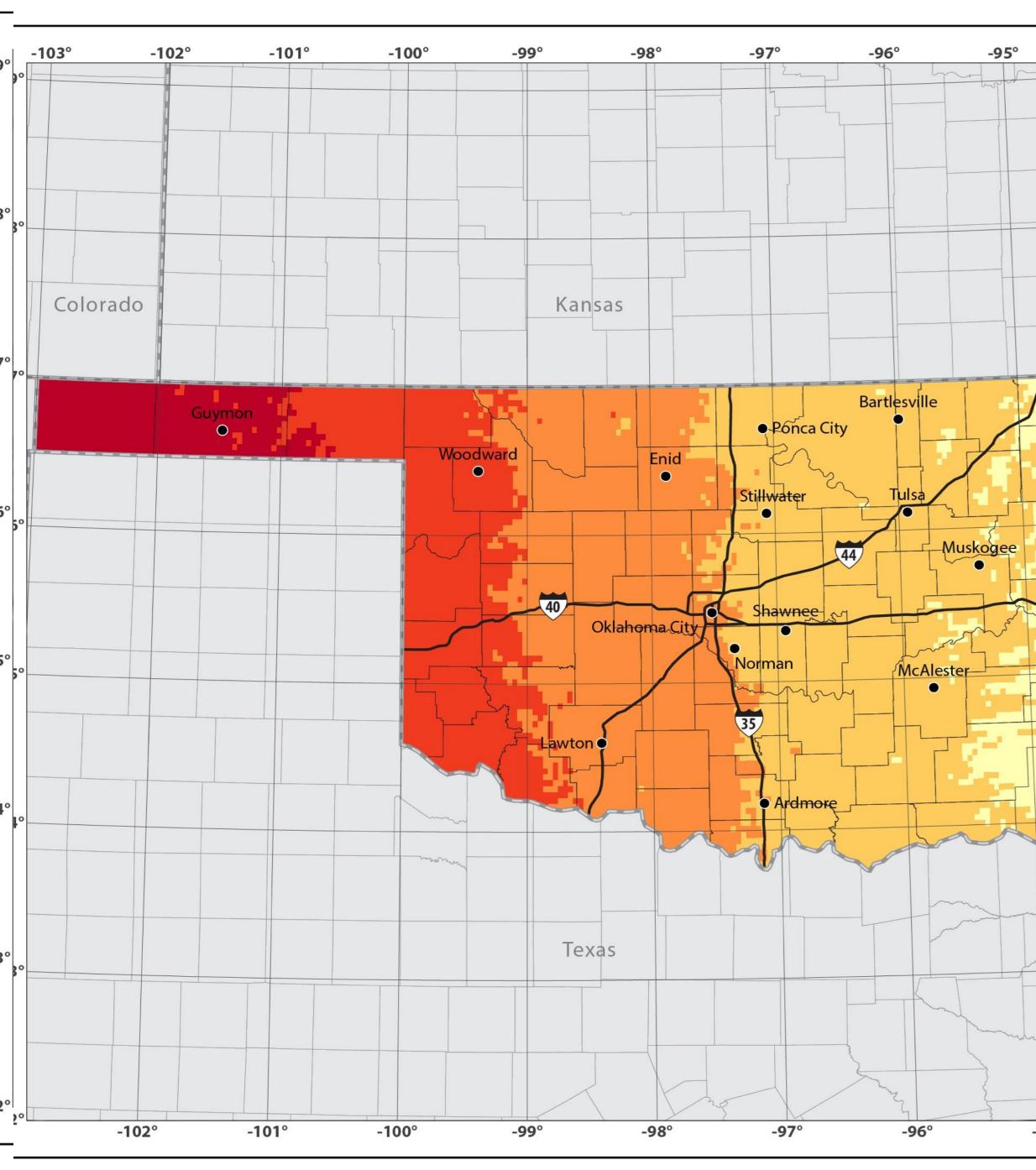
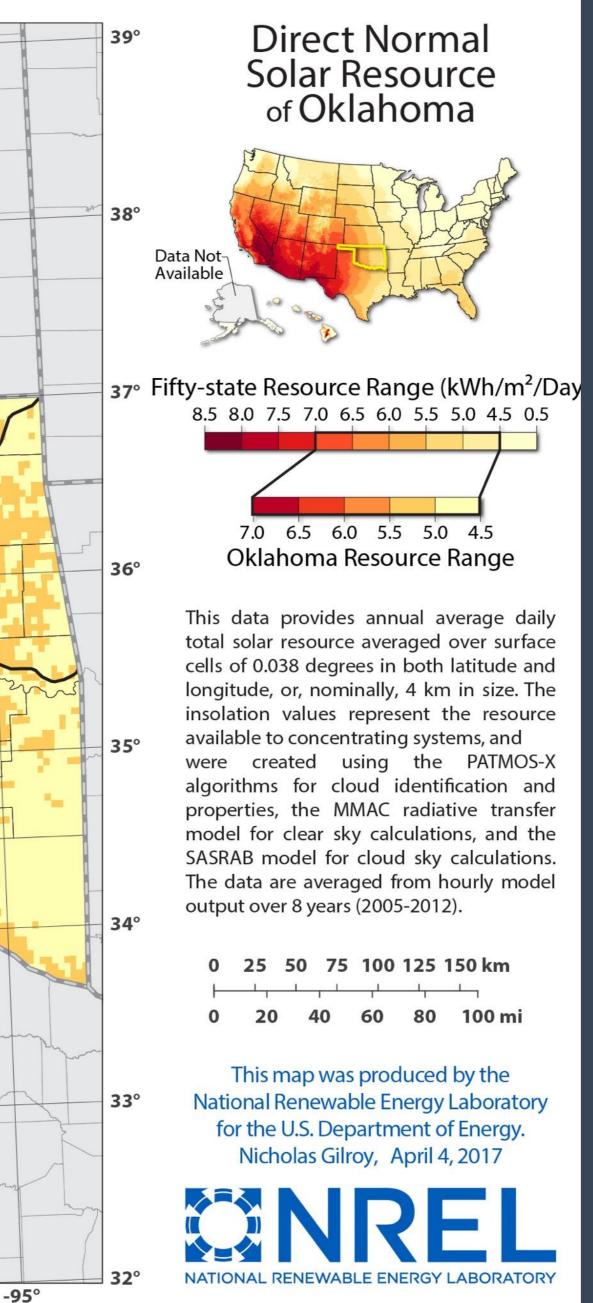


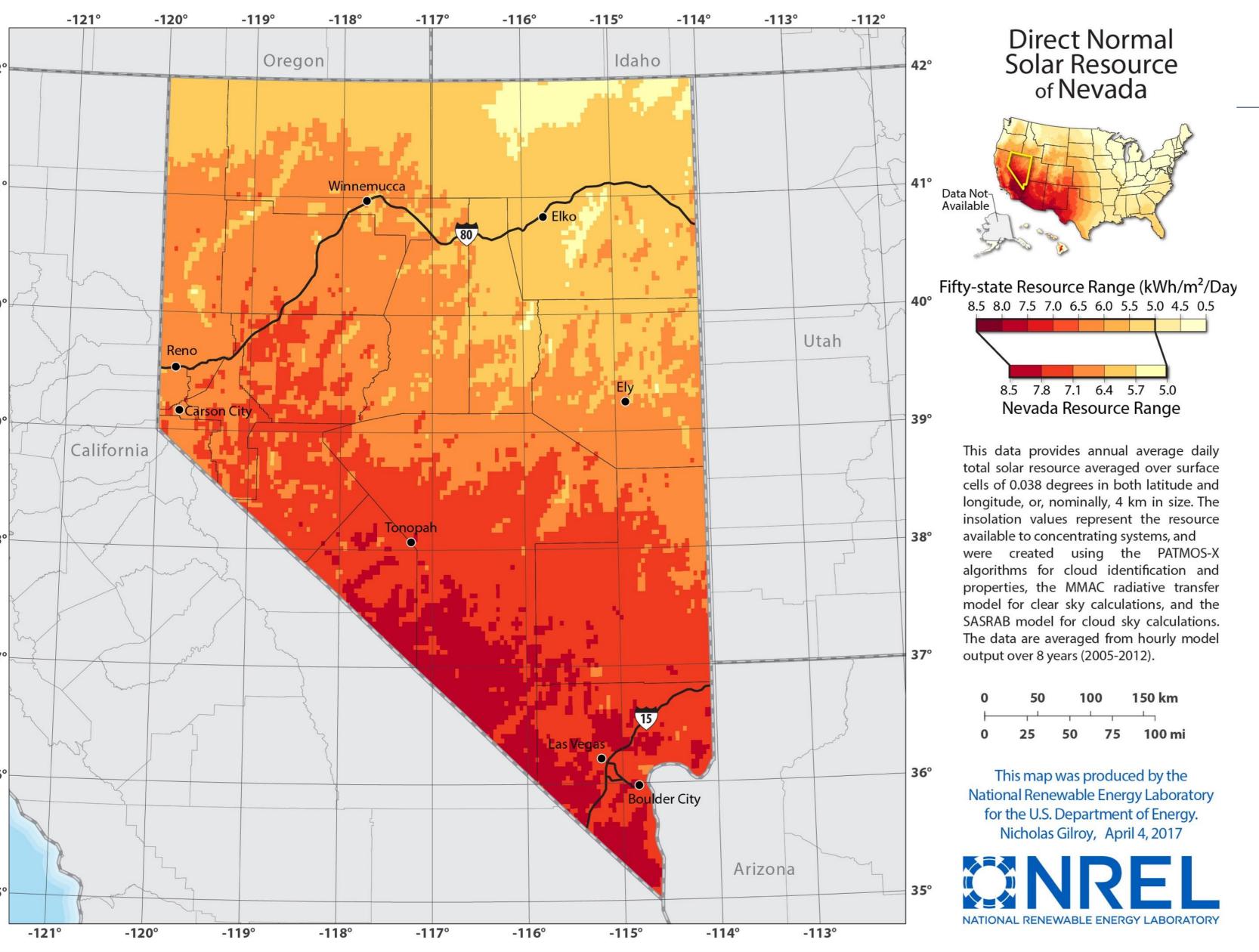


# ELI PAGEL President





Oklahoma has the solar potential to be a Top Ten state in solar energy production.



Oklahoma has the solar potential to be a Top Ten state in solar energy production. Nevada ranks #1 for percent of school with solar.

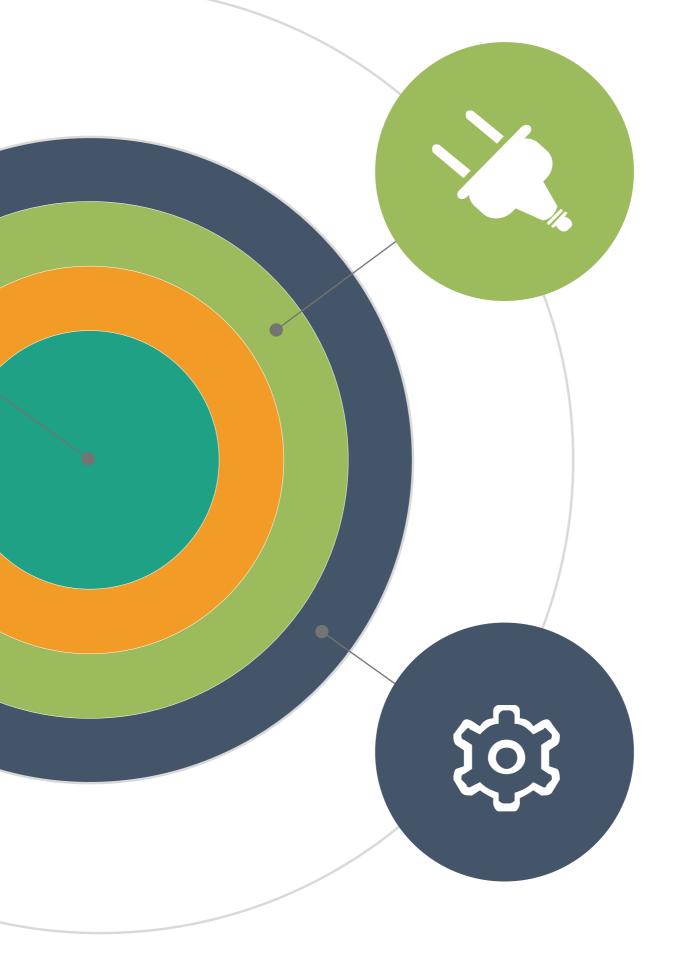
## A DIVERSE ENERGY PORTFOLIO

OKLAHOMA'S CHANCE TO BE A LEADER

#### OIL AND GAS Our Core resource remains the core provider.

### WIND

Oklahoma ranks high in wind energy potential AND production.

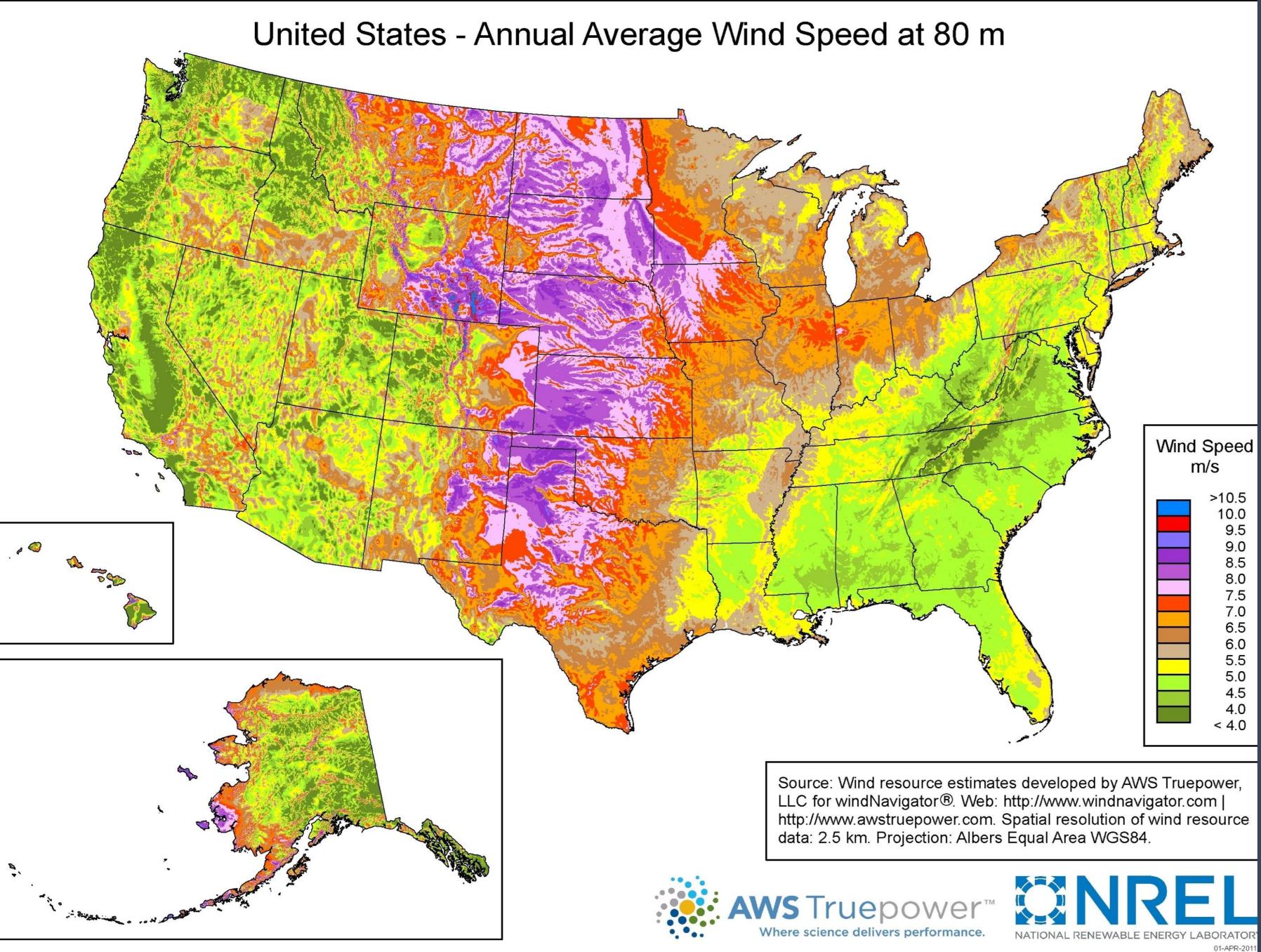


## Solar

Through Residential, Commercial, and Utility Scale adoption Oklahoma begins to live up to its potential.

#### Geothermal -Hydroelectric GRDA has hydroelectric in eastern Oklahoma and geothermal is a valuable source of energy as well.





Oklahoma jumped on the potential for Wind energy and should so the same for solar.

## Solar Setup

Carports, Shade, Rooftop, and Ground Mount



Carport and Shade This is quickly becming the most popular option at schools. From the bus barn to the parking lots.



Rooftop This is probably what you think of when you think of solar.

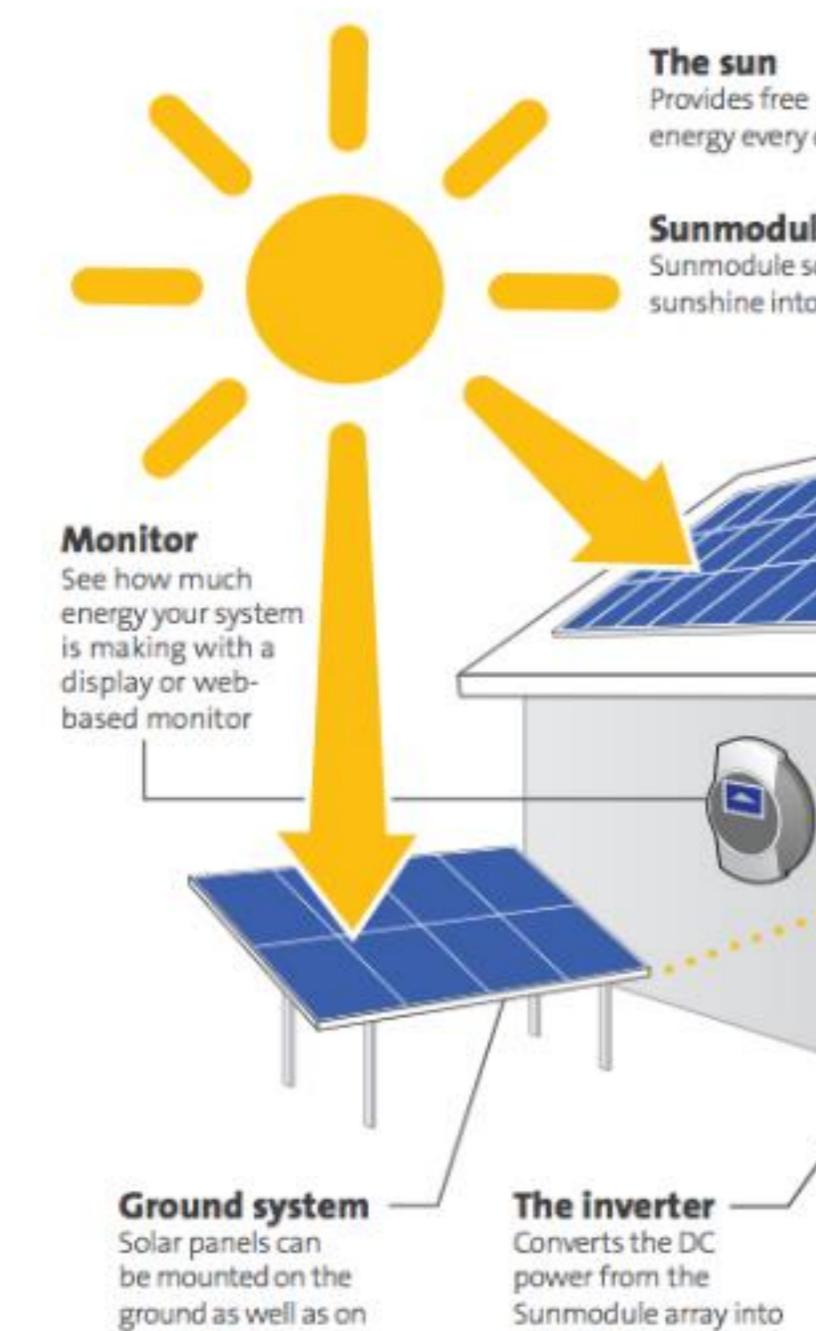


Ground Mount When land is available and rooftop space is not. This is a great option for many schools.





the roof



energy every day

Sunmodule array Sunmodule solar panels convert sunshine into electricity

#### Mounting

Specially designed aluminum racks attach the Sunmodule array to your roof

....

AC for your home

The meter With net metering, energy you don't use goes to the grid, spinning your meter backwards

-

Utility grid

4



## **Opportunities With Solar**

How Solar Can Help Your School

### **Cost Reduction**

Utility savings are the primary driver for the adoption of solar in schools. Solar creates a consistent long term source of energy savings. These systems are designed to last 25-35 years.

### Emergency Preparedness

A solar system can be designed in such a way to serve as emergency power in the midst of a natural or manmade disaster. The school can function in the event of a power loss or serve as a refuge in the event of a disaster or power outage.

### Educational Opportunities

Imagine if your STEM curriculum was interactive. If your students could walk outside with a pyronometer and begin calculating the production of a solar system. Imagine if you could teach students about current and conductivity through solar system that is attached to your building.



## CASE STUDIES SCHOOLS THAT HAVE DONE IT



### Greenfield School District (Missouri)

376 kW system - \$676,000 cost Reduce bill from \$8,000-\$10,000/mo to \$2,000 -\$3,000/mo \$3 Million savings over 30 years



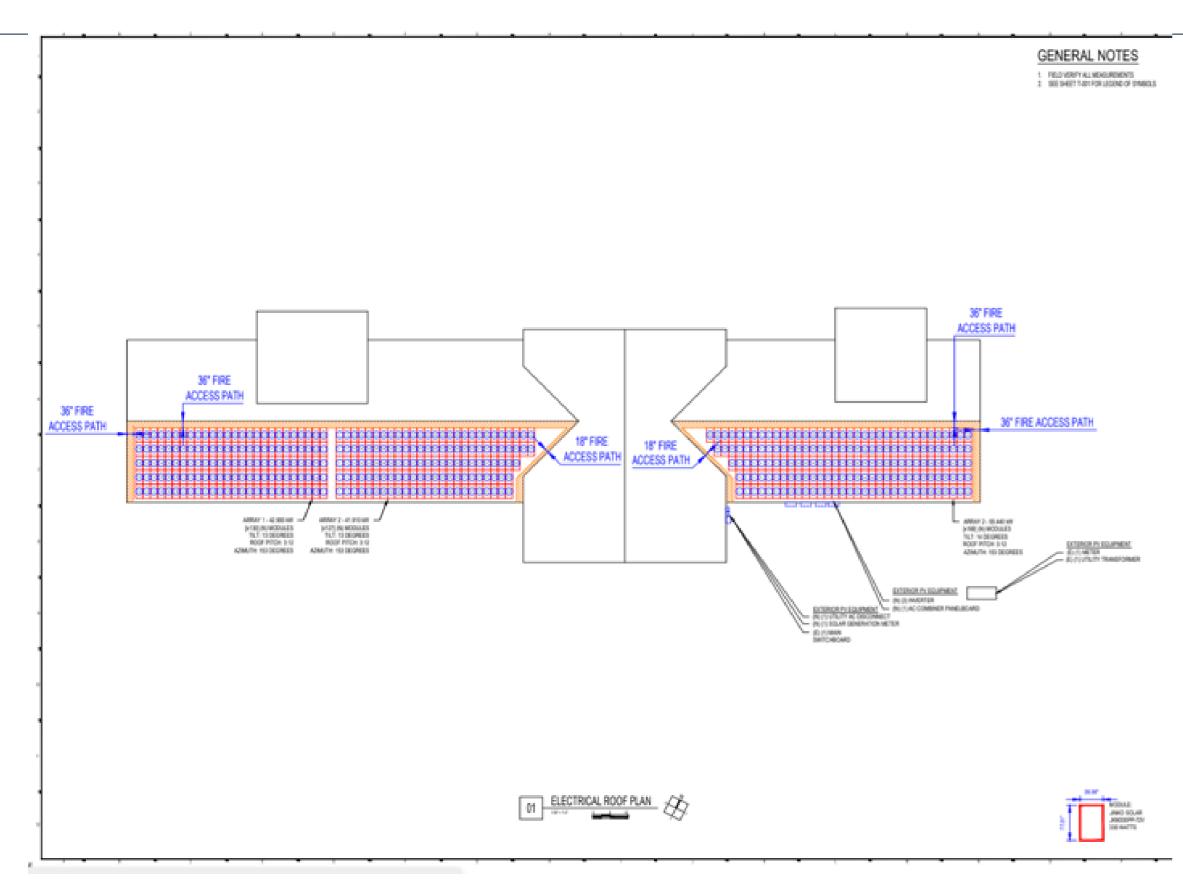


### Sacajawea Middle School - Montana

50 kW system - \$115,000 cost 9 year payback Student Led Initiative – 70% paid for by grants

## OKLAHOMA PROJECT

#### Purcell Public Schools



### Purcell Junior High School

140 kW System - \$380,000 price tag 12 year payback Payback could be damaged by utility rate changes





## Challenges to Oklahoma's Potential

What's stopping solar?



## Lack of Understanding It's a new technology

and some people simply won't use what they don't know.



## Cost

In some instances solar is still not an economically viable option.

## **Legislation and**

From the utility level the state legislation, laws and policies can keep solar from happening in an effective way.

> Utilities: Solar Tax State: Disincentivizing







## How To Get Solar

Does your school need solar?



**Step One** Audit Your Energy

For many of you, energy costs are a significant portion of your budget.



#### **Step Four** Build It

Now it's time to put the system in. Whether it's rooftop, carport/shade, or ground mount.





Based on energy use, budget, and space determine what size system would work for you.



**Step Three** Figure Out Funding

Bonds, Leases, PPAs there are a number of ways to structure a deal for solar. Figure out which way works best for you and then start producing power.



For more information about solar: Call/Text - 405-412-9001 Email – <u>odysseyglobalsolutions@gmail.com</u>



# THANKS FOR COMING PRESENTED BY ODYSSEY GLOBAL SOLUTIONS