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Companies Which Could Profit by Locating Near Our Robust Chemical Manufacturing Industry

*(Building/Construction Materials, Polymer-Based Products, Adhesives,
Further Chemical Development)*

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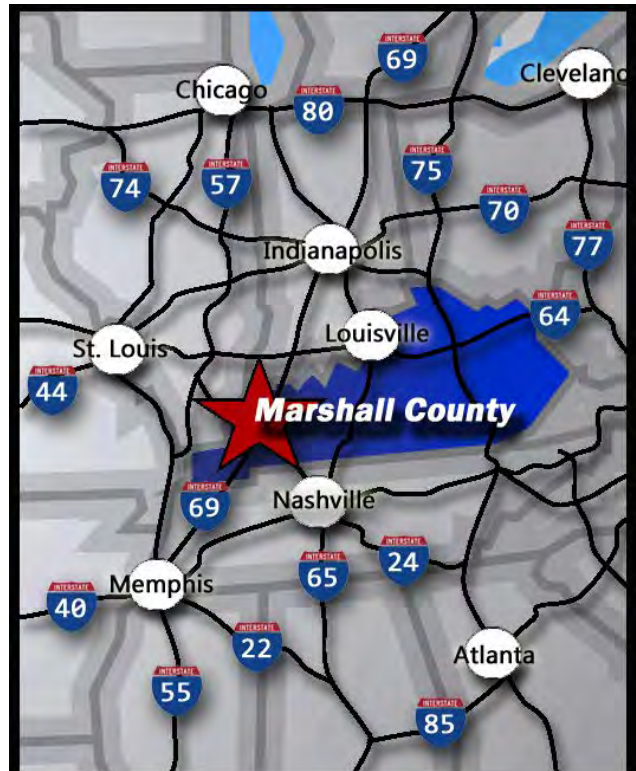


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Following research into the chemical plants currently located within Marshall County, common downstream customers were identified as being possible targets to recruit due to the benefit they would receive from being near our chemical supply chain.

Supply Chain

Companies in Marshall County are buying over \$385 million in chemicals supplies annually, with over \$211 million in these chemical supplies being bought from outside the region.



Based on a 2020 supply chain analysis, potential downstream chemical targets that could benefit by locating in Marshall County:

- Sampling of companies located in Marshall County which manufacture products used in Building and Construction Materials
 - ◇ 3A Composites – Composite panels and materials
 - ◇ Wacker Chemical Corporation – Dispersions and dispersible polymer powders for adhesives, paints, and construction sectors
 - ◇ Sekisui Specialty Chemicals – Polyvinyl alcohol products found in building and construction, textiles, films, ceramics, coatings, packaging, and oilfield cementing.
 - ◇ PSP - Plastic pipe, fittings, and vinyl fence.



■ Sampling of companies located in Marshall County which manufacture products used in Polymer-Based Products

- ◇ Arkema - Forane refrigerants and blowing agents, Kynar PVDF polymer resin, VF2 monomer, and hydrochloric acid
- ◇ Lubrizol Corporation – Carbopol polymer to thicken, preserve and suspend customers' products for pharmaceutical, personal/home care, batteries, and adhesive sectors.
- ◇ Westlake Chemical – Polyvinyl chloride (PVC) plastics and vinyl chloride copolymers for PVC resin
- ◇ Wacker Chemical Corporation – Dispersions and dispersible polymer powders for adhesives, paints, and construction sectors



■ Sampling of companies located in Marshall County which manufacture products used in Adhesives.

- ◇ Wacker Chemical Corporation – Dispersions and dispersible polymer powders for adhesives, paints, and construction sectors
- ◇ Sekisui Specialty Chemicals – Polyvinyl alcohol products found in adhesives, paper, building and construction, textiles, films, ceramics, coatings, packaging, and oilfield cementing.
- ◇ HB Fuller - Adhesives provider focusing on perfecting adhesives, sealants and other specialty chemicals
- ◇ General Rubber and Plastics - Industrial hoses & ducting, adhesives, sealants, belting & belting accessories, clamps, fittings, couplings, seals, O-rings, industrial lubricants, paints, coatings, diaphragms, oil absorbents, hand carts, industrial fans, ergonomic matting, gloves & safety goggles.



■ Sampling of companies located in Marshall County which manufacture products used in further Chemical Development

- ◇ Cymetech Chemicals - Hydrocarbons, specifically dicyclopentadiene, resin former, resin oil heavies, after market auto/truck parts, RM in fertilizer, RM in plastics.
- ◇ Evonik - Manufacture acetylenics for specialty products
- ◇ Ashland Chemical - Acetylene derivative specialty chemicals
- ◇ Estron Chemical – Powder coatings technology including flow control additives, matting agents, catalysts, curing agents, GMA curing resins, acrylic resins, epoxy curing agents, degassing agents, masterbatches, and waxes
- ◇ Arkema - Forane refrigerants and blowing agents, Kynar PVDF polymer resin, VF2 monomer, and hydrochloric acid



Chemical & Plastics Complex

Boasting both Rail, River, and nearby Interstate access, Marshall County is home to the Calvert City Chemical & Plastics complex where industrial production includes specialty chemicals, plastics, ferroalloys, and vinyls.



Sampling of the Plastics, Chemicals, and support industries currently located at the complex:



Recent Expansions

- ▶ *Marshall Calvert City Cymetech Corporation (2019) \$953,062 towards production of chemicals, hydrocarbons, specifically dicyclopentadiene, resin former, resin oil heavies, after market auto/truck parts, RM in fertilizer, RM in plastics.*
- ▶ *Marshall Calvert City Cymetech Corporation (2018) \$703,000 towards production of chemicals, hydrocarbons, specifically dicyclopentadiene, resin former, resin oil heavies, after market auto/truck parts, RM in fertilizer, RM in plastics.*
- ▶ *Marshall Calvert City The Lubrizol Corporation (2018) \$25,000,000 towards the production of carbopol polymers*

Labor Availability / Skills of Labor Market

The labor shed has seen the following growth in Chemical related jobs over the last 5 years

- 120% growth in people employed in Plastics Pipe and Pipe Fitting Manufacturing
- 25% growth in people employed in Plastics Plumbing Fixture Manufacturing
- 18% growth in people employed in Adhesive Manufacturing
- 13% growth in people employed in Cleaning Supply Preparation Manufacturing
- 11% growth in people employed in All Other Plastics Product Manufacturing
- 11% growth in people employed as Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
- 8% growth in people employed in All Other Rubber Product Manufacturing
- 7% growth in people employed as Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders

The labor shed is home to highly skilled workers in the Chemical and related sectors. Below are a few examples of how our workforce compares to the United States average.

- **20 times the US average** of people employed in Medicinal and Botanical Manufacturing
- **16 times the US average** of people employed in Plastics Material and Resin Manufacturing
- **16 times the US average** of people employed in All Other Rubber Product Manufacturing
- **13 times the US average** of people employed in All Other Miscellaneous Chemical Product and Preparation Manufacturing
- **11 times the US average** of people employed in Plastics Plumbing Fixture Manufacturing
- **10 times the US average** of people employed in Adhesive Manufacturing
- **8 times the US average** of people employed in All Other Basic Organic Chemical Manufacturing
- **6 times the US average** of people employed in Plastics Pipe and Pipe Fitting Manufacturing
- **5 times the US average** of people employed in Rubber Product Manufacturing for Mechanical Use
- **5 times the US average** of people employed in Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
- **4 times the US average** of people employed as Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
- **3 times the US average** of people employed in Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
- **2 times the US average** of people employed as Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
- **2 times the US average** of people employed as Industrial Machinery Mechanics
- **2 times the US average** of people employed in All Other Plastics Product Manufacturing
- **2 times the US average** of people employed as Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- **2 times the US average** of people employed as Forging Machine Setters, Operators, and Tenders, Metal and Plastic
- **2 times the US average** of people employed as Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
- **Over the US average** of people employed as Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders

Chemical Production in Kentucky

Kentucky has identified chemical production as one of our targeted industries where there is a particular strength in our state. In fact, last year, Kentucky exported over \$743 million in basic chemicals, a 7.6% increase over the previous year.

Here are additional industry advantages:

- Kentucky ranks 1st in the nation for cost of doing business according to CNBC.
- #1 in FDI jobs by percentage.
- Chemical Industry Companies - More than 210 chemical manufacturing companies operate in Kentucky.

- Chemical Industry Employees - Over 15,000 Kentuckians are employed in chemicals manufacturing.

Utility Infrastructure

Electric Power Providers

We are served by a variety of electric power providers, giving our area some of the lowest electric power costs in the United States.

- West Kentucky Rural Electric
- Benton Electric System
- TVA
- Jackson Purchase Energy



West Kentucky
Rural Electric
Your Touchstone Energy
Cooperative



Workforce Training Programs

Public training and support is available to the manufacturing industry in our region and in KY. West Kentucky Community and Technical College (WKCTC) is a valuable regional workforce asset with its strong technical education programs that are vital to manufacturing organizations. WKCTC also partners with the University of Kentucky to offer mechanical and chemical engineering curriculum. Murray State University's School of Engineering also provides graduates with concentrations in Electromechanical Engineering Technology & Manufacturing Engineering Technology



Kentucky also has a variety of state programs offering support including the Kentucky Skills Network, Bluegrass State Skills Corporation, KY FAME, and Kentucky Wins In-Kind Training.

Kentucky Skills Network

- Designed to be a business' first stop for all workforce needs, the Kentucky Skills Network brings together a wide variety of resources to design custom solutions for businesses of all sizes.

KY FAME

- The Kentucky Federation for Advanced Manufacturing Education (KY FAME) is a company-sponsored partnership of statewide employers who share the goal of creating a pipeline of skilled workers. Employers start training students while they are in school.

Bluegrass State Skills Corporation (BSSC)

- Provides incentives to support Kentucky business' efforts to help new and existing employees stay competitive through flexible, employer-driven skills-upgrade training.
- Grant-in-Aid (GIA): Grant reimbursement for workforce and skills training upgrade costs for new and expanding companies.
- Skills Training Investment Credit (STIC): Tax credit to offset worker training costs.

Kentucky Wins In-Kind Training

- In-kind assistance through the local community colleges in workforce recruiting, screening and training.

Transportation Infrastructure

Marshall County is the leader in several industries such as the automotive, manufacturing, infrastructure, shipping, and transportation industries. Railroad access is also majorly accessible in Marshall County, providing access to cities such as Madisonville and Louisville which extends the railway system to major cities such as Chicago and St. Louis.

Interstate Access:

Thanks to Interstate 24 (east-west) and Interstate 69 (north-south) that run through Marshall County, consumers and suppliers from nearby cities such as Nashville, Memphis, Atlanta, and St. Louis are all just a few hours drive away.



AIR ACCESS

Barkley Regional Airport is located just 20 minutes away and provides two daily nonstop flights from Paducah to Chicago O'Hare via United/SkyWest. Barkley features two runways. Lengths are 5,500 feet and 6,500 feet by 150 feet wide. Marshall County residents also frequently fly from Nashville International Airport, which is just an hour and a half away. Barkley Regional Airport (PAH) – 2 daily flights via United Airlines to O'hare



RIVER ACCESS

We are located on the Tennessee River which provides nearby maritime access to the Ohio, Mississippi, and Cumberland Rivers. This inland waterway access provides us river access to New Orleans, Memphis, Mobile, Nashville, Louisville, Cincinnati, St. Louis, Pittsburgh, and many additional cities.

RAIL ACCESS

We are served by the Paducah and Louisville Railway (P&L) which interchanges with the BNSF, CN, CSX, and NS Railroads.

Featured Real Estate



Southwest One Industrial Park

- 270 Divisible Acres
- 4 lane highway access
- 2 miles from Interstate 69
- Environmental Phase 1 Completed
- No Flood Plain
- Underground Electricity
- Fiber Network Redundancy (AT&T & Munitel)
- [Click Here to learn more](#)



See other buildings and sites at kledc.com



Incentives

Marshall County boasts an attractive incentives package for industrial development incentives at the local, regional, and state level.

Targeted Industry Study Completed by www.thenextmovegroup.com



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