



# OKLAHOMA FINANCE COMMITTEE PRESENTATION

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2023



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# EDF RENEWABLES

Developer, Owner, Operator

# Overview

**EDF Renewables North America is a project developer, owner, and operator with end-to-end solutions for every market...**



As developer, owner and operator of one of the largest renewable energy portfolios and second largest project pipeline on the continent, EDF Renewables is active in every market across North America.



With our history of innovation, and deep experience developing and operating renewable energy assets, we bring a full-suite of solutions for grid-scale, distribution-scale, asset optimization and onsite energy.



Our outstanding capabilities allow us to utilize our in-house experts, providing maximal efficiency and end-to-end oversight of any size of energy project.

**...with the capabilities, financial strength and global footprint to help you secure your energy future.**

## EDF Renewables North America

16 GW developed

Grid-Scale Power



13 GW service contracts

Distribution-Scale Power



44 GW pipeline

Onsite Solutions



35+ years experience

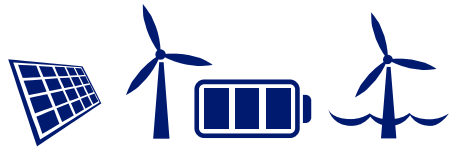
Asset Optimization



1,650+ employees

as of 12/31/22

# What We Do



**Grid-Scale Power**  
Bigger projects.  
Bigger impacts.



**Distribution-Scale Power**  
Experienced. Reliable.  
Integrated.



**Onsite Solutions**  
Multiple solutions.  
One point of contact.



**Asset Optimization**  
Accelerate operational  
excellence. Drive profit.

Helping Our Customers Reduce their Long-term Energy Costs,  
Increase Resiliency, and Achieve Sustainability Goals



# Experience Meets Innovation



Onshore wind



Offshore wind



Solar



Green Hydrogen



Storage



Microgrids



Electric Vehicle Chargers

EDF Renewables develops, builds, and operates it all – for every type of customer, at every scale.

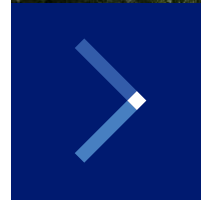
With our outstanding core capability and deep expertise, **we help you meet your sustainability goals.**



# Team

With over **1,600 employees** across North America, we have experts across every discipline.

- > Origination
- > Financing
- > Energy Trading
- > Development
- > Engineering
- > Procurement
- > Construction
- > Monitoring
- > Compliance
- > O&M
- > Health, Safety & Environment
- > Community Engagement
- > Government Affairs
- > Transaction & Valuation



# EDF Renewables in Oklahoma

## OPERATIONAL

- Rockfalls Wind - 154 MW, Kay & Grant Counties
- Great Western Wind - 225 MW, Ellis County

## DEVELOPMENT

- East Cache Creek Solar – 312 MW, Comanche County
- Grand Mayes Solar – 325 MW, Mayes County
- Grand River Energy Center Solar – 103.8 MW, Mayes County
- Rock Falls Solar – 276 MW, Grant County

## LOCAL IMPACTS

2020-2022:

- Last 3 years landowner payments \$1,381,821
- Last 3 years vendor payments \$24,873,295
- 3 years Oklahoma spend \$ 26,255,117

Larger vendors:

- 512620 Commissioners of the Land Office
- 306848 Northwest Crane Service, LLC
- 313284 Coastal Composites LLC
- 307468 Evans Enterprises, Inc
- 311925 Discovery Oil and Wind

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## WORKFORCE DEVELOPMENT FUNDING\* IN THE INFLATION REDUCTION ACT (IRA)

Advocate and collaborate with Energy Agencies and contractors to support occupational-specific training and upskilling



# @\$4.5B IN PROGRAMATIC FUNDING

→ \$250M –  
Agriculture  
Research &  
Education

- includes providing pathways to the agricultural sector or federal employment

→ 1.6B – Directly  
Benefits State  
& Local  
Municipalities

→ \$2.8B –  
Environmental  
& Climate  
Justice Block  
Grants

# DIRECT IMPACT TO STATE & LOCAL MUNICIPALITIES

\$200 million in assistance to states and municipalities to help provide training and education to contractors involved with the installation of energy efficiency improvements. These funds can be used to reduce the cost of training, provide testing and certification and partner with non-profits to develop and implement programs.

- **Oklahoma could benefit through implementing electric weatherization and working with utilities for implementing energy efficiency programs throughout the state – which would require training and provide skilled/technical jobs**
- **Provides funding to states/municipalities to create certification and training programs**

\$330 million for grants to states and municipalities to adopt energy efficient building codes

- **Oklahoma could participate and apply for grants to compete for the funding to improve Oklahoma municipal infrastructure.**
- **This provides another opportunity for training and administration of these programs**

\$670 million for grants to states and municipalities to meet or exceed codes zero energy standards

- **Oklahoma could participate and apply for grants to compete for the funding to improve Oklahoma municipal infrastructure.**
- **Provide training and enforcement programs to achieve full compliance and adoption**

\$400 million for competitive grants to states, municipalities, tribes, or nonprofit school transportation entities to replace heavy-duty vehicles with those that are zero emissions.

- **Workforce development and training to support maintenance, operations and charging/ fueling are eligible uses for funds under this program.**

**DIRECT IMPACT TO  
STATE & LOCAL  
MUNICIPALITIES  
CONTINUED**

# ENVIRONMENTAL & CLIMATE JUSTICE BLOCK GRANTS

\$2.8 billion for Environmental and Climate Justice Block Grants. Grants will be awarded to a partnership of tribes, local governments, Institutions of Higher Education and a non-profit community-based organization; a non-profit community-based organization; or a partnership of non-profit community-based organizations.

- **Recipients may use the funds for investments in low and zero emissions technology and infrastructure as well as workforce development efforts that help reduce greenhouse gases.**



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## PARTNERSHIPS WITH INDIGENOUS COMMUNITIES

Over 1,700 MW of projects in Canada and USA.

# Partnerships with Indigenous Communities

EDF Renewables portfolio has more than 1,700 MW of projects in partnership with Indigenous communities.



## United States

Arrow Canyon 370 MWp, in construction, COD 2022, Nevada

Chuckwalla 437 MWp, in development, COD 2023, Nevada

Playa Del Sol 65 MWp, in development, COD 2023, Nevada



## Canada

Romney , 60 MW, Ontario, 2019

Barlow, 17 MW, Ontario, 2019

Pendleton, 21 MW, Ontario, 2019

Cypress, 200 MW, Alberta, 2023

Nicolas-Riou, 224 MW, Quebec , 2018

Riviere-du-Moulin, 350 MW, Quebec, 2015

"The Algonquins of Pikwakanagan are excited to form a partnership with EDF Renewables for the development and generation of renewable energy. This initiative will bring forth important economic benefits to the First Nation while continuing to foster and the preservation of our environment"

**Chief Kirby Whiteduck**

Chief of the Algonquins of Pikwakanagan (2003-2020)



# Environmental, Educational & Economic Initiatives

## Economic

- Agreements with local indigenous economic development office to maximize benefits for community
- Capacity funding for negotiation/review of agreements and participation in project studies
- Employment opportunities for qualified indigenous businesses or individuals during the development, construction and/or operation of the project
- Community Benefit Agreements
- Equity / Partnership Agreements (1% to 50.1%)

## Educational

- Project visits / bus tours during construction with Chief and Council
- Site visits of operating solar projects for indigenous students
- Consultation process that engages members of the indigenous community and integrates their culture, history and interest in the project



## Environmental

- Installation of eagle platforms and bat houses by members of the community
- Environmental excavation monitors hired from the community to understand the impact of the development on their local lands
- Meetings with local leaders, elders, and the community at large to understand their priorities and concerns



# CA Case Study: Blood Tribe of Alberta



Chief Roy Fox and Tim Tailfeathers take EDFR team to visit a Medicine Wheel, near the existing EDFR; Blackspring Ridge site.



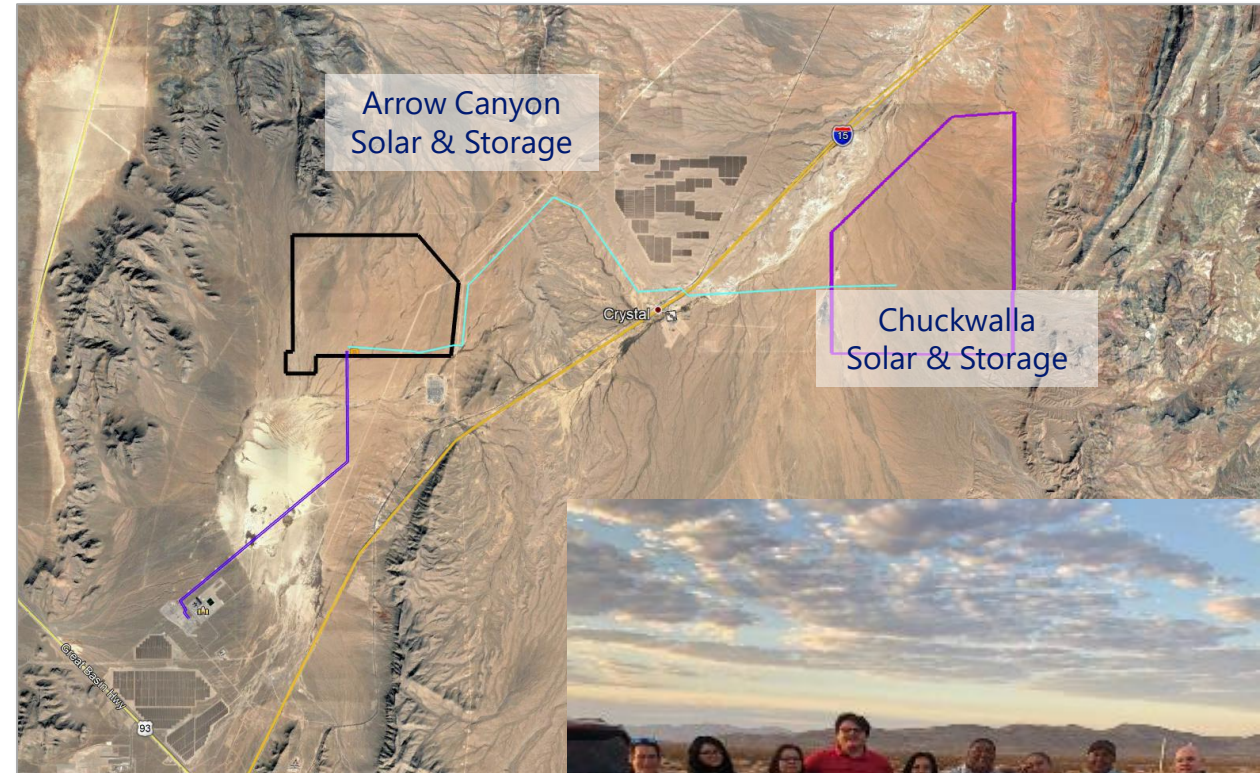
Chief Roy Fox and Tribal Council members visit EDFR's 300MW Blackspring Ridge Project in Alberta.

- EDFR has developed a long-lasting and mutually beneficial relationship with the Blood Tribe (Kainai Nation), in Alberta.
- In 2017, we developed the equity partnership, to develop the 250 MW Cypress Wind Project located near Medicine Hat, AB. **(25% of the project is owned by the Blood Tribe.)**
- The project is started construction in the summer of 2021 and expected to be complete by the end of 2022.
- The parties have worked closely to develop an opportunities agreement of over \$1 million, to ensure training and long-term job opportunities for Blood Tribe members.
  - The opportunities agreement, will result **in over 220 Blood Tribe members trained** in; construction, wind turbine maintenance and solar installation.
- A second partnership has been formed, to develop the **Pe Na Koam** 200MW wind project, which will be located on the Blood Tribe's reserve (the largest reserve in Canada).
- The EDFR development team is working closely with key tribe members, to ensure siting is sensitive to both on-going agricultural practices, but also to ensure minimum impacts on traditional plants, medicines and wildlife.



# US Case Study: The Moapa Band of Paiutes

- EDFR and Moapa Band of Paiutes (located in Clark County, Nevada), formed a partnership to support renewable energy development following the **retirement of the Reid Gardner Coal Fired Power Plant**.
- In 2017, Moapa Band of Paiutes leased their land to EDFR to **partner on two solar + storage Projects totaling 870 MW...**
  - Arrow Canyon currently under construction, operational by 2022.
  - Chuckwalla, operational by 2023
- **Indigenous members have been employed** as monitors for biological and cultural resources and **are eligible for training programs** through the local labor union in coordination with the Tribe's employment office.
- The EDFR development team is working closely with key tribe members, to ensure siting is sensitive to both cultural practices and cultural artifacts, and ensure minimum impacts on plants, medicines and wildlife.



**ARROW  
CANYON**   
solar & storage project





# CONTACT

Achieve Your Sustainability Goals – Because the Future Depends on Us

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