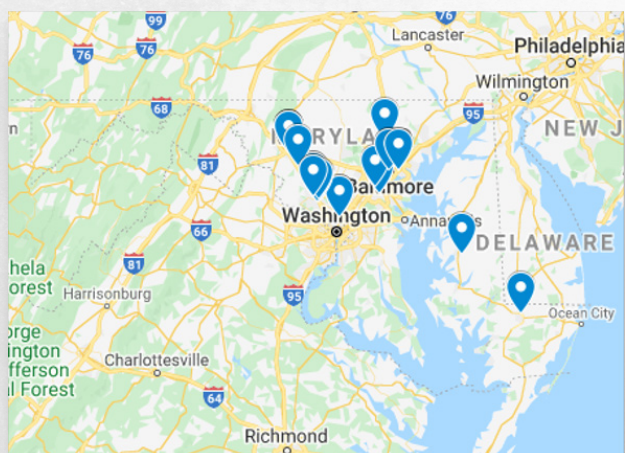


## CONSTRUCTION PROJECTS MARYLAND

### Major Projects (5M+) 2015-20



### Maryland Fact Sheet, 2015-20 Pharmaceutical & Biotech Mfg and R&D

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

**30**

**Major Project Valuation**  
(Any major project active  
between 2015 and 2020)

**\$1.56  
billion**

**Total Construction Spending**  
(Capital and maintenance  
expenditure, 2015-20)

**\$1.70  
billion**

### Largest Construction Projects, Pharmaceutical and Biotech Manufacturing and R&D, 2015-20

Project Owner	City	State	Years	Project Value
<b>MedImmune LLC</b> Frederick Manufacturing Center (FMC) Biologics Plant Building 636 Expansion	<b>Frederick</b>	<b>MD</b>	<b>2015-17</b>	<b>\$250 million</b>
<b>Emergent BioSolutions Incorporated</b> Baltimore Anthrax and Flu Vaccine Plant Expansion	<b>Baltimore</b>	<b>MD</b>	<b>2015-18</b>	<b>\$150 million</b>
<b>Emergent BioSolutions Incorporated</b> Baltimore Bayview Vaccine Bulk Covid-19 Plant Reno/Equipment Add	<b>Baltimore</b>	<b>MD</b>	<b>2020-22</b>	<b>\$150 million</b>
<b>GlaxoSmithKline PLC (GSK)</b> Rockville Biopharmaceutical Benlysta Raxibacumab Autoimmune Plant Retrofit	<b>Rockville</b>	<b>MD</b>	<b>2017-19</b>	<b>\$139 million</b>
<b>Paragon Bioservices, a Catalent Pharma Company</b> Baltimore Gene Therapy CDMO Campus Single-Use System 7565 Harman Rd Expansion	<b>Baltimore</b>	<b>MD</b>	<b>2020-22</b>	<b>\$130 million</b>
<b>Kite Pharma Incorporated</b> Ijamsville (Urbana) Grassroot Chimeric Antigen Receptor T (CAR T) Plant	<b>Ijamsville</b>	<b>MD</b>	<b>2019-22</b>	<b>\$105 million</b>
<b>United Therapeutics Corporation</b> Silver Spring Biologics Liquid Drug Substance Manufacturing Building Addition	<b>Silver Spring</b>	<b>MD</b>	<b>2017-18</b>	<b>\$85 million</b>
<b>Paragon Bioservices, a Catalent Pharma Company</b> Baltimore Brownfield Cell/Gene Therapy & Vaccines Clinical Scale CDMO Plant	<b>Baltimore</b>	<b>MD</b>	<b>2018-19</b>	<b>\$80 million</b>
<b>United Therapeutics Corporation</b> Silver Spring Biomedical Product Research Unisphere Building Expansion	<b>Silver Spring</b>	<b>MD</b>	<b>2016-18</b>	<b>\$65 million</b>
<b>Novavax Incorporated</b> Gaithersburg Brownfield Pilot Covid-19 Vaccine Plant Conversion Phase 2	<b>Gaithersburg</b>	<b>MD</b>	<b>2020-21</b>	<b>\$55 million</b>

# CONSTRUCTION EMPLOYMENT MARYLAND

## Construction Labor Overview, 2015-20 Pharmaceutical & Biotech Mfg and R&D

**3,427,680**

### Total Labor Hours

(14 trades; installation and maintenance)

**598,832**

### Union Labor Hours (est.)

(State union % in non-residential = 17.5%)

**\$19,024,904**

### Union Earnings (est.)

### Industry Analysis: Maryland

#### Pharmaceutical Manufacturing (2019) (NAICS = 325400)

**Firms:**  
129

**Employees:**  
9,308

**Annual Wages:**  
\$1.28 billion

#### Data Sources

Pharmaceutical and biotech industry data (projects, spending, labor hours demanded) from Industrial Information Resources (IIR). State industry employment data from the Bureau of Labor Statistics (QCEW) using the North American Industry Classification System (NAICS). State union percent in non-residential construction calculated by dividing union members in construction (unionstats.com) by QCEW employment in non-residential construction firms in 2019 (assumes union density equals zero in residential construction). 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: Google Earth.

### Maryland Construction Labor Hours by Trade, Pharmaceutical & Biotech Mfg and R&D, 2015-20

	Installation	Maintenance	Total
Boilermaker	33,150	9,109	42,259
Carpenter	141,121	74,195	215,316
Electrician	826,757	249,032	1,075,788
HVAC Installers	84,573	4,327	88,900
Instrumentation Tech	499,382	90,393	589,776
Insulator	73,623	21,855	95,477
Ironworker	71,892	71,624	143,516
Laborer	156,844	27,878	184,722
Millwright	114,494	82,276	196,770
Operator	180,662	20,973	201,635
Painting	26,094	20,679	46,773
Pipefitter	344,815	26,446	371,261
Scaffolding	59,777	14,398	74,175
Welder	50,990	50,321	101,311
<b>Total</b>	<b>2,664,173</b>	<b>763,507</b>	<b>3,427,680</b>