

About Us

Pattern Energy is one of the world’s largest privately-owned developers and operators of wind, solar, transmission, and energy storage projects. Its operational portfolio includes 30 renewable energy facilities that use proven, best-in-class technology with an operating capacity of nearly 6,000 MW in the United States, Canada, and Mexico. Pattern Energy is guided by a long-term commitment to serve customers, protect the environment, and strengthen communities.

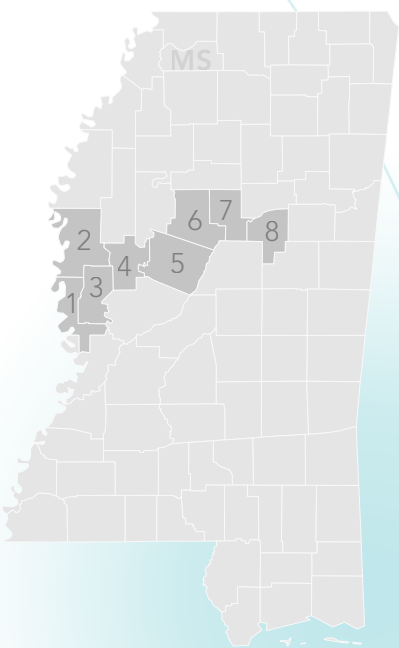
Global Portfolio



Southern Spirit | Mississippi

Pattern Energy is developing Southern Spirit Transmission, a ±525 kilovolt, ~3,000-megawatt high voltage direct current (HVDC) transmission line connecting Electric Reliability Council of Texas, Inc. (ERCOT) and Southeastern transmission grids. The project will provide extensive economic benefits and facilitate a valuable connection to diverse energy resources.

The project is being privately funded by Pattern Energy and is projected to deliver increased reliability benefits and cost competitive power across the region. Beginning in Louisiana at the Texas border, Southern Spirit Transmission will extend ~320 miles into Mississippi, passing through Issaquena, Washington, Sharkey, Humphreys, Holmes, Carroll, Montgomery, and Choctaw counties.



1. Issaquena
2. Washington
3. Sharkey
4. Humphreys
5. Holmes
6. Carroll
7. Montgomery
8. Choctaw

~320 miles

525 kV high-voltage direct current (HVDC) transmission line across Louisiana & Mississippi

\$1.6+ billion

In economic output during construction and the first 40 years of operation for Mississippi

\$2.6 billion

Total private investment across Texas, Louisiana and Mississippi

\$275+ million

Projected property tax revenue over 40 years for Mississippi

Total Project Construction Cost

ESTIMATED	MILLIONS
Converter Stations	\$1,216
DC Transmission Line	\$1,030
AC Transmission Line	\$125
Switching Station and Crossings	\$49
Development	\$263

Key figures summarized from a Mississippi economic impact analysis prepared February 2023 by Strategic Economic Research, LLC, a consulting firm. The analysis uses industry-standard models to provide estimated impacts across a range of economic categories.

1,400+

Jobs created during the 2 year construction period in Mississippi

Economic Benefits for the State of Mississippi

Southern Spirit Transmission Line will traverse ~120 miles across Mississippi. The line will pass through Issaquena, Washington, Sharkey, Humphreys, Holmes, Carroll, Montgomery counties and terminate with a converter station and electric grid interconnection in Choctaw County. The project represents a private investment of over \$2.6 billion by Pattern Energy. Of that, more than \$1 billion will impact Mississippi alone and bring a broad range of direct and indirect economic impacts to counties and communities across the state.¹



¹ All estimates include direct, indirect, and induced impacts. Direct impacts represent jobs and activity directly involved in the construction and maintenance of the project. Indirect impacts include jobs and activity supported through indirect supply chain purchases and activities. Induced impacts consider additional spending and jobs created by higher spending by direct and indirect activities.

² Operations figures assume a 40-year lifespan for the facility, although transmission lines typically last much longer.

Local Job Creation

Over the course of development, construction, and throughout operations, the project will provide job opportunities across the region. During the approximately two year construction period, over 1,400 jobs will be created in the State of Mississippi. Once complete, the transmission line will support over 160 permanent jobs in the state.

Local counties are estimated to see over \$153 million in total earnings impact during construction and operations.²

Widespread Economic Activity

Southern Spirit Transmission will drive extensive economic activity throughout its construction phase and into operations. The figures below provide the estimated total economic output impacts of the project. Economic output is the value of goods and services produced in the county or state.

Local and State Economic Impacts

ESTIMATES

	Construction Impacts	Operations Impacts
Carroll County	\$13.9M	\$765K
Choctaw County	\$86.6M	\$19.8M
Holmes County	\$32.8M	\$2.9M
Humphreys County	\$17.5M	\$1.2M
Issaquena County	\$14.4M	\$1.0M
Montgomery County	\$10.4M	\$1.0M
Sharkey County	\$23.7M	\$1.1M
Washington County	\$2.6M	\$783K
Rest of Mississippi	\$29.7M	\$6.1M
State of Mississippi	\$232M	\$34.8M



Construction Drives Local Opportunity

Transmission projects of this scale require large investments in materials and labor. Southern Spirit Transmission is projected to invest approximately \$288 million in construction costs in Mississippi over a two-year construction period. This includes over \$113 million in direct labor costs and \$13 million in landowner payments under lease and easement agreements.

Along with creating quality jobs throughout construction, building the line will generate opportunities for local businesses. Strategic Economic Research estimates construction will generate approximately \$46 million in revenue for Mississippi hotels and \$26 million for local restaurants.

State & Local Property Tax Revenues

The transmission line will be a source of local and state property taxes, providing funding for education and other local government services, such as fire protection, park districts, and road maintenance. In most jurisdictions, local school districts receive about half of all property taxes to support K-12 education. Over the first 40 years of operations, the project is expected to contribute over \$275 million in property taxes in the State of Mississippi, or an annual average of approximately \$6.8 million.

Estimated Property Tax Revenues

ESTIMATES

	40-year Total	Annual Average
Carroll County	\$10.8M	\$271K
Choctaw County	\$126M	\$3.2M
Holmes County	\$52.3M	\$1.3M
Humphreys County	\$23.8M	\$594K
Issaquena County	\$23.2M	\$580K
Montgomery County	\$13.3M	\$332K
Sharkey County	\$20.1M	\$503K
Washington County	\$1.8M	\$45K

Community Engagement and Giving

Pattern Energy is committed to being partners with the communities where we have a presence throughout the life of our project. Community engagement is foundational to the long-term success of any energy project. Pattern Energy sought and incorporated feedback from local, regional, and national organizations to ensure the planned transmission line is developed with sensitivity for local needs, environmental preservation, and economic sustainability.

Acting as a good neighbor benefits the communities where we develop and the long-term success of our facilities. Pattern’s Community Benefits Programs support local economies and ensure regional benefits and lasting impact through sponsorships and donations. Our development plan includes annual funding to a variety of community-based organizations in the regions where the Southern Spirit Transmission Line will be built and operated.