Intel Oregon: The Silicon Forest

The heart of America's semiconductor R&D since 1974.

U.S. CHIPS and Science Act Funding

Intel plans to invest more than $100 billion in the U.S. over five years to expand chipmaking capacity and capabilities in Arizona, New Mexico, Oregon and Ohio. In Oregon, Intel plans to invest more than $36 billion in Hillsboro, which will enable Intel to deliver industry-leading process technology beyond 2025.

Intel will receive up to **$8.5 billion** in direct funding from the U.S. Department of Commerce under the U.S. CHIPS and Science Act for its U.S. projects. In Oregon, the proposed funding will support Intel's plans to:

- Expand and modernize its technology development facilities to support the development and production of future process nodes, enabling Intel to invent and deliver the process technologies of the future, including Intel 18A, Intel 14A, and beyond.
- Lead the industry by utilizing the world's first high-numerical aperture extreme ultraviolet (High-NA EUV) lithography tool, which is the most advanced lithography technology available.

Oregon is the heart of Intel's leading-edge semiconductor research and technology development efforts and the largest semiconductor innovation cluster in the U.S.

Key technology innovations in Oregon: PowerVia backside power, liquid cooling, quantum computing and Foveros advanced packaging technologies.

Workforce Development

Intel is committed to helping fill the projected labor gap in the semiconductor manufacturing sector and is partnering with educational institutions to build a semiconductor talent pipeline. For example, Intel's programs and partnerships in Oregon include:

National Science Foundation (NSF): Intel committed $50 million toward a $100 million partnership with NSF to expand semiconductor-related education across the country, including in Oregon.

K-12: Intel actively engages local K-12 schools and community colleges to build a STEAM education pipeline.

- **Engineers Week:** Since 2018, Intel has partnered with Portland Metro STEM to host two days of hands-on learning in Beaverton and Hillsboro fourth grade classrooms, reaching over 2,200 students, to teach about the design-thinking engineering process.
- **Junior Achievement:** Intel partners with Junior Achievement to provide hands-on learning opportunities to students in Oregon. The discovery center will provide experiential learning for work readiness and personal finance to students from fourth grade through high school in Clatsop, Columbia, Tillamook and Washington counties.

Community Colleges:

- **Quick Start:** Intel collaborates with Worksystems, Portland Community College, Worksource, Washington County and the City of Hillsboro through the two-week Quick Start program that includes accelerated career preparation and hands-on learning for future technicians. Quick Start aims to increase opportunity for underrepresented groups and women in the field. As of December 2023, 18 Quick Start classes have graduated and 100 graduates have been hired from the program.
- **AI for Workforce:** Intel has made significant investments to establish comprehensive digital readiness programs in the United States to prepare current and future workers with key artificial intelligence (AI) skills. The AI for Workforce program has expanded into Oregon at Umpqua Community College to create a pathway for AI mechanics and technicians in a virtual setting. Intel is collaborating with faculty at Portland Community College to bring the program to their schools.
- **Microelectronics:** Intel partners with Portland Community College on a microelectronics program.

Universities: Intel engages with many Oregon universities – primarily Oregon State University, Portland State University, University of Oregon and others – to support and align the needs of students and workforce development through university research programs, internship and scholarship opportunities and collaboration, and resources around curriculum development.

Returnship: Intel offers a 16-to-20-week paid returnship for experienced professionals ready to return to the workforce after having taken at least a one-year break for starting or raising a family, military service, volunteering, caring for family or self, teaching, or underemployment.

Intel's Economic Impact

Investing in the Silicon Forest for More Than 45 Years

$59B
Intel's capital invested in Oregon to date.

$19B
Intel's annual GDP contribution to Oregon.

500+
Oregon-based Intel suppliers.

$4B+
Intel's spending with Oregon-based suppliers in 2022.

Intel Oregon is the company's largest site, with more than **23,000 employees** and indirectly supporting more than **100,000 jobs** in Oregon. Intel's Oregon investment will support **several thousand new permanent** and **construction jobs** and **thousands of indirect jobs**.

Environmental Stewardship

Intel has a long-standing commitment to corporate responsibility, setting ambitious goals and making strategic investments to drive improvements in environmental sustainability.

In Oregon, Intel has:

Maintained

100%
renewable electricity use since 2013.

Achieved

Net positive water resulting in more than **100%** by volume of freshwater returned and restored to communities.

Funded

Seven local water restoration and enhancement projects across the state, which are estimated to restore **538 million gallons per year** once fully implemented.

Investing in Our Community

Intel works with community leaders and its employees to realize the power of collective action to make the community a more vibrant place for everyone.

1M hours volunteered by employees at Oregon schools and nonprofits in the past five years.

1,300+ local organizations supported through volunteers and grants.

$40.6M contributed by Intel and the Intel Foundation to local schools and organizations.

"Intel plays a foundational role in Oregon's semiconductor industry. We have made strong contributions to maintain Oregon's leadership in chip research and manufacturing, and the historic investments from the Biden-Harris administration through the CHIPS and Science Act will support major opportunities in our state and across the nation."

Oregon Gov. Tina Kotek

"Oregon's Silicon Forest is a world-class hub for our nation's semiconductor industry, and Intel has been at the center of this work for decades. This month's momentous announcement from Commerce Secretary Gina Raimondo echoes what she shared when I invited her to Oregon in April 2023: The CHIPS Act investments will create thousands of high-tech, high-paying jobs that advance American competitiveness and power our local and national economy. This award by the Biden administration to Intel will maintain Oregon's position as the beating heart of the American semiconductor industry, and I look forward to seeing what Intel builds here in Hillsboro."

U.S. Sen. Ron Wyden

"Making chips right here in America is critical to our nation's future — and there is no better combination than Intel's proven leadership in semiconductor manufacturing and Oregon's homegrown talent to set us up for success. This massive federal investment coming to Intel is a huge win for our local and statewide economies that will generate many good-paying jobs, protect our national security with strong domestic supply chains, and cement Oregon's role as a national leader in semiconductor manufacturing for a generation to come."

U.S. Sen. Jeff Merkley

"Investments from the CHIPS and Science Act in Oregon's Silicon Forest will help our region remain one of the world's most important semiconductor and technology ecosystems. I'm thrilled that Intel will expand Oregon's world-class research and development facilities, keeping Hillsboro's Gordon Moore Park at the forefront of innovation. Importantly, this project will create thousands of sustainable, family-wage jobs. Intel has proactively prepared skilled workers to fill these positions by forming ongoing partnerships with the public school system and Portland Community College to develop workforce programs like Quick Start."

U.S. Rep. Suzanne Bonamici