

# WIND CATCHER ENERGY CONNECTION PROJECT



Public Service Company of Oklahoma (PSO) and Southwestern Electric Power Company (SWEPCO) plan to invest approximately \$4.5 billion to bring 2,000 megawatts (MW) of new wind energy to customers in Arkansas, Louisiana, Oklahoma and Texas. The Wind Catcher Energy Connection Project is expected to save PSO and SWEPCO customers approximately \$7 billion, net of costs, over 25 years.

The project includes acquiring a wind farm currently under construction in the Oklahoma Panhandle and building about 350-miles of dedicated extra high-voltage 765 kilovolt (kV) power line to connect two new substations, one located at the wind facility and a second near Tulsa.

PSO will own about 30 percent of the project, including 600 MW of wind. SWEPCO will own approximately 70 percent of the overall project, including 1,400 MW of wind. The project is subject to regulatory approvals in Arkansas, Louisiana, Oklahoma and Texas as well as the Federal Energy Regulatory Commission.

Development of the line route will begin in the summer of 2017. The overall project is expected to deliver wind energy to customers by the end of 2020.

## WHAT

The Wind Catcher Energy Connection Project components include:

- Acquiring the Wind Catcher Facility from Invenergy, LLC when completed in late 2020. The wind farm features 800 GE 2.5 MW wind turbines located on 300,000 acres in Cimarron and Texas counties.
- Building the Wind Catcher Power Line. The approximately 350-mile 765 kV power line is the connection to efficiently deliver the renewable power to SWEPCO and PSO customers.
- Constructing two new substations. One will be located at the wind facility and the other near Tulsa.

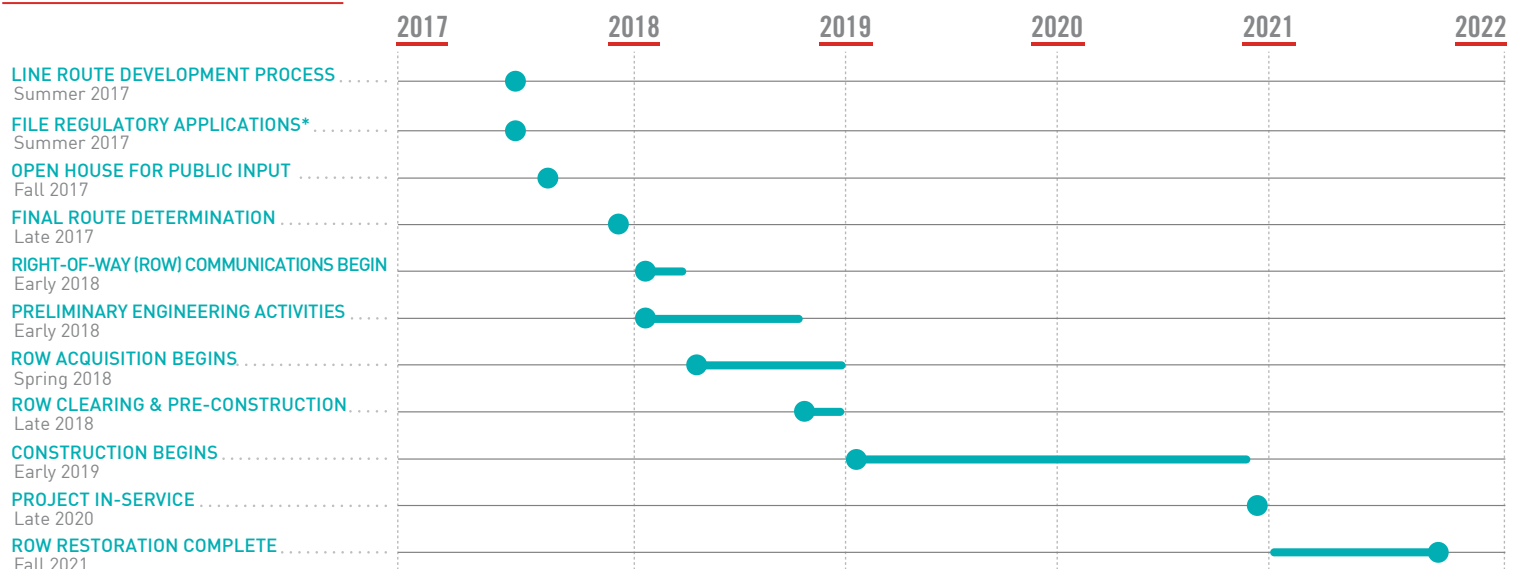
## WHY

The Wind Catcher Energy Connection Project will provide a cost savings of \$7 billion over 25 years and diversify the energy supply for PSO and SWEPCO customers. Additional benefits include approximately 4,000 direct and 4,400 indirect jobs annually during construction and 80 permanent jobs once operational. The project will also contribute approximately \$300 million in property taxes over the life of the project.

## WHERE

The Wind Catcher Facility is located in parts of Texas and Cimarron counties in western Oklahoma. The proposed 350-mile 765 kV power line will start at the wind facility, cross parts of Oklahoma and end at a new substation near Tulsa. The line route is under development.

## PROJECT SCHEDULE








\*Timeline subject to change. \*Regulatory applications to be filed in Arkansas, Louisiana, Oklahoma, and Texas.

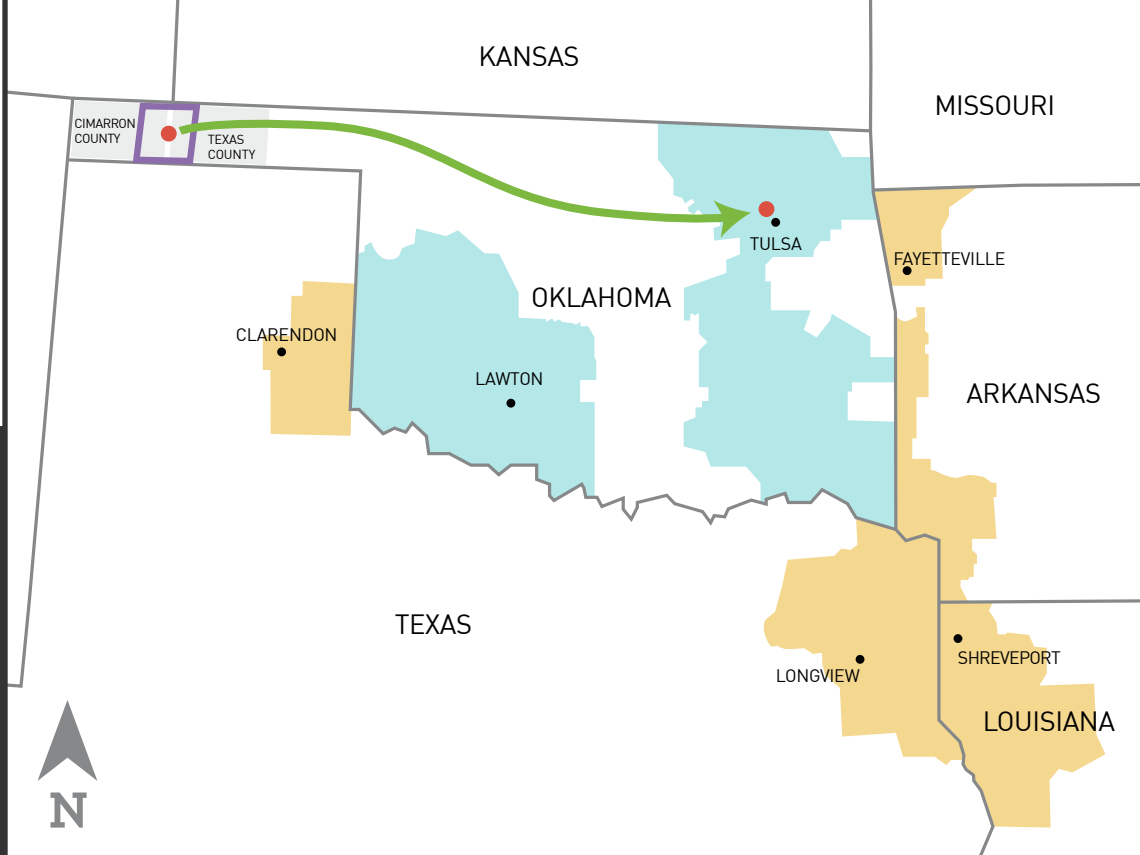
## PROJECT MAP

Route to be determined for dedicated line to connect the two future substations.

The line route is currently under development and study segments will be presented for public input in the fall of 2017.

## LEGEND

-  Wind Catcher Facility
-  Future Substation
-  PSO Service Territory
-  SWEPCO Service Territory
-  Wind Catcher 765 kV Power Line (actual route to be determined)



## TYPICAL PROPOSED 765 KV STRUCTURE

Typical Height:

**Approximately 140 feet**

Typical Base:

**Approximately 40 to 50 feet square**

Typical Right-of-Way Width:

**200 feet**

Typical Distance between Structures:

**Approximately 1,000 - 1,500 feet (four to five structures/mile)**

*\*Exact structure, height and right-of-way requirements may vary*

PSO's and SWEPCO's parent company, American Electric Power, owns the nation's largest electricity transmission system, a more than 40,000-mile network that includes more 765-kilovolt extrahigh voltage transmission lines than all other U.S. transmission systems combined.

PSO and SWEPCO are committed to carefully balancing the energy needs of customers while protecting the environment and natural beauty of the region.

PSO & SWEPCO VALUE YOUR INPUT ABOUT THE PROJECT. PLEASE SEND COMMENTS AND QUESTIONS TO:

1-833-PSO-INFO  
psinfo@aep.com

If you have questions or need more information visit the project website at  
[www.PSOklahoma.com/Windcatcher](http://www.PSOklahoma.com/Windcatcher)

