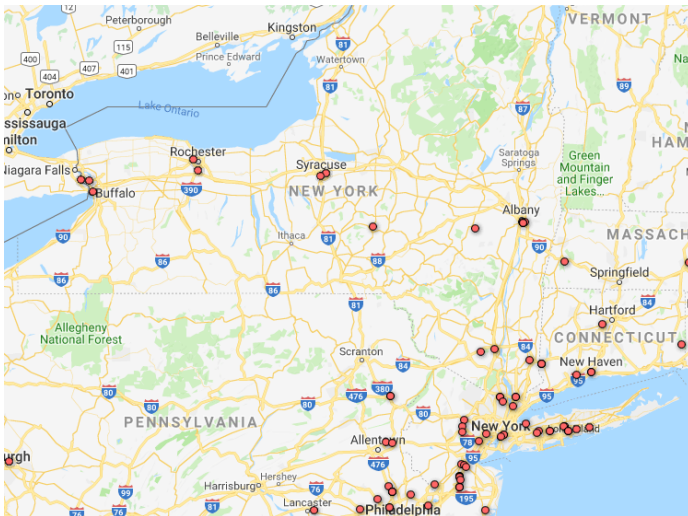


New York Construction Projects

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



New York Fact Sheet, 2012-17

Pharmaceutical & Biotech Manufacturing

Number of Major Projects
(\$5+ million) **39**

Major Project Valuation
(Any major project active between 2012 and 2017) **\$1.26 billion**

Total Construction Spending
(Capital and maintenance expenditure, 2012-17) **\$2.23 billion**

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

Project Owner	City	State	Years	Project Value (in \$ millions)
Alexandria Real Estate Equities Incorporated New York Alexandria Center for Life Science Phase II West Tower Addition	New York	NY	2012-2013	\$150.0
Regeneron Pharmaceuticals Incorporated Tarrytown Mount Pleasant Pharmaceutical R&D Campus Expansion	Tarrytown	NY	2013-2015	\$150.0
Amneal Pharmaceuticals, LLC Yaphank Generic Oral Solids and Softgels Plant Expansion	Yaphank	NY	2012-2015	\$100.0
Kedrion Melville Incorporated Melville Blood Plasma Fractionation CMO Plant Renovation/Fit-Up	Melville	NY	2016-2017	\$100.0
McKesson Corporation Hamptonburgh Grassroot Pharmaceutical Distribution Center	Montgomery	NY	2015-2017	\$85.2
Regeneron Pharmaceuticals Incorporated Rensselaer (East Greenbush) Clinical-Scale Injectable Biologics Plant Expansion	Rensselaer	NY	2013-2015	\$75.0
Regeneron Pharmaceuticals Incorporated Tarrytown Greenburgh Pharmaceutical R&D Expansion	Tarrytown	NY	2013-2013	\$50.0
AmerisourceBergen Corporation Newburgh Grassroot Pharmaceutical Distribution Center	Newburgh	NY	2016-2018	\$47.0
Fresenius Kabi USA LLC Grand Island Pharmaceutical Plant Expansion	Grand Island	NY	2011-2012	\$38.0
Cipla Incorporated Central Islip Generic Pharmaceutical Capsule and Tablet Plant Addition	Central Islip	NY	2016-2018	\$38.0

New York

Construction Employment



Union Labor & Earnings, 2012-17

Pharmaceutical & Biotech

Labor Hours Demanded
(14 trades, installation and maintenance) **4.5 million**

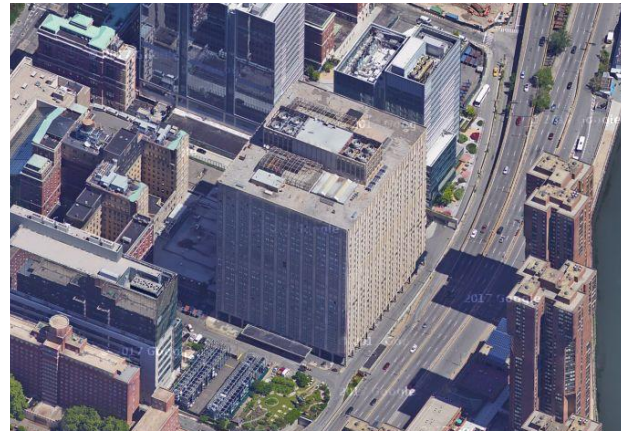
Union Labor Hours (est.)
(State union % in non-residential = 53.6%) **2.4 million**

Average Union Wage
(Union construction workers, 2017 dollars) **\$28.02**

Total Union Earnings (est.)
(Union hours times average wage) **\$67.8 million**

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

	Installation	Maintenance	Total
Boilermaker	35,533	19,805	55,337
Carpenter	151,263	161,315	312,578
Electrician	886,173	541,442	1,427,615
HVAC Installers	87,982	9,243	97,225
Instrumentation Tech	535,271	196,532	731,804
Insulator	78,914	47,516	126,430
Ironworker	77,058	155,725	232,783
Laborer	168,116	60,613	228,729
Millwright	122,723	178,884	301,606
Operator	193,645	45,599	239,244
Painting	27,969	44,960	72,930
Plumber + Pipefitter	369,595	57,498	427,094
Scaffolding	64,073	31,305	95,377
Welder	54,654	109,407	164,061
	2,852,969	1,659,843	4,512,813



New York, NY - Alexandria Real Estate Equities Incorporated, New York Alexandria Center for Life Science Phase II West Tower Addition (\$150 million construction in 2012-13)

Industry Analysis: New York

Pharmaceutical Manufacturing (2017) (NAICS = 325400)

Firms **194**
Employees **20,435**
Annual Wages **\$1.6 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.