more than 10 GW of power under contract.

■ AVAILABILITY

EDF Renewable Services is fully equipped to manage the balance-of-plant and to perform all required services for your renewable energy project. We ensure all installation work conforms to the owner's direction, manufacturer's instruction, equipment requirements, and industry best practices to optimize project availability.

Our full range of services include pre-commissioning support and balance-of-plant services and equipment service both during and after the warranty period including scheduled and unscheduled maintenance options. Our team provides the highest quality maintenance services by highly trained EDF Renewable Services technicians continuously performing under stringent safety standards.

■ PERFORMANCE

EDF Renewable Services provides a full spectrum of project management and administration functions, including accounting services, contract management, parts procurement, inventory control, and engineering analysis to maximize the life of the project.

MAXIMIZED PERFORMANCE WITH ASSET MANAGEMENT

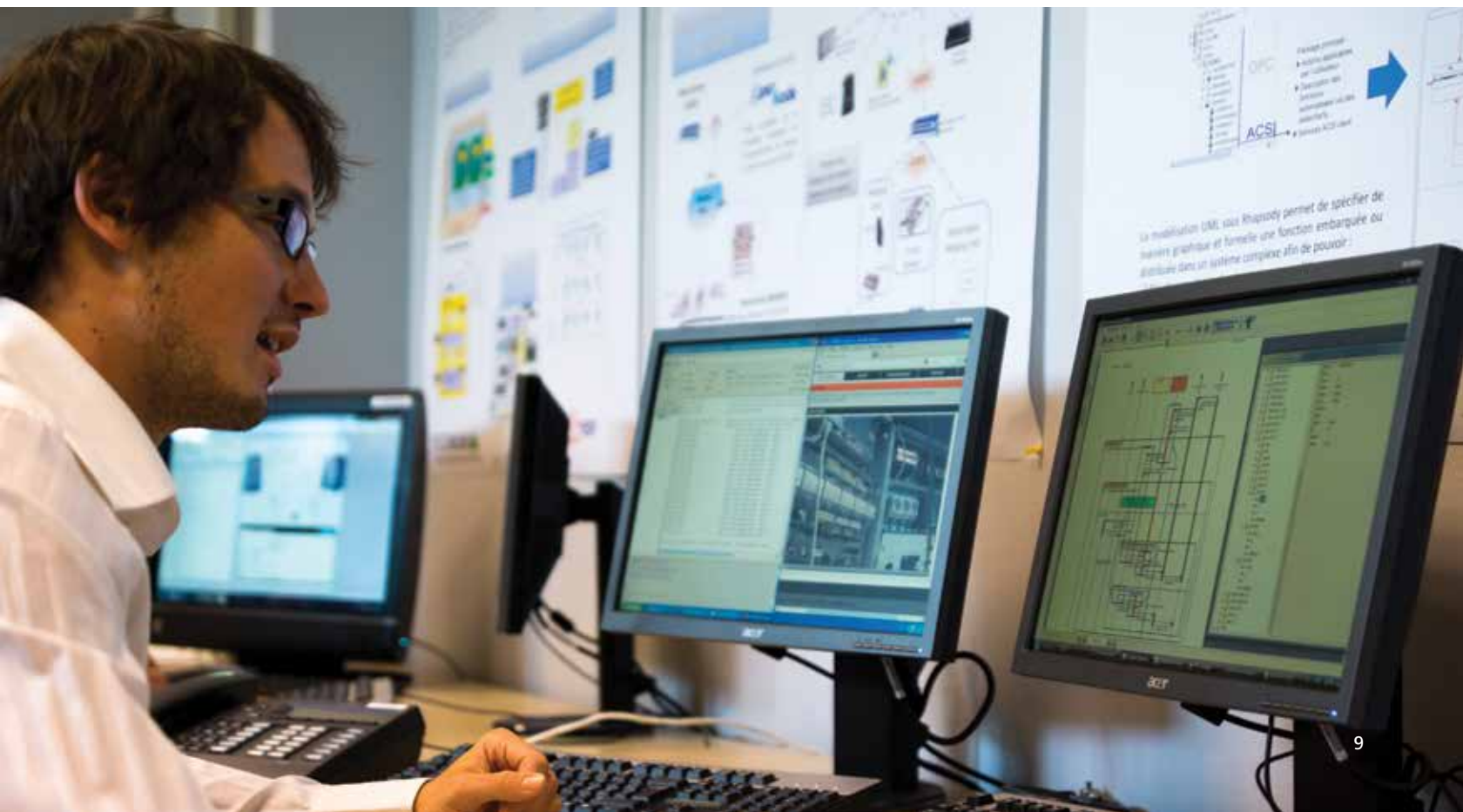
EDF Renewable Services Asset Management Group recognizes the management of physical assets is key to long-term operational performance and delivers the expertise that owners need to make value-driven decisions to optimize the lifecycle performance and profitability of a project.

As an owner's representative, we provide oversight of wind and solar projects by managing the projects and their commercial agreements to optimize returns over the project's lifecycle.

Early involvement of the group in the project development process allows for timely input regarding optimum equipment selection, operational requirements and environmental and regulatory issues.

- Commercial agreement management
- Operational oversight
- Financial management
- Business reporting
- Project performance forecasting
- Monitor and implement federal, state, and local policy and permit requirements

**Strategic management to
optimize your return on investment**





INTEGRATED TECHNOLOGY

at the Operations Control Center

ADVANCED TECHNOLOGY TO INCREASE REVENUES

EDF Renewable Services provides critical 24/7/365 remote monitoring, diagnostics, and troubleshooting from its state-of-the-art Operations Control Center (OCC), increasing equipment availability, minimizing downtime and reducing operational and maintenance costs.

The OCC combines control center, SCADA and O&M auxiliary services into a technical services hub, with a “One Touch” integrated front-end monitoring system to improve response times and more effectively track key performance indicators.

The OCC is equipped with scalable technical infrastructure with component redundancy capable of disaster recovery, mitigating risk and managing compliance. This enhances the OCC’s ability to monitor and diagnose plant performance and to provide additional sophisticated O&M services.

The OCC uses advanced technology to optimize equipment availability and profitability, increasing customers’ revenue around the clock.

Standard and Advanced Service Options for Flexible Solutions

We understand the need for flexible solutions. From our Standard Services or Advanced Services offerings, we have a breadth of experience that guarantees we create the optimized solution for your assets’ needs. That’s why our world-class services organization partners with customers to develop comprehensive service solutions:

■ Standard Services

- 24/7/365 remote monitoring
- Fault notification & remote resets
- Technician/EMS dispatch notification
- Curtailment management

■ Advanced Services

- SCADA support
- Balance of plant
- Performance monitoring
- NERC compliance support

Maximized Revenue

The Operations Control Center responds in real-time to site issues and customer needs, decreasing downtime, increasing site availability and thus yield, resulting in maximized revenues and profitability.

Collaborative Troubleshooting

Specialists at the OCC work in collaboration with the customer, looking at operation and performance issues to ensure the plant equipment is operating to full function.

Customized Reporting

Daily and monthly operational assessment reports provide a record of key operating parameters and significant operational events, trends and anomalies. This data is summarized to assist with the identification of performance shortfalls and the planning of maintenance activities.

Reliability

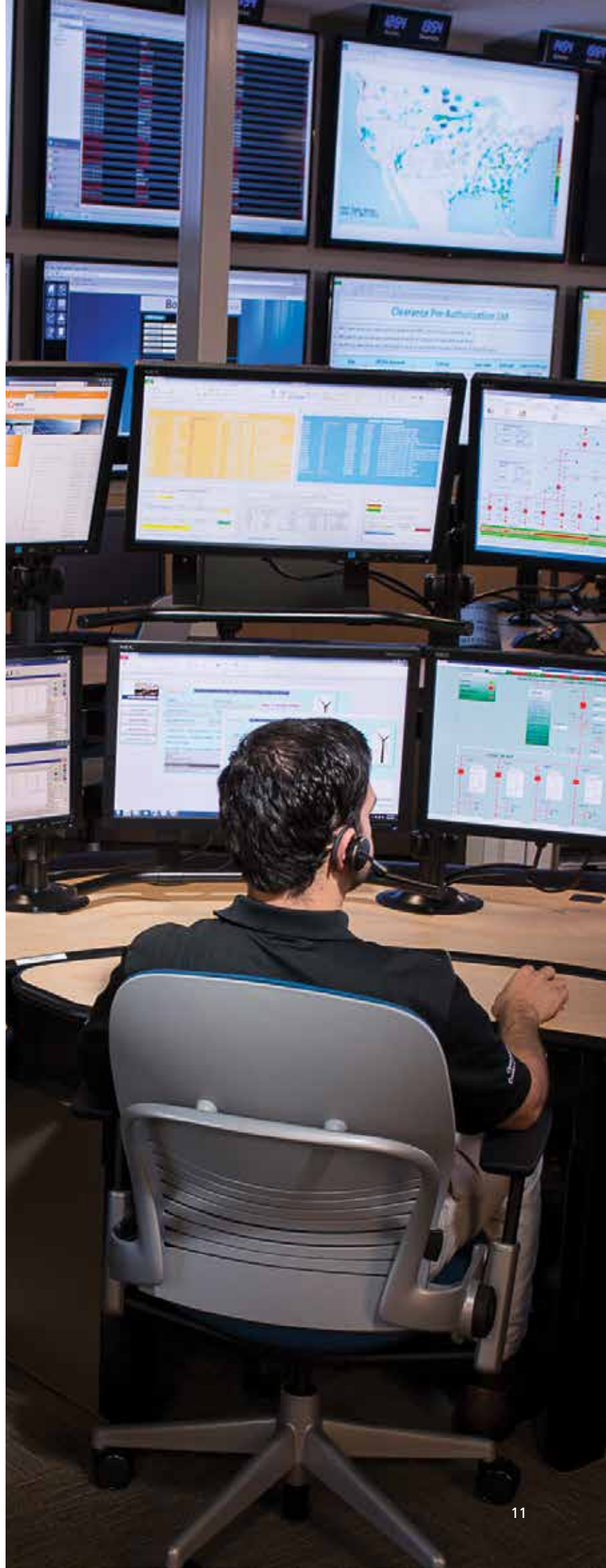
EDF Renewable Services' OCC monitoring and documentation reporting provides confidence that the project is operating at maximum efficiency and fully compliant with reliability standards.

Safety

The robust clearance management system ensures the safety of technicians and avoids damage to project site assets.

Expertise

EDF Renewable Services has been an O&M provider for 30 years, bringing decades of expertise to plant operations. As an owner/operator, we understand the opportunities and challenges faced every day in the renewable energy business.



NORTH AMERICAN ACTIVITIES

2015

Carroll Area | 20 MW
IOWA

Longhorn North | 200 MW
TEXAS

Milo | 49.65 MW*
NEW MEXICO

Mont Rothery | 74 MW
QUEBEC, CN

Pilot Hill | 175 MW
ILLINOIS

Riviere du Moulin | 350 MW
QUEBEC, CN

Roosevelt | 250 MW
NEW MEXICO

Slate Creek | 150 MW
KANSAS

Spinning Spur III | 194 MW
TEXAS

Catalina Solar 2 | 25 MWp
CALIFORNIA

Cottonwood | 32.6 MWp*
CALIFORNIA

Heartland | 20 MW*
COLORADO

McHenry | 20 MW
ILLINOIS

2014

Blackspring Ridge | 300 MW
ALBERTA, CN

Hereford | 200 MW
TEXAS

La Mitis | 24.60 MW
QUEBEC, CN

Le Granit | 24.60 MW
QUEBEC, CN

Santo Domingo | 160 MW
OAXACA, MX

Spinning Spur II | 161 MW
TEXAS

Two Dot | 10 MW
MONTANA

Windhorst 2 | 68 MW
TEXAS

Lancaster | 5.96 MWp
MASSACHUSETTS

Lepomis | 5.97 MWp
MASSACHUSETTS

CID | 27.2 MWp
CALIFORNIA

2013

Bii Stinu | 164 MW
OAXACA, MX

Lac Alfred Phase 2 | 150 MW
QUEBEC, CN

Lundgren | 250 MW
IOWA

Catalina Solar | 143.2 MWp
CALIFORNIA

Massif du Sud | 150 MW
QUEBEC, CN

Pinelands | 40 MW
SOUTH CAROLINA

2012

Blackwell | 60 MW
MONTANA

Bobcat Bluff | 150 MW
TEXAS

Lac Alfred Phase 1 | 150 MW
QUEBEC, CN

Pacific Wind | 140 MW
CALIFORNIA

Patton | 30 MW
PENNSYLVANIA

Saint-Robert-Bellarmin | 80 MW
QUEBEC, CN

Shiloh IV | 102.5 MW
CALIFORNIA

Spearville 3 | 100.8 MW
KANSAS

Spinning Spur I | 161 MW
TEXAS

Eastern Long Island | 12.82 MWp
NEW YORK

Pukana | 0.89 MWp
HAWAII

2011

Chestnut Flats | 38 MW
PENNSYLVANIA

Lakefield | 205.5 MW
MINNESOTA

Shiloh III | 102.5 MW
CALIFORNIA

Bellevue | 1.66 MWp
OREGON

Matrix | 2.86 MWp
NEW JERSEY

RPI 100/400 | 0.68 MWp
NEW JERSEY

St. Isidore A/B | 24.0 MWp
ONTARIO

Yamhill | 1.19 MWp
OREGON

2010

La Mata / La Ventosa | 67.5 MW
OAXACA, MX

Linden | 50 MW
WASHINGTON

Nobles | 201 MW
MINNESOTA

Spearville 2 | 48 MW
KANSAS

Elmsley East/ West | 24.0 MWp
ONTARIO, CN

Pocono Raceway | 3.0 MWp
PENNSYLVANIA

Steven's Institute | 0.20 MWp
NEW JERSEY

Beacon | 50 MW
PENNSYLVANIA

2009

Crane Creek | 99 MW
IOWA

Hoosier | 106 MW
INDIANA

Shiloh II | 150 MW
CALIFORNIA

Arnprior | 23.4 MWp
ONTARIO, CN

Bayshore | 0.68 MWp
NEW JERSEY

Belle Mead | 1.81 MWp
NEW JERSEY

Halls Warehouse | 1.80 MWp
NEW JERSEY

2008

Grand Meadow | 100.5 MW
MINNESOTA

Wapsipinicon | 100.5 MW
MINNESOTA

Goodnoe Hills | 94 MW
WASHINGTON

Black River Farms | 0.14 MWp
NEW JERSEY

Sacramento Soleil | 1.25 MWp
CALIFORNIA

Sun Harvest | 0.25 MWp
CALIFORNIA

2007

Fenton | 205.5 MW
MINNESOTA

Pomeroy | 198 MW
IOWA

2006

Spearville I | 100 MW
KANSAS

Hawi | 10.6 MW
HAWAII

EDF RE V | 9 MW
CALIFORNIA

2005

Century | 150 MW
IOWA

PdV (Manzana) | 300 MW
CALIFORNIA

Shiloh I | 150 MW
CALIFORNIA

2004

Oasis | 60 MW
CALIFORNIA

2003

Chanarambie | 86 MW
MINNESOTA

Viking | 12 MW
MINNESOTA

2001

Moulton | 2 MW
MINNESOTA

Champepadan | 2 MW
MINNESOTA

Peetz | 30 MW
COLORADO

Hoosac | 30 MW
VERMONT

2000

Buffalo Mountain | 2 MW
TENNESSEE

Chandler | 2 MW
MINNESOTA

■ WIND
■ SOLAR
■ BIOENERGY
■ BATTERY STORAGE

*Construction ongoing in 2016

OPERATIONS & MAINTENANCE

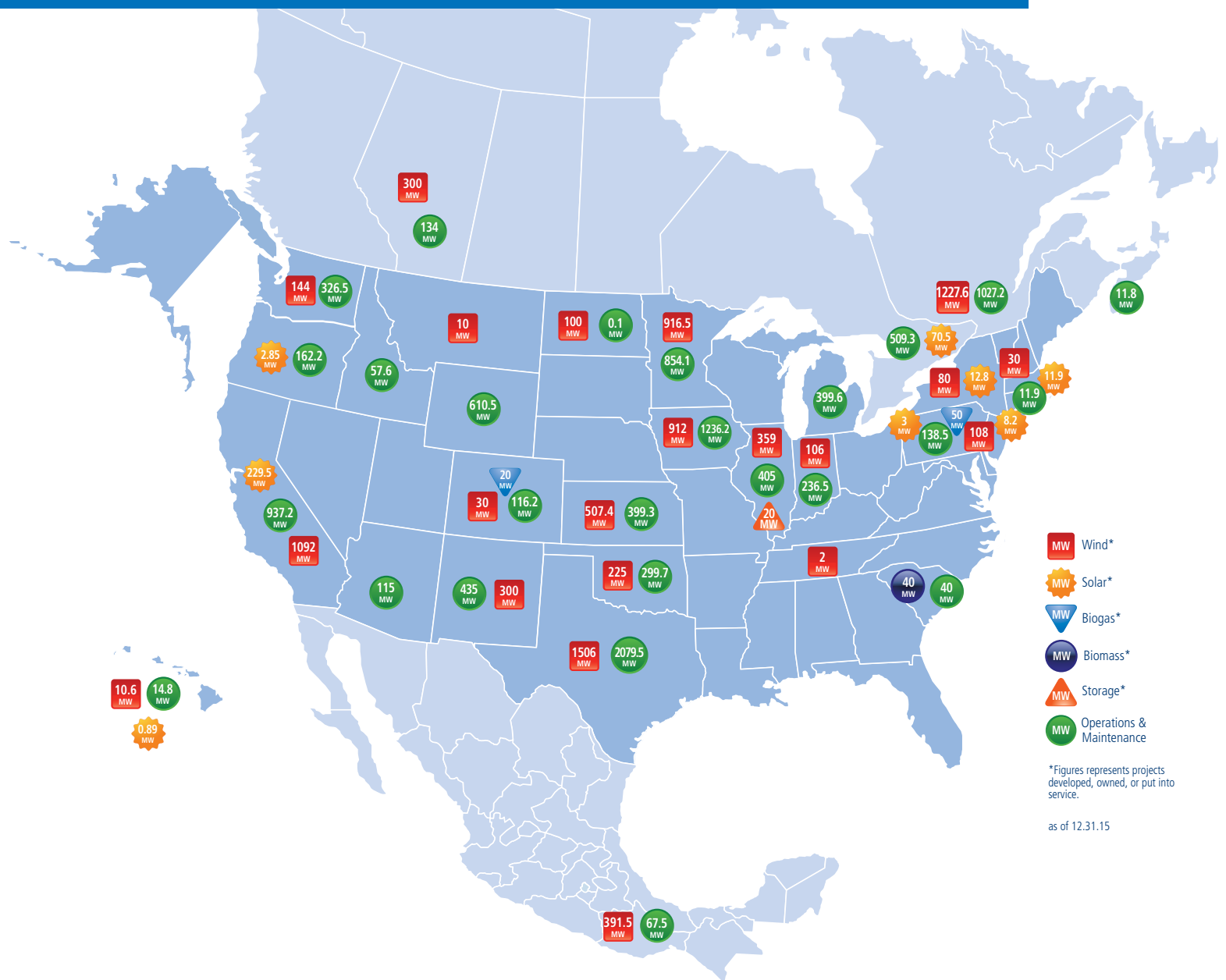
UNITED STATES	MEGAWATTS	CANADA	MEGAWATTS
Arizona	115.0	Alberta	134.0
California	1025.2	Québec	1,027.2
Colorado	116.2	Nova Scotia	11.8
Hawaii	14.8	Ontario	509.3
Idaho	57.6		
Illinois	405.0	MEXICO	67.5
Indiana	236.5	EUROPE*	
Iowa	1236.2	Belgium	18.0
Kansas	399.3	France	1526.2
Maryland	50.0	Germany	400.0
Massachusetts	11.9	Greece	170.1
Michigan	399.6	Italy	598.7
Minnesota	854.1	Poland	84.0
New Mexico	435.0	UK	394.6
North Dakota	0.1		
Ohio	1.2		
Oklahoma	610.5		
Oregon	162.2		
Pennsylvania	138.5		
South Carolina	40.0		
Texas	2,079.5		
Washington	326.5		
Wyoming	610.5		

31 December 2015

*Through European affiliate, EDF EN Services



PRESENCE IN NORTH AMERICA



- MW Wind*
- MW Solar*
- MW Biogas*
- MW Biomass*
- MW Storage*
- MW Operations & Maintenance

*Figures represents projects developed, owned, or put into service.

as of 12.31.15

DEVELOPED

7.8 GW

OPERATIONS & MAINTENANCE

10.7 GW

PUT INTO SERVICE

6.7 GW

DIRECTORY OF OFFICES

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BUSINESS DEVELOPMENT

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EDF Energies Nouvelles is a leading renewable energies company. A world-class player in the green electricity generation market, EDF EN operates in 20 countries with a gross installed capacity of over 9.1 GW worldwide.

With wind and solar energy as its two principal engines of growth, the Group is also active in other segments, including marine energy, biomass, biogas, and distributed energy.

EDF Energies Nouvelles is a subsidiary of the EDF group, one of the largest energy companies in the world. EDF Renewable Energy is the U.S. subsidiary of EDF Energies Nouvelles.



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