

Energy Industry Overview Map - Natural Gas: Upstream

written by Lauri Moon | August 7, 2025



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The upstream sector of the natural gas industry refers to the initial phases of the entire value chain, primarily involving exploration, drilling, and extraction of natural gas and crude oil from underground reservoirs. It includes activities such as geological surveys, seismic studies to locate reserves, test drilling, and actual extraction of raw natural gas from the earth. This webinar will highlight the industry activity, walk through the processes, and identify areas of opportunities for manufacturers to engage in the shale energy supply chain.

The Energy & Manufacturing in Appalachia (EMA) project helps manufacturers understand and navigate opportunities in the vast energy supply chains. The EMA team, along with outside experts, have developed supply chain maps for each energy segment or sub-segment to help manufacturers navigate these industry sectors.

The supply chain maps provide introductory overview of the market size, key drivers, supply chain needs, and components for each of the specific segments. Additional resources are provided to learn more about the industry and keep up-to-date on the latest advancements, opportunities, and potential funding opportunities as well.

The webinar will explore an understanding of the different types of data centers, regional market potential, and a look at the different components required for the

energy needs, construction, and internal hardware, cooling and operations.

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This Natural Gas: Upstream supply chain overview was drafted by Matt Henderson of Henderson Consulting. Matt has been engaged in the shale energy supply chain for nearly 20 years helping businesses explore, expand, and engage in opportunities in the natural gas industry. His work has taken him all across the Appalachian Basin as well as globally explaining the drilling process, impacts, benefits, and opportunities for manufacturers and businesses.