

Where?

STRATEGIC PROJECT SITING

Where will you site your turbine generators?



SARGENT & LUNDY LLC

resources?

environment?

interconnect?

pipelines?

water?

transmission

Where should you connect with the grid? Gas pipelines?

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The Sargent & Lundy Consulting Group offers an efficient, highly knowledgeable resource for siting independent power plants in any NERC region you choose. Critical analyses and investigations that we provide for diverse clients include...



Locate appropriate gas transmission pipelines.

Locate electric transmission lines at the voltages that will allow interconnection with the least amount of reinforcement to accommodate new generation.

Analyze transmission system congestion to determine locations well suited to interconnect with local transmission.

Identify preliminary air quality issues, non-attainment, available PSD increment, and other related issues.

Investigate potential land use obstacles including proximity of sensitive receptors including:

residences, forest preserves, airports, cemeteries and other concerns.

Identify water sources on a state and/or local level and assess adequacy of seasonal quantities and quality required for your plant.

Investigate local and state permitting requirements, including EPA, construction, zoning, and taxing issues, and real estate availability.

Site area ranking using information developed during the project siting process, enables the developer to prioritize locations for further evaluation.

Sargent & Lundy LLC
Consulting Group

The Sargent & Lundy Consulting Group's siting services incorporate information gained from S&L's "in house" resources, public domain information, other available state and federal level information, purchased data base information, and on-site investigation and observation where appropriate. In addition to Project Siting, the Consulting Group can provide additional services to Independent Power Producers once potential sites are determined. These services include...

Transmission screening studies to derive base case and peak load flow models reflecting the proposed generation addition and its potential impacts, including itemization of overloaded system components and percent of overload.

Tariff and rate analysis including open access and the associated charges involved in possible merchant plant dispatch.

Will you hit environmental hurdles?

Analysis of state and federal legislation as well as ISO/RTO and deregulation activities that may affect the project.

Transmission system impact study using single contingency analysis for further evaluation of possible site locations. These studies identify overloaded system elements under various outage scenarios, when the maximum level of generation is added. We also provide order of magnitude costs for remediation and strategies for minimizing or eliminating remediation needs.

Representation during talks and negotiations with the local utility for interconnect, transmission service, capacity and energy sales.

Can the
water supply
support
your project?

FOR MORE INFORMATION ON OUR CONSULTING SERVICES AND SARGENT & LUNDY'S 100 YEARS OF POWER INDUSTRY EXPERIENCE, CONTACT...

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