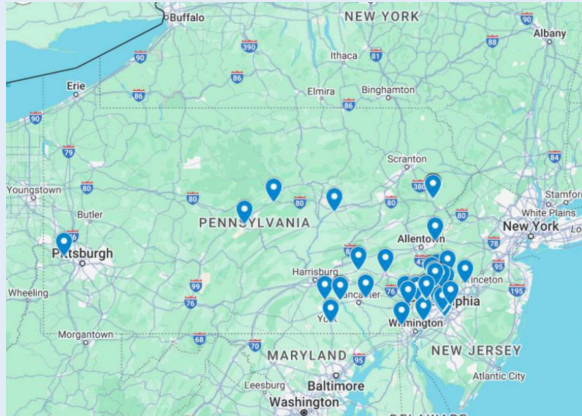


PENNSYLVANIA CONSTRUCTION PROJECTS

Major Projects (\$5M+) 2019-2024



Pennsylvania Fact Sheet, 2019-2024

Pharmaceutical & Biotech Mfg and R&D

Number of Major Projects
(\$5+ million)

95

Major Project Valuation
(Any major project active between 2019 and 2024)

\$6.97 billion

Total Construction Spending
(Capital and maintenance expenditure, 2019-2024)

\$5.93 billion

Largest Construction Projects, Pharmaceutical and Biotech Manufacturing and R&D, 2019-2024

Project Owner	City	State	Years	Project Value
Center for Breakthrough Medicines King Of Prussia Brownfield Multi-Phase Plasmid DNA/Viral Vector/Cell Bank CDMO	King of Prussia	PA	2020-23	\$1,100 million
Spark Therapeutics Incorporated Philadelphia Brownfield Gene Therapy Innovation Center CDMO Plant	Philadelphia	PA	2022-26	\$575 million
Sanofi Incorporated Swiftwater Flu Vaccines Flu Bldg (#79) & Central Utilities Plant (#80) Additions	Swiftwater	PA	2016-19	\$425 million
Merck and Company Incorporated West Point Sterile Injectables/Oral Solutions Vaccines Fill/Finish Bldg Wp50 Add	West Point	PA	2021-23	\$350 million
Brandywine Realty Trust Philadelphia Grassroot West Tower at Schuylkill Yards Life Science R&D	Philadelphia	PA	2021-23	\$287 million
University City Science Center Philadelphia One UCity Square Life Science Building Addition	Philadelphia	PA	2020-22	\$280 million
Keystone Redevelopment Group Philadelphia Brownfield Landmark "The Curtis" Redevelopment Life Science Bldg	Philadelphia	PA	2023-24	\$265 million
SkyREM LLC Philadelphia Brownfield Quartermaster Science And Technology Park Conversion	Philadelphia	PA	2023-26	\$250 million
Brandywine Realty Trust Philadelphia Brownfield Sy Life Science Gmp, Vivarium, & Lab (3151 Market St)	Philadelphia	PA	2022-25	\$235 million
University Place Associates Philadelphia Grassroot 3.0 University Place Life Science R&D Building	Philadelphia	PA	2021-23	\$221 million

PENNSYLVANIA CONSTRUCTION EMPLOYMENT

Industry Analysis: PENNSYLVANIA

**Pharmaceutical
Manufacturing (2023)**
(NAICS = 325400)

Firms:
163

Employees:
20,488

Annual Wages:
\$3.25 billion

Wages per Employee:
\$158,671

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 blue-collar QCEW employment in nonresidential construction firms in 2019 (assumes union density equals zero in residential construction; blue-collar percentage from NAICS=23 using the BLS Occupational Employment Statistics series). 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").

Construction Labor Overview, 2019-2024 Pharmaceutical & Biotech Mfg and R&D

Total Labor Hours
(14 trades; installation and maintenance) **13,623,355**

Union Labor Hours (est.)
(Estimated state union% in non-residential blue-collar construction trades = 57.1%) **7,779,348**

Union Earnings (est.) **\$309,785,930**

Pennsylvania Construction Labor Hours by Trade, Pharmaceutical & Biotech Mfg and R&D, 2019-2024

	Installation	Maintenance	Total
Boilermaker	149,126	19,593	168,719
Carpenter	634,836	159,586	794,422
Electrician	3,719,178	535,642	4,254,820
HVAC Installers	376,596	9,467	386,063
Instrumentation Tech	2,246,479	194,427	2,440,906
Insulator	331,193	47,007	378,199
Ironworker	323,407	154,056	477,463
Laborer	705,566	59,963	765,529
Millwright	515,055	176,967	692,022
Operator	812,709	45,111	857,820
Painting	117,385	44,479	161,863
Plumber + Pipefitter	1,551,155	56,882	1,608,037
Scaffolding	268,907	30,969	299,876
Welder	229,379	108,234	337,614
Total	11,980,971	1,642,384	13,623,355