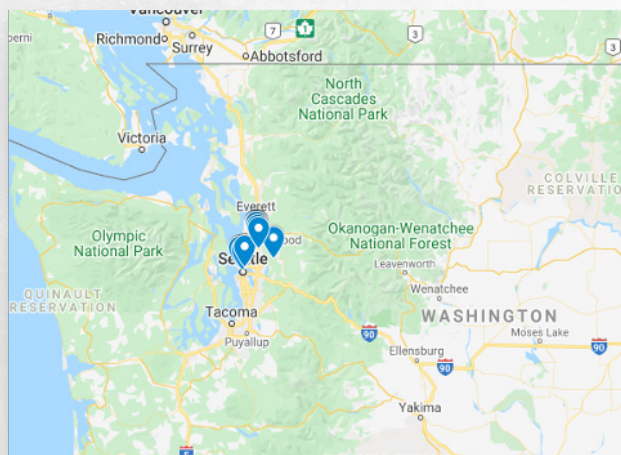


CONSTRUCTION PROJECTS WASHINGTON

Major Projects (5M+) 2015-20



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

Number of Major Projects
(\$5+ million)

17

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

**\$345
million**

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

**\$445
million**

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

Project Owner	City	State	Years	Project Value
Just Evotec Biologics, Inc. Redmond Grassroot Bulk Biologics Single Use CMO Plant	Redmond	WA	2019-21	\$85 million
Lyell Immunopharma Incorporated Bothell Brownfield Immune Cell Therapy Plant	Bothell	WA	2020-21	\$65 million
Adaptive Biotechnologies Corporation Seattle GR Eleven65 Eastlake Immune Clinical Diagnostics & Therapeutics R&D Bldg	Seattle	WA	2019-21	\$35 million
Juno Therapeutics Incorporated Seattle Cancer Immunotherapies R&D Laboratory Addition/Tenant Fit-Out	Seattle	WA	2016-17	\$30 million
Selkirk Pharma Spokane Grassroot Sterile Injectable Fill-Finish CMO Plant	Spokane	WA	2020-21	\$30 million
AGC Biologics Incorporated Bothell Biologics, Antibodies & Proteins R&D Plant Renovation and Upfit	Bothell	WA	2019-21	\$20 million
Juno Therapeutics Incorporated Bothell Cell-Based Cancer Immunotherapies Plant Addition	Bothell	WA	2015-16	\$10 million
Seagen Incorporated Bothell Cancer Antibodies R&D Laboratory Building 5 Expansion	Bothell	WA	2016-17	\$10 million
Seagen Incorporated Bothell Cancer Antibodies R&D Laboratory Building 6 Expansion	Bothell	WA	2018-19	\$10 million
AGC Biologics Incorporated Bothell APIs & Bulk Biologics, Antibodies & Proteins CMO Capacity Expansion	Bothell	WA	2020-21	\$9 million

CONSTRUCTION EMPLOYMENT WASHINGTON

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

899,817

Total Labor Hours

(14 trades; installation and maintenance)

362,665

Union Labor Hours (est.)

(State union % in non-residential = 40.3%)

\$13,237,288

Union Earnings (est.)

Industry Analysis: Washington

Pharmaceutical Manufacturing (2019) (NAICS = 325400)

Firms:
144

Employees:
3,203

Annual Wages:
\$254 million

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.

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

	Installation	Maintenance	Total
Boilermaker	7,891	3,179	11,070
Carpenter	33,592	25,891	59,483
Electrician	196,798	86,901	283,700
HVAC Installers	19,338	1,518	20,856
Instrumentation Tech	118,871	31,543	150,415
Insulator	17,525	7,626	25,151
Ironworker	17,113	24,994	42,107
Laborer	37,335	9,728	47,063
Millwright	27,254	28,711	55,965
Operator	43,004	7,319	50,323
Painting	6,211	7,216	13,427
Pipefitter	82,079	9,228	91,307
Scaffolding	14,229	5,024	19,253
Welder	12,137	17,560	29,697
Total	633,378	266,439	899,817