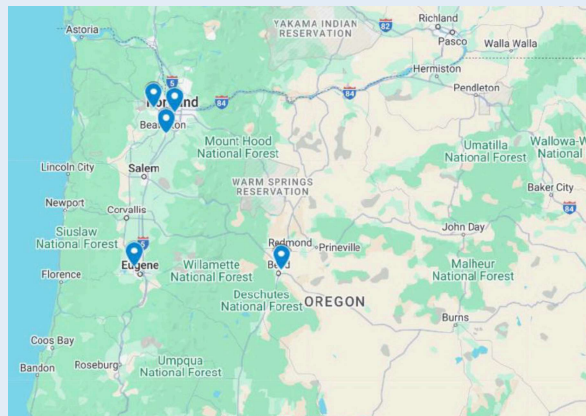


OREGON CONSTRUCTION PROJECTS

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



Oregon Fact Sheet, 2019-2024

Pharmaceutical & Biotech Mfg and R&D

Number of Major Projects
(\$5+ million)

14

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

\$454 million

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

\$524 million

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

Project Owner	City	State	Years	Project Value
Genentech (Roche USA) Incorporated Hillsboro Biopharmaceutical Fill/Finish-Technical Ops Plant "Inest" Building Add	Hillsboro	OR	2019-21	\$170 million
Patheon, by Thermo Fisher Scientific Bend Pre-Clinical Oral Solid Doses & Powders CDMO Building Addition	Bend	OR	2022-23	\$75 million
Twist Bioscience Corporation Wilsonville Brownfield Synthetic DNA "Factory of the Future" Plant	Wilsonville	OR	2021-23	\$50 million
Lonza Bend Research Bend Solid Oral Dose and HPAPI Development Plant Addition	Bend	OR	2017-19	\$35 million
Seran Bioscience LLC Bend Oral Solid Dose, Powders, Spray Drying, APIS CMO Plant Addition	Bend	OR	2021-23	\$25 million
Twist Bioscience Corporation Wilsonville Synthetic DNA-Based Products Plant Renovation and Fit-Up	Wilsonville	OR	2024-25	\$25 million
Lonza Bend Research Bend APIS Drug Formulation Solid Oral Dose Critical Utilities Building Addition	Bend	OR	2024-26	\$15 million
Actylis Eugene Brownfield Active Pharmaceutical Ingredients CMO Plant	Eugene	OR	2021-22	\$14 million
Summit Development Group Portland Eastside Innovation Bioscience Incubator 808 Wetlab Addition	Portland	OR	2019-21	\$12 million
Lonza Bend Research Bend Solid Oral Dosage CMO Plant Laboratory Building Renovations	Bend	OR	2024-25	\$10 million

OREGON CONSTRUCTION EMPLOYMENT

Industry Analysis: OREGON

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

Firms:
98

Employees:
1,198

Annual Wages:
\$85 million

Wages per Employee:
\$70,917

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)

1,053,715

Union Labor Hours (est.)
(Estimated state union% in non-residential blue-collar construction trades = 50.7%)

490,883

Union Earnings (est.)

\$21,456,546

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

	Installation	Maintenance	Total
Boilermaker	10,898	2,140	13,038
Carpenter	43,393	17,428	63,820
Electrician	271,792	58,495	330,287
HVAC Installers	26,309	1,053	27,362
Instrumentation Tech	164,169	21,232	185,402
Insulator	24,203	5,133	29,336
Ironworker	23,634	16,824	40,458
Laborer	51,562	6,548	58,110
Millwright	37,639	19,326	56,965
Operator	59,392	4,926	64,318
Painting	8,578	4,857	13,436
Plumber + Pipefitter	113,356	6,212	119,568
Scaffolding	19,651	3,382	23,033
Welder	16,763	11,820	28,582
Total	874,339	179,375	1,053,715