Transmission Enabled Wind

a Western Spirit Case Study

March 2, 2022

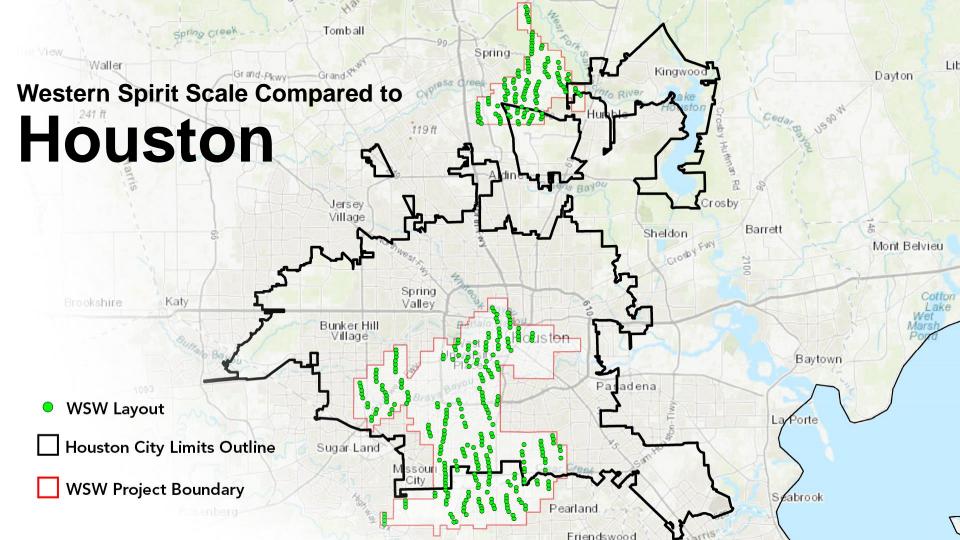












Total onsite construction manhours worked

2.1 million

1,000 people working 40 hrs a week for an entire year



Peak number of construction workers

~1,500

Total above/below ground conductor installed

2,115 miles

Installing a continuous cable from SF to Houston



Transmission structures installed

~1,100

Western Spirit	Transmission L	Line – Project	Participants
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Developer Pattern, RETA

EPC – T-Line and Switchyard EC Source

EPC – Compensation Station GE Grid Solutions

Operations (Build Transfer Agreement) Public Service Company New Mexico

WEG

Western Spirit Wind – Project Participants

Developer Pattern

Interconnection EC Source

Turbines GE Renewables

EPC Blattner Energy

Ere Blattilei Ellergy

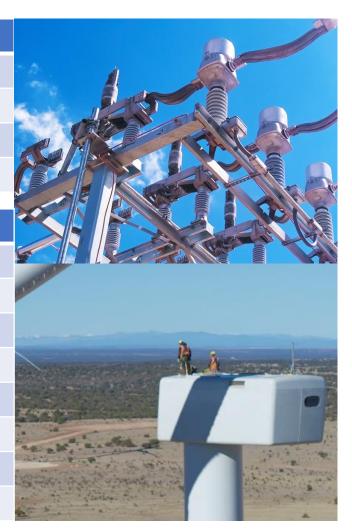
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Main Power Transformers HICO

Pad-Mount Transformers

Turbine Operations Agreement GE

BOP Operations Agreements Pattern Operators



Western Spirit Transmission Line and Wind Farm - Investors
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HSBC Left Lead, Sole Coordinator Lead Arranger, Construction Administrative Agent and LC Issuing Bank

CoBank Term Loan Administrative Agent and Bookrunner, Mandated Lead Arranger, Joint Bookrunner

CIBC Mandated Lead Arranger, Joint Bookrunner, LC Issuer

MUFG Mandated Lead Arranger, Joint Bookrunner, LC Issuer

SocGen Mandated Lead Arranger, Joint Bookrunner, LC Issuer

Santander Mandated Lead Arranger, Joint Bookrunner

HSBC Tax Equity Investor

Bank of America

Tax Equity Investor



Construction Loan

\$1.32bn

\$437m Letter of Credit

Single Turbine Manufacturer

377 GE Units

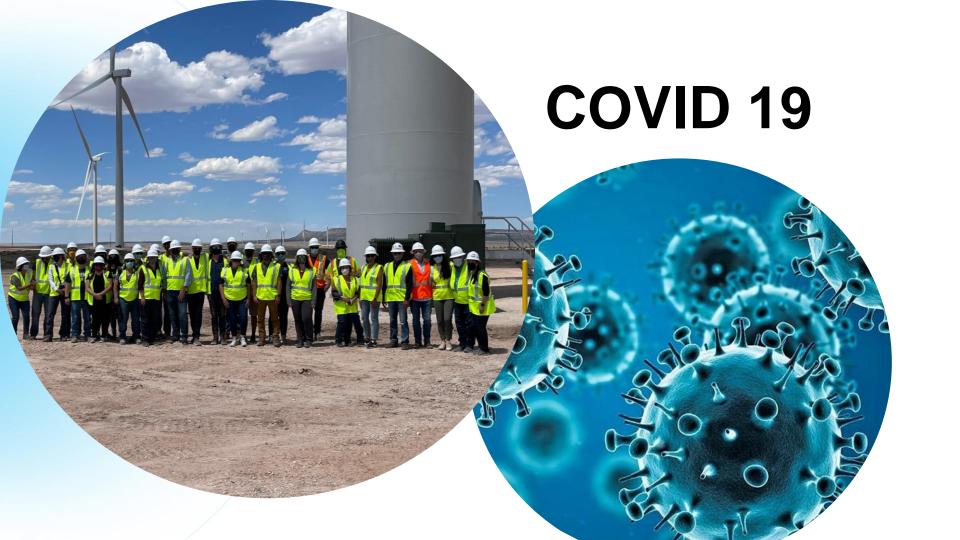
Three hub-heights, two models

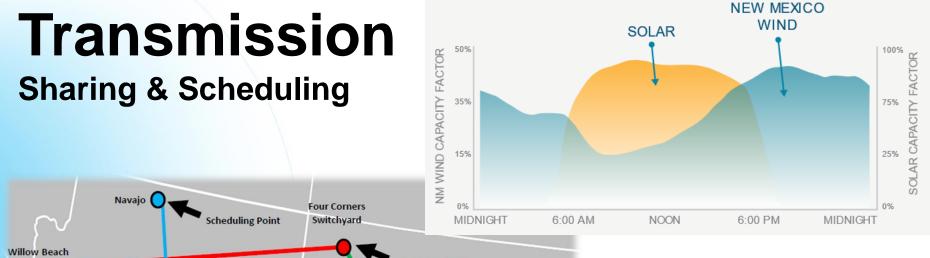
Project	Turbine Model	MW Rating	НН	Qty.	MW Subtotal
Red Cloud	2.82-127	2.82	114	124	349.68
Duran Mesa	2.3-116	2.3	80	4	105.08
	2.82-127	2.82	89	34	
Tecolote	2.3-116	2.3	80	9	271.68
	2.82-127	2.82	89	89	
Clines Corner	2.3-116	2.3	80	11	
	2.82-127	2.82	80	58	324.22
	2.82-127	2.82	89	48	

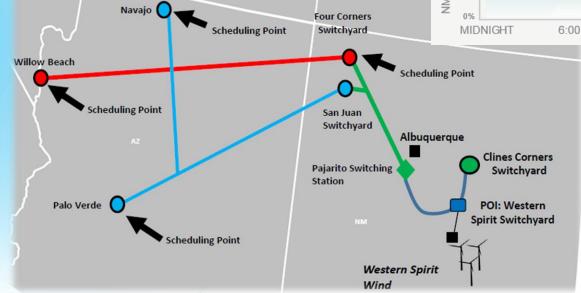


Unique
Challenges &
Opportunities











Creative Spirit & Energy

Chapter 3 - SunZia

