

Ohio

Construction Projects

Major Projects (\$5M+), 2012-17



Ohio Fact Sheet, 2012-17

Pharmaceutical & Biotech Manufacturing

Number of Major Projects
(\$5+ million) **11**

Major Project Valuation
(Any major project active between 2012 and 2017) **\$317 million**

Total Construction Spending
(Capital and maintenance expenditure, 2012-17) **\$703 million**

Largest Construction Projects, Pharmaceutical and Biotech Manufacturing, 2012-2017

Project Owner	City	State	Years	Project Value (in \$ millions)
PharmaForce Incorporated New Albany Grassroot Sterile Pharmaceutical CMO Plant	New Albany	OH	2010-2012	\$60.0
Boehringer Ingelheim Roxane Incorporated Columbus Generic Liquid and Solid Dose Plant Renovation/Expansion	Columbus	OH	2012-2014	\$50.0
Forest Pharmaceuticals Incorporated Blue Ash Grassroot Branded Pharmaceutical Oral Dose Packaging and Testing Plant	Blue Ash	OH	2013-2014	\$47.0
Amylin Pharmaceuticals Incorporated West Chester API Bulk 3 Unit Addition	West Chester	OH	2014-2015	\$35.0
Alkermes Incorporated plc Wilmington Central Nervous System Disorder Therapeutics Plant Expansion	Wilmington	OH	2017-2018	\$30.0
AmerisourceBergen Corporation Lockbourne Pharmaceutical Distribution Center Addition	Lockbourne	OH	2013-2014	\$28.0
Aprecia Pharmaceuticals Company Blue Ash Pharmaceutical Zipdose Oral Single Dose Plant Retrofit	Blue Ash	OH	2015-2015	\$25.0
Aprecia Pharmaceuticals Company Blue Ash Pharmaceutical Oral Single Dose "Zipdose" Plant Equipment Addition	Blue Ash	OH	2016-2017	\$15.0
West-Ward Pharmaceuticals Incorporated Columbus Generic Liquid & Oral Solid Dose CMO Packaging Building 37 Addition	Columbus	OH	2016-2018	\$15.0
Abeona Therapeutics Incorporated Cleveland Elisa Linton Center for Rare Disease Cell Therapies Manufacturing Add	Cleveland	OH	2017-2018	\$7.0

Ohio

Construction Employment



Union Labor & Earnings, 2012-17

Pharmaceutical & Biotech

Labor Hours Demanded
(14 trades, installation and maintenance) **1.4 million**

Union Labor Hours (est.)
(State union % in non-residential = 33.1%) **473,221**

Average Union Wage
(Union construction workers, 2017 dollars) **\$26.42**

Total Union Earnings (est.)
(Union hours times average wage) **\$12.5 million**

Ohio Construction Labor Hours by Trade, Pharmaceutical & Biotech, 2012-17

	Installation	Maintenance	Total
Boilermaker	9,672	7,802	17,474
Carpenter	41,175	63,545	104,720
Electrician	241,223	213,285	454,507
HVAC Installers	23,333	3,702	27,035
Instrumentation Tech	145,705	77,418	223,123
Insulator	21,481	18,717	40,198
Ironworker	20,976	61,343	82,319
Laborer	45,762	23,877	69,639
Millwright	33,406	70,466	103,872
Operator	52,712	17,962	70,674
Painting	7,613	17,711	25,324
Plumber + Pipefitter	100,606	22,650	123,256
Scaffolding	17,441	12,331	29,773
Welder	14,877	43,097	57,975
	775,983	653,906	1,429,888



New Albany, OH - PharmaForce Incorporated, New Albany Grassroot Sterile Pharmaceutical CMO Plant (\$60 million construction in 2010-12)

Industry Analysis: Ohio

Pharmaceutical Manufacturing (2017) (NAICS = 325400)

Firms **61**
Employees **5,251**
Annual Wages **\$408 million**

Data Sources:

Pharmaceutical and biotech industry data (projects, spending, labor hours demanded) from Industrial Information Resources (IIR). Average hourly wage for union construction workers from the Current Population Survey. State industry employment data from the Bureau of Labor Statistics (QCEW) using the North American Industry Classification System (NAICS). Note: Pharmaceutical manufacturing industry statistics (above) do not represent the entirety of the pharmaceutical and biotech industry featured in this study. Most significantly, in addition to NAICS 325400 ("Pharmaceutical Manufacturing"), other industry jobs comprise a subset of NAICS 541700 ("Scientific R&D Services").

Photo credit: US Geological Survey.