

STEPS TO PERFORM A **DESKTOP ANALYSIS**

A BETTER PROCESS FOR ROUTING NATURAL GAS FACILITIES

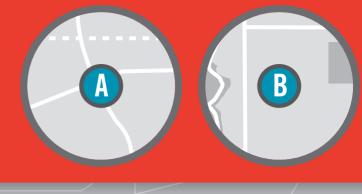
Routing a natural gas pipeline is a complicated process that requires a large amount of upfront research before a route is identified. Enter the desktop analysis. An in-depth investigation of a large study area, a desktop analysis allows you to:

- Gather GIS datasets, land use data, public comments, agency input, etc.
- Evaluate many different criteria and routes simultaneously
- Identify opportunities and constraints through data analysis
- ultimately saving time and money

Determine the best alternative route...

IDENTIFY ENDPOINTS To begin the desktop analysis,

define your project endpoints.



DEVELOP STUDY AREA Develop a large enough study area to encompass the endpoints and provide geographic diversity of the routes. You can follow jurisdictional boundaries or other features, such as a highway or river, to help define the study area.

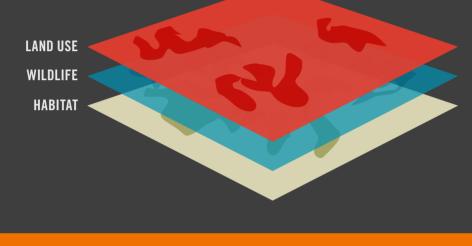
DEVELOP EVALUATION CRITERIA Review the study area and develop evaluation criteria to analyze the routes. The criteria should be customized to reflect the constraint features within the study area.

LENGTH OF ROUTE NWI WETLANDS

STREAM CROSSINGS

GATHER OPPORTUNITES AND CONSTRAINTS Gather GIS datasets from federal, state and local agency websites for environmental and land use data within the study area to identify opportunities and constraints.

OPPORTUNITIES:



from field reconnaissance, public

comments, agency input and/or

the internal project team.

transmission line (i.e., adjacent to existing

transmission line or roadway) **CONSTRAINTS:** Conflicting land use and

environmentally sensitive areas

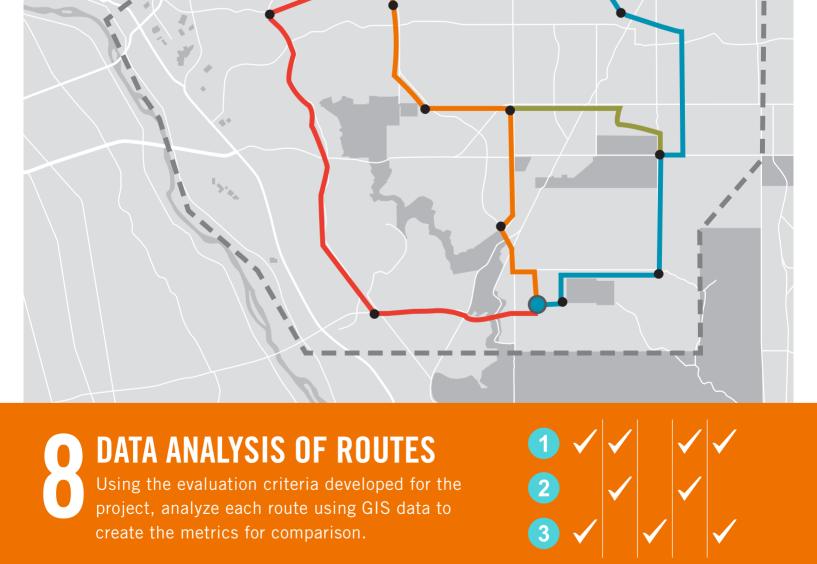
Areas compatible to route a



IDENTIFY ALTERNATE ROUTES

the refined links in a forward progressing manner.

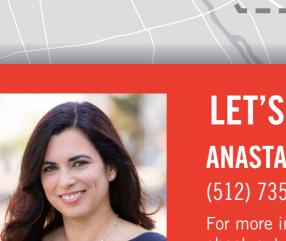
Identify geographically diverse end-to-end routes using



SELECT BEST ALTERNATIVE

potential impacts of all the routes. The shortest route is not always the best route. Often additional route lengths can save time and money by avoiding difficult and costly permitting constraints.

Select the route that best balances the



LET'S TALK ROUTING AND SITING ANASTACIA SANTOS I Project Manager

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Electric Transmission Perspective.

