

The Pathway to Geologic Storage



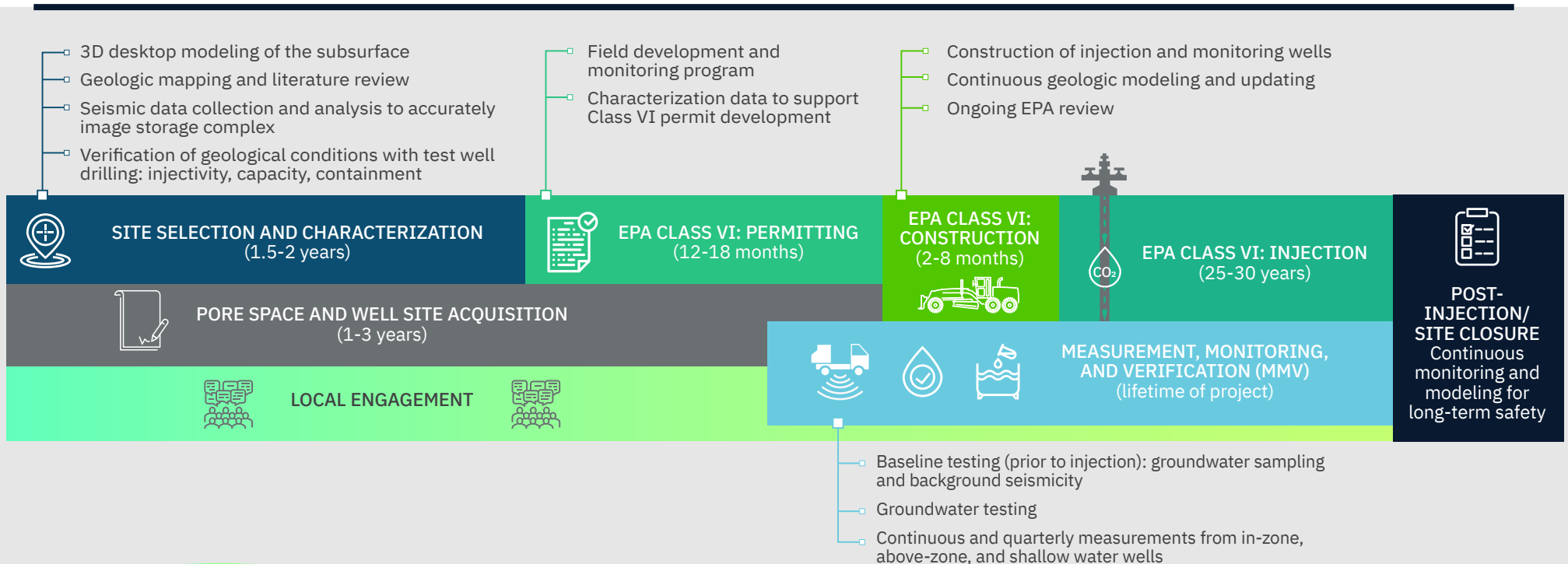
MULTI-YEAR PLANNING ENSURES SAFE, RIGOROUS PROCESS FOR STORAGE

The process of constructing and operating a carbon dioxide (CO₂) storage facility requires years of planning and extensive analysis of historic, modern, and real-time geological data. This complex process assures thorough protection of land, bodies of water, aquifers, and public health.

Once a site has been selected using existing regional geological data, the next step is to advance site-specific knowledge of local subsurface conditions. This begins with computer-based modeling and simulation that incorporates decades of geological data within the sequestration footprint. New data acquired from seismic surveys and project wells are then added to the models to

provide a more comprehensive evaluation of the site's geologic setting. Once storage begins, the injection and monitoring data are continuously fed back into computer models for refinement of the sequestration footprint.

Heartland Greenway follows the rigorous guidelines of the US Environmental Protection Agency and its EPA Class VI permitting process – long before any carbon dioxide (CO₂) is injected deep underground via injection wells. Below is an overview of all the essential steps we take to ensure the comprehensive and continuous protection of both land and water resources, including aquifers.



WANT TO LEARN MORE?

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