

Maryland

Construction Projects

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



Maryland Fact Sheet, 2012-17

Pharmaceutical & Biotech Manufacturing

Number of Major Projects
(\$5+ million) **13**

Major Project Valuation
(Any major project active between 2012 and 2017) **\$769 million**

Total Construction Spending
(Capital and maintenance expenditure, 2012-17) **\$1.06 billion**

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

Project Owner	City	State	Years	Project Value (in \$ millions)
MedImmune LLC Frederick Manufacturing Center (FMC) Biologics Plant Building 636 Expansion	Frederick	MD	2015-2017	\$250.0
Emergent BioSolutions Incorporated Baltimore Anthrax and Flu Vaccine Plant Expansion	Baltimore	MD	2015-2018	\$150.0
GlaxoSmithKline PLC Rockville Biopharmaceutical Benlysta Raxibacumab Autoimmune Plant Retrofit	Rockville	MD	2017-2018	\$139.0
United Therapeutics Corporation Silver Spring Biologics Liquid Drug Substance Manufacturing Unit Addition	Silver Spring	MD	2017-2018	\$85.0
United Therapeutics Corporation Silver Spring Biomedical Product Research Unisphere Building Expansion	Silver Spring	MD	2016-2018	\$65.0
Paragon Bioservices Incorporated Baltimore UMB Paragon Biopark Building II Addition	Baltimore	MD	2011-2012	\$18.0
Pharmaceutics International Incorporated Hunt Valley Aseptic Fill/Finish Plant Expansion	Hunt Valley	MD	2012-2012	\$15.0
MedImmune LLC Frederick Antibodies & Vaccines CMO Plant Warehouse Bldg #630 Renovation/Fit-Up	Frederick	MD	2017-2017	\$15.0
Jubilant Cadista Pharmaceuticals Incorporated Salisbury Generic Tablets and Capsules CMO Plant Expansion	Salisbury	MD	2013-2015	\$10.0
MedImmune LLC Frederick Antibodies & Viral Vaccines CMO Plant 2017 Rolling Maintenance Program	Frederick	MD	2017-2017	\$7.0

Maryland

Construction Employment

Union Labor & Earnings, 2012-17

Pharmaceutical & Biotech

Labor Hours Demanded
(14 trades, installation and maintenance) **2.1 million**

Union Labor Hours (est.)
(State union % in non-residential = 21.2%) **454,585**

Average Union Wage
(Union construction workers, 2017 dollars) **\$28.12**

Total Union Earnings (est.)
(Union hours times average wage) **\$12.8 million**

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

	Installation	Maintenance	Total
Boilermaker	17,988	8,407	26,395
Carpenter	76,575	68,480	145,054
Electrician	448,612	229,848	678,460
HVAC Installers	43,739	4,061	47,800
Instrumentation Tech	270,973	83,430	354,403
Insulator	39,949	20,171	60,120
Ironworker	39,010	66,107	105,116
Laborer	85,106	25,731	110,837
Millwright	62,127	75,938	138,065
Operator	98,030	19,357	117,387
Painting	14,159	19,086	33,245
Plumber + Pipefitter	187,102	24,409	211,511
Scaffolding	32,436	13,289	45,725
Welder	27,668	46,444	74,112
	1,443,473	704,759	2,148,231



Rockville, MD - GlaxoSmithKline PLC, Rockville Biopharmaceutical Benlysa Raxibacumab Autoimmune Plant Retrofit (\$139 million construction in 2017-18)

Industry Analysis: Maryland

Pharmaceutical Manufacturing (2017) (NAICS = 325400)

Firms **105**
Employees **8,333**
Annual Wages **\$1.2 billion**

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.