DELIVERING ENERGY RESILIENCE WITH SUSTAINABLE ENERGY SOLUTIONS
EDF RENEWABLE ENERGY AND THE EDF GROUP

As leaders in the global energy market, EDF Renewable Energy and the EDF group develop, construct, own and operate a diverse portfolio of energy projects in North America and Europe with projects in 25 states and 22 countries. The team is experienced in all energy technologies and services, including renewable and traditional generation, energy distribution and transmission, energy efficiency, and commodity procurement services. With extensive expertise, EDF uses a collaborative approach to customize holistic energy solutions that deliver the best long-term value to customers. EDF Renewable Energy is a subsidiary of EDF Energies Nouvelles. EDF Energies Nouvelles is the renewable energy arm of the EDF group.

With over 5,900 megawatts (MW) of renewable energy developed in North America, EDF Renewable Energy is at the forefront of the expanding renewable energy industry. EDF Renewable Services’ Operations and Maintenance group (O&M) services over 9,400 MW of renewable energy projects throughout the U.S., Canada and Mexico. EDF Trading procures commodity energy for over 2,000 MW of peak load and their environmental products desk manages Renewable Energy Credits (RECs) and other products.

EDF R&D’s North American headquarters in Palo Alto has established strong relationships with energy stakeholders in the U.S. including Massachusetts Institute of Technology; University of California, Berkeley; Edison Electricity Institute and Electric Power Research Institute. EDF Optimal Solutions has developed, implemented, and managed over 20,000 energy-efficiency agreements for commercial customers, educational institutions, and hospitals. EDF has a proven track record as a solutions integrator and operator with a presence that spans the entire energy value chain.

EDF Renewable Energy is uniquely positioned as an entrepreneurial and agile developer with 28 years of experience in the North American market and access to the Group’s 2,000 engineers and scientists, an international workforce of over 160,000, and the financial strength of one of the largest utility companies in the world. With 140 GW of worldwide generation, $80 billion in annual revenue, an R&D budget approximately twice that of ARPA-E, and a global presence generating more than 640 terawatt-hours (TWh) of electricity, EDF is the ideal partner for implementing holistic long-term energy solutions.

Our Mission

Turning innovative renewable energy ideas and long-term relationships into ethical, high-value sustainable business.
EDF has a knowledgeable team of specialists available at every stage of the project lifecycle to help its clients achieve their long-term energy goals. With 28+ years of market experience in North America, more than a half century of global experience, and involvement in all aspects of the energy market from R&D to energy management, EDF has the insight and expertise to recognize and evaluate changes in the market, to mitigate unforeseen market risks, and to provide stability. The financial stability of one of the largest energy companies allows EDF Renewable Energy to confidently commit to developing strong long-term relationships and partnerships in developing and implementing each customer’s energy programs. For example, utilizing balance sheet to avoid expensive construction debt results in a low cost of capital and competitive pricing. During the last 5 years, EDF Renewable Energy has invested more than $1 billion in its projects.

EDF’s extensive expertise spans all aspects of the energy market, providing the unique insight to recommend and implement its customers’ comprehensive energy solutions that incorporate renewable energy, traditional energy, energy efficiency and resiliency.

Project objectives can range from enhancing resiliency, decreasing costs, improving efficiency, or managing and operating energy systems.
ENERGY AS A SERVICE

With expertise across the entire energy value chain, EDF can service every aspect of a customer’s energy needs. From renewable energy generation, to electrical distribution, to energy efficiency, EDF can tailor integrated solutions to improve system efficiencies, enhance resilience, and lower energy costs. As a single entity responsible for all energy requirements, EDF takes a holistic approach to designing enhanced performance and reliability while reducing inefficiencies and redundancies.

COMPONENTS OF ENERGY AS A SERVICE

• **Renewable Energy** – EDF Renewable Energy is an industry leader with over 3,100 MWs of installed renewable generation capacity in North America, including solar, wind, biomass and biogas

• **Natural Gas Generation and Combined Heat & Power** – EDF has implemented district energy solutions that incorporate multiple technologies

• **Efficiency** – EDF has implemented over 20,000 energy efficiency projects saving customers over $49 million annually

• **Electric Power Supply** – EDF Trading is ranked among the top ten energy retail service providers in North America

• **Onsite Distribution Networks** – EDF operates the energy infrastructure on the Corsica, Guadeloupe, and La Reunion Islands serving over a million residential customers

• **Operations and Maintenance** – EDF Renewable Services is the leading O&M provider in the U.S. with over 9,400 MW under management

• **Cyber Security** – EDF Renewable Services’ Operations Control Center is a state-of-the-art facility that securely monitors and manages over 6,000 MW of generation across the U.S., Mexico, and Canada, in accordance with NERC protocols

Benefits of working with a single entity for all energy needs:

- Operates the entire energy ecosystem reducing risks and lowering costs
- Provides stability and predictability of future energy pricing
- Access to third-party financing
- Uncovers subtleties in system performance that might otherwise be missed
- Reduces timelines for procurement
- Removes conflicts of interest between multiple contracting parties
- Eliminates redundant administrative, management, and labor costs
- Takes responsibility for operating and maintaining systems
EDF Renewable Energy and the EDF group have approximately 700 MWp of solar assets across North America and Europe. EDF’s experience ensures effective design, successful implementation, and optimal sizing to meet the customer’s objectives and consumption patterns. Our solar energy O&M portfolio encompasses a range of technology types and includes nearly 2.7 million panels and 673 inverters. With subject matter experts and 28 years of experience, EDF can tailor solar applications to meet each customer’s specific needs for utility scale, carport, or rooftop solar applications.

**Solar Benefits**

Solar is well-suited to meeting peak loads when energy is typically most expensive. Solar is an excellent complement to base load generation and can be developed as one of the first components of a microgrid.

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>SIZE</th>
<th>LOCATION</th>
<th>TYPE</th>
<th>FACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATALINA SOLAR</td>
<td>143.2 MWp</td>
<td>Kern County, CA</td>
<td>Utility Scale Ground Mount</td>
<td>Built on 900 acres, the project was the 8th largest in the world at the time of construction and offsets 250,000 metric tons of CO₂ annually.</td>
</tr>
<tr>
<td>EASTERN LONG ISLAND CARPORTS</td>
<td>12.82 MWp</td>
<td>Long Island, NY</td>
<td>Commercial Scale Carport</td>
<td>Built for the Long Island Power Authority, the project provides protection for vehicles and requires little environmental mitigation.</td>
</tr>
<tr>
<td>SAFEWAY PUKANA SOLAR PROJECTS</td>
<td>1 MWp</td>
<td>Hilo, HI</td>
<td>Distributed Rooftop Solar</td>
<td>Built in the high wind environment of Hawaii, the building integrated solar system allows Safeway to save approximately $50,000 a year in energy costs.</td>
</tr>
</tbody>
</table>
OFFSITE WIND

Where there are mission constraints on an installation that make onsite wind projects impractical, offsite wind can sometimes be purchased at competitive rates. Offsite wind allows customers to take advantage of stronger wind resources, shorter development timelines and larger project capacities, which frequently lower utility costs.

EDF is a member of the team developing one of the largest offshore wind projects along the coastline of Belgium. The first 30 MW phase began operating in 2009 and a second phase of 295 MW completed construction in July 2013. The company also owns the 62 MW Teeside offshore wind energy project off the U.K. coast, which completed construction in June 2013. EDF’s role in developing and implementing new offshore wind technology represents our critical participation in emerging renewable energy markets worldwide and signifies a promising future for our company as a leader in the wind sector.

**PROJECT PACIFIC WIND PROJECT**
- **SIZE**: 140 MW
- **LOCATION**: Kern County, CA
- **TYPE**: Utility Scale
- **FACTS**: The project for San Diego Gas & Electric Company contributes substantial tax revenue and sustainable jobs to the community, expecting to generate over $324 million in total revenue for Kern County businesses, government, and households.

**SHILOH II WIND**
- **SIZE**: 150 MW
- **LOCATION**: Solano County, CA
- **TYPE**: Utility Scale
- **FACTS**: The project is valued at over $300 million. It provides clean electricity to approximately 74,000 PG&E customers and reduces CO₂ emissions by 327,300 tons per year – the equivalent of removing nearly 60,000 automobiles from the road.

**HOOSIER WIND ENERGY**
- **SIZE**: 106 MW
- **LOCATION**: Benton County, IN
- **TYPE**: Utility Scale
- **FACTS**: The facility produces enough power for 29,000 homes and reduces CO₂ emissions by 286,700 tons per year – the equivalent of removing nearly 55,000 automobiles from the road.
BIOMASS AND BIOGAS

Customers can meet their renewable energy goals by implementing biomass base load facilities which utilize renewable resources. EDF Renewable Energy has worked on green field biomass and biogas development projects as well as retrofitting fossil-fired generation facilities to also run on biofuel. Dual fuel biomass facilities increase energy security by diversifying fuel sources and providing black start capabilities. EDF’s biomass projects further enhance energy resiliency for an installation by providing reliable 24-hour base load energy generation onsite.

In certain scenarios, EDF has expanded the system’s scope by developing waste reclamation facilities that leverage local waste and plant residue as a fuel source, contributing to a zero-waste sustainable community.

Landfill Gas Recovery

EDF Renewable Energy owns and operates two large 50 MW landfill gas (LFG) projects that began commercial operation in 2007. Located in Pennsylvania, the two projects collectively are capable of processing 20 million standard cubic feet per day (the equivalent of about 50 MW) of raw LFG and digester gas.

In recognition of its design and operation, the Greentree LFG Project was awarded Project of the Year by the EPA’s Landfill Methane Outreach Program (LMOP) in 2008.

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>PINELANDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE</td>
<td>35 MW</td>
</tr>
<tr>
<td>LOCATION</td>
<td>Charleston, SC</td>
</tr>
<tr>
<td>TYPE</td>
<td>Biomass</td>
</tr>
<tr>
<td>FACTS</td>
<td>The system runs on locally sourced waste/residue fuel, a byproduct from the logging, sawmill, and pulp and paper industries.</td>
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</table>

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>HEARTLAND</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE</td>
<td>20 MW</td>
</tr>
<tr>
<td>LOCATION</td>
<td>La Salle, CO</td>
</tr>
<tr>
<td>TYPE</td>
<td>Biogas</td>
</tr>
<tr>
<td>FACTS</td>
<td>The system produces up to 4,700 MMBtu of biogas daily, making it one of the largest anaerobic facilities in the U.S.</td>
</tr>
</tbody>
</table>
Cogeneration, or combined heat & power (CHP) facilities achieve efficiency gains by using a single generator to produce electricity and heat for steam, hot water, or chilled water. For facilities with both electrical and thermal loads, CHP systems provide a cost-effective solution. Systems can be centralized for a community or distributed at the building level, providing the ideal foundation for sustainable cities or microgrids. The generators can also take advantage of multiple types of fuel to diversify fuel sources and increase energy security.

EDF has constructed and operated cogeneration plants for industrial, educational, and hospital campuses for more than 17 years. The experience ensures high-quality designs and implementations with EDF’s proven operation and maintenance protocols.

**FUEL CELLS**

Fuel cells are quickly becoming one of the cleanest sources for highly reliable onsite base load generation. With the ability to work in CHP applications, certain fuel cells can serve both steam and electricity loads using a very small geographical footprint. The highly reliable fuel cell technology can be the ideal complement to renewable energy generation in applications with resiliency requirements.

**Benefits of Natural Gas**

- Natural gas plants provide base load power and are an excellent complement to renewable energy projects that provide peak power. This combination brings an installation closer to achieving net-zero goals and/or establishing a microgrid.
- Cogeneration projects provide black start capability for enhanced energy resiliency.
- Natural gas is a cost-effective energy generation solution and, when part of a portfolio approach, can drive down overall energy generation prices for projects with renewable energy components.

**PROJECT FIAT PLANT FOUR FRANCE PROJECTS**

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>TYPE</th>
<th>FACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atessam, Italy</td>
<td>24 MW Combined Heat &amp; Power Plant</td>
<td>EDF designed and installed the $42.5 million project which generates electricity, steam, and cold water to achieve a 12% reduction in energy consumption. EDF is also responsible for all O&amp;M including system measurement and verification on an instantaneous basis by operators to ensure that performance remains at a high level.</td>
</tr>
<tr>
<td>Gonfreville, Lavera, Cerestar and Isergie</td>
<td>400+ MW of Combined Heat &amp; Power Plants</td>
<td>These four 40 - 200 MW industrial combined heat and power plants are the foundations for complex district energy systems that support their local communities with power, steam, and long-term O&amp;M jobs. All facilities include combustion turbines combined with steam turbines and one or more new boilers for low-cost electricity and steam.</td>
</tr>
</tbody>
</table>

**PROJECT PINELANDS HEARTLAND**

<table>
<thead>
<tr>
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</thead>
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<tr>
<td>Charleston, SC La Salle, CO</td>
<td>Biomass Biogas</td>
<td>The system runs on locally sourced waste/residue fuel, a byproduct from the logging, sawmill, and pulp and paper industries. The system produces up to 4,700 MMBtu of biogas daily, making it one of the largest anaerobic facilities in the U.S.</td>
</tr>
</tbody>
</table>
ENERGY EFFICIENCY

EDF is uniquely qualified to support energy efficiency requirements as a top global integrated energy services company. EDF is active in all business areas related to energy efficiency including lighting, HVAC systems, building envelope modifications, control systems, and renewable energy. EDF has executed over 20,000 energy efficiency agreements for clients such as Chrysler and Ferrari as well as 2,000 hospitals, 14,400 educational and athletic sites, and 300 million square feet of commercial buildings. As a result EDF’s clients are saving over $49.6 million annually in energy costs.

Success and Partnership in Energy Efficiency

ROC NOIR | EDF partnered with Dalkia, Chiarodo Maillet, and Girus on a $24 million project to provide energy efficiency solutions to the Military District of Roc Noir, located in the city of Greater Chambery, France. The project evaluated over 446,540 square feet across 30 buildings on the military campus. The analysis revealed that by implementing energy conservation measures such as biomass boilers, solar thermal heating systems, and monitoring and control systems, the group could reduce energy consumption by up to 40% and reduce CO₂ emissions by 50%.

RESULT | EDF financed and implemented energy conservation measures with 45% energy savings guarantee

CAMPUS SUPÉLEC | The 645,000 square foot Supélec Campus is spread over three sites, including the 30 year old campus at Gif-Sur-Yvette. These older facilities were experiencing equipment failures; however, the school could not afford the upgrades. EDF worked with the Supélec team to identify, design, implement, and operate energy conservation measures such as energy management systems, HVAC upgrades, and lighting retrofits through a third-party financing model.

RESULT | ESPC with EDF to guarantee 15% energy savings over 10 years

CITY OF PARIS SCHOOLS | EDF completed a $43 million ESPC with the Heritage and Architecture Department of the City of Paris to upgrade century old classroom buildings in over 100 schools. The optimized solution focused heavily on monitoring and controlling the building’s energy usage with smart meter applications. Building level monitoring allowed the schools to review usage patterns and optimize operations to reduce energy consumption.

RESULT | Energy and carbon consumption reduced by 30% annually
ELECTRIC POWER SUPPLY

EDF Trading currently manages over 25,000 MW of commercial, industrial and aggregated load across the United States with an extremely high customer renewal rate at 90%. As a result, EDF Trading is ranked among the top five power marketers by Platts Power Sales Analysis and was recently awarded the 2012 US Electricity House of the Year by Energy Risk magazine. By offering a wide range of products and services, EDF Trading helps customers minimize their energy costs while actively participating in demand response and coincidental peak management programs.

ONSITE DISTRIBUTION NETWORKS

Operating and maintaining an efficient distribution network is a critical foundation for all energy services. EDF is uniquely qualified to provide these services through its relationship with EDF’s distribution group, Electricité Réseau Distribution France (ERDF) which operates 618,000 km of low voltage lines, 697,000 km of high voltage lines, and 35 million delivery points in metropolitan France. EDF serves approximately 34,000 of the 36,500 towns in France. EDF’s distinctive ability to offer customers generation, consumption, and distribution under a single service ensures that all of the customer’s energy needs are accounted for.

TOULON AND ST. MADRIER CAMPUS, FRANCE  EDF is responsible for the operations, maintenance and management of the distribution infrastructure for the French Department of Defense at the port of Toulon and St. Mandrier. The energy services agreement is executed by a dedicated onsite EDF team that manages two main 63kV electrical stations; five dispatching stations; 173 transformer sub-stations; and 48 mobile units including generating sets, transforming stations, transformers, converters, rectifiers and a 5MVA backup genset.

EDF Demand Response in Action

EDF serves as the retail energy and demand response provider for all but one of the air separators in the Texas market. Air separators provide grid support by rapidly shutting down operations when required by the Electric Reliability Council of Texas (ERCOT).
OPERATIONS & MAINTENANCE

As part of a global organization with utility-scale wind, solar and biomass across Europe and North America, EDF Renewable Services brings a depth of experience and expertise to every project. EDF Renewable Services has a proven history of providing customized services to meet customer needs, such as asset administration, warranty support, or NERC compliance support. Employing an owner-operator sensibility on all projects, EDF treats third-party projects as if they were their own, with the knowledge, experience, and proficiency of 28 years as the industry leader. The O&M objective is to optimize the system’s performance and maximize availability regardless of technology type.

Leading Provider of third-party O&M services in North America

- 9,400 MW under contract
- 6,750 turbines
- 2.7 million solar panels
- 673 inverters

OPERATIONS & MAINTENANCE

UNITED STATES

<table>
<thead>
<tr>
<th>State</th>
<th>Megawatts</th>
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<tr>
<td>Colorado</td>
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<tr>
<td>Hawaii</td>
<td>11.5</td>
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<tr>
<td>Idaho</td>
<td>57.6</td>
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<tr>
<td>Illinois</td>
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<tr>
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CANADA

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<tr>
<td>Quebec</td>
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<td>Ontario</td>
<td>159.8</td>
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<td>MEXICO</td>
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EUROPE*

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<td>Poland</td>
<td>48.0</td>
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<tr>
<td>UK</td>
<td>164.0</td>
</tr>
</tbody>
</table>

*Through European affiliate, EDF EN Services

as of 12.31.14
OPERATIONS CONTROL CENTER
EDF Renewable Services provides critical round-the-clock remote monitoring and diagnostics from its state-of-the-art Operations Control Center (OCC). With increased risks of cyber threats and the high-value of energy reliability to an installation, it is important that any Federal partner have strong cyber security measures in place. EDF’s increasing equipment availability and ability to reduce downtime with associated operational and maintenance costs provides immeasurable defense against threat.

EDF Renewable Services is listed as Generation Operator in the NERC Compliance Registry with Western Electricity Coordinating Council.

CYBER SECURITY
As more and more systems are connected to the internet for monitoring and control purposes, the threat of cyber-attack continuously increases. In order to guarantee the safety and resilience of its critical assets, EDF has acquired extensive experience in the field of cyber security. To date, EDF has successfully maintained complete protection of all critical assets that are monitored in real-time over the internet. EDF’s familiarity and expertise in cyber security as a part of the OCC are a critical component to our high performance and operations success.

Round-the-clock Remote Monitoring and Rapid Response
• Minimize Downtime
• Increase Availability
• Maximize Production
• Ensure Compliance
• Mitigate Risk
MICROGRIDS
ENERGY AS A SERVICE IN PRACTICE

Microgrids, small-scale versions of larger centralized electricity systems, combine multiple generation assets and demand side management. Microgrids operate when connected with the larger grid as well as independently, or in islanded mode, during power outages or cyber incidents. Like the power grid, microgrids generate, distribute, and regulate the flow of electricity, but do so at a local level appropriate for military installations and small communities.

The benefit of microgrids include energy resiliency and security, and reduced costs through optimization and access to new revenue streams. The sophisticated monitoring and control of both generation and consumption allows for customers to optimize fuel sources, streamline O&M requirements, extend asset life, and allow for demand response programs where available. EDF tailors the wide-range of microgrid solutions using a phased approach to incorporate both legacy assets and emerging technologies into a functional microgrid system.

Our experience as a comprehensive service integrator in designing, implementing, and operating insular energy systems and island energy infrastructure enables us to provide strategic solutions to Government customers looking for enhanced energy resiliency and independence.
ISLANDED POWER SYSTEMS
ENERGY AS A SERVICE IN PRACTICE

EDF Renewable Energy, as part of the EDF group, has project experience that can meet the needs of military installations at home and abroad.

### Energy Resiliency & Microgrids
- Provides higher reliability for critical loads through redundant or synergistic fuel sources
- Enables disconnection from the utility network infrastructure

### Supports Energy Mandates
- Allows for higher levels of renewable energy integration enhancing grid stability
- Incorporates energy efficiency measures
- Reduces greenhouse gas emissions

### Economic Optimization
- Accommodates fuel switching
- Integrates operations and maintenance costs
- Captures revenue streams associated with demand response, frequency response, and other ancillary services
SUSTAINABLE COMMUNITIES
ENERGY AS A SERVICE IN PRACTICE

Given limited natural and financial resources as well as increases in the number of extreme weather events and other effects of climate change, communities are looking for means to increase their sustainability and resilience. Sustainable communities can achieve integrated energy solutions that focus on critical facilities and infrastructure. Military installations can enhance economies-of-scale and increase available funding mechanisms by partnering with their local and regional communities to achieve greater sustainability.

As a technology-agnostic developer, EDF tailors energy solutions based on the needs of each individual community. EDF has expertise in sustainable energy generation coupled with a commitment to technical, social, and business innovation. EDF makes a dedicated commitment to working with local communities by engaging the local workforce during construction, creating long-term operations and maintenance jobs, and educating the local community on sustainability and best practices.

With more than 70 years of experience as a leading global company in power generation, distribution, and energy efficiency, EDF can develop integrated solutions. EDF offers comprehensive solutions including renewable and conventional energy generation projects, energy efficiency projects, microgrids and/or storage solutions, cyber security, water and waste solutions.

SUSTAINABLE ENERGY, WATER, AND WASTE
- Energy efficient buildings
- Clean transportation
- High levels of onsite renewables
- Combined heat & power projects that provide resilient base load energy
- Water recycling and reuse; energy generation technologies with minimal water requirements
- Waste reduction, reuse and recycling

ECONOMIC BENEFITS
- Local job creation
- Reduced energy, waste and water costs
- Increased long-term stability for both emerging and mature communities
- Reinvestment of resources in the local economy

ENVIRONMENTAL BENEFITS
- Conservation of energy, water, and non-renewable resources
- Minimization of pollution

SOCIAL BENEFITS
- Economic and environmental value to communities and neighborhoods
- Enhanced community attractiveness
COMBINING GENERATION ASSETS TO BEST SERVE THE CUSTOMER

While each energy generation technology has unique advantages, EDF is able to leverage its breadth of experience and expertise to offer sophisticated solutions involving multiple generation technologies. Combining multiple generation assets through a portfolio approach creates synergies that greatly enhance the system’s benefits and meet more of the customer’s objectives.

EDF has over 7,500 MW of renewable energy projects including solar, wind, and biomass. EDF’s strong portfolio also includes natural gas and energy efficiency projects. The broad spectrum of expertise allows EDF to assess an opportunity at an enterprise-wide level and recommend the best technology or combination of technologies to meet as many of the installation’s objectives as possible.

A portfolio of assets can meet a variety of objectives better than a single technology:

- Enhancing resiliency
- Lowering energy costs
- Managing constrained land
- Curbing demand costs
- Diversifying fuel sources

**BASE LOAD GENERATION AND INTERMITTENT RENEWABLES**

**Base load technologies backing renewables to improve resilience**

Natural gas generation complements intermittent renewables with reliable base load power. For example, the peaking solar production profile matches well with daytime consumption profiles, while the natural gas system can produce dependable base load power round-the-clock. The combination of natural gas generation and renewables can provide a more cost-effective solution and lower energy prices than each technology individually. To further enhance the system, EDF can also incorporate biomass or biogas into the design, further diversifying fuel sources and replacing fossil fuels.

**WIND AND SOLAR**

**Wind and Solar partner to provide renewable energy round-the-clock**

While solar energy is only available to serve daytime peak loads, wind facilities often have strong production during off-peak evening periods. Combining solar and wind projects under a single contract provides customers with round-the-clock energy and the ability to get more energy from renewable sources.

**OFFSITE GENERATION AND ONSITE GENERATION**

**Increasing capacity and lowering costs with power onsite and offsite**

At locations where renewables are not possible on site, customers can benefit from offsite projects in deregulated energy markets. EDF has renewable energy generation assets across North America with a strong pipeline of new projects in development. As a registered energy retail service provider, EDF has the authority to sell energy products and deliver renewable energy from its projects and from the market. Augmenting onsite renewables with energy from utility scale offsite projects in resource rich areas can increase capacities and lower energy prices for the customer.

Energy Storage

Energy Storage can be an attractive cost-effective addition to energy generation projects. Batteries and other storage technologies can instantaneously dispatch energy, dramatically increasing resiliency and stability in systems with high penetrations of renewables.
**EDF ENERGIES NOUVELLES GLOBAL RENEWABLE ENERGY PRESENCE**

**NORTH AMERICA**
**3,109 MW INSTALLED CAPACITY**
- Canada: Wind/Solar - 487 MW
- Mexico: Wind - 392 MW
- United States: Wind/Solar/Biogas/Biomass - 2,230 MW

**SOUTH AMERICA**
**146 MW DEVELOPMENT**
- Chile: Solar

**EUROPE**
**4,310 MW INSTALLED CAPACITY**
- Belgium: Offshore - 325 MW
- Bulgaria: Small Hydro - 66 MW
- France: Wind/Solar/Biogas Cogen./Small Hydro/Distributed - 1,309 MW
- Germany: Wind - 3 MW
- Greece: Wind/Solar - 353 MW
- Italy: Wind/Solar - 520 MW
- Poland: Wind - 48 MW
- Portugal: Wind - 496 MW
- Spain: Solar/Biomass - 83 MW
- Turkey: Wind - 567 MW
- U.K: Wind/Offshore - 543 MW

**AFRICA/INDIA/MIDDLE EAST**
**98 MW INSTALLED CAPACITY**
- Israel: Solar - 68 MW
- India: Solar - 30 MW
- Morocco: Wind - Development
- South Africa: Wind - Development

*as of 12.31.14*
As leaders in the global energy market, EDF Energies Nouvelles with EDF Renewable Energy, its North American subsidiary, develop, construct, own, and operate a diverse portfolio of energy projects in North America and Europe with projects in 25 states and 20 countries.

**KEY FIGURES**

- Consolidated revenues: 1,085 M€
- Net income group share: 124 M€
- EBITDA: 650 M€
- Employees: 3,009

**CAPACITY**

- Generation activity:
  - Gross: 7,517 MW
  - Net: 5,112 MW

- Under construction: 2,204 MW

- Green energy generated in 2014: 9.8 billion kWh

**COMPLEMENTARY ACTIVITIES**

- Developed, built and sold: 2,703 MW
- In operation and maintenance: 11,756 MW

*For own account and for third party*