

# Invest in the Internet of Things with IIJA.



The Infrastructure Investment and Jobs Act (IIJA) offers a historic opportunity to upgrade our country's infrastructure. IIJA provides \$1.2 trillion in spending over the next 10 years, including \$550 billion that must be spent over the next five years.

The bill doesn't just fund physical infrastructure, but technology infrastructure. Additionally, IIJA funds can be used for smart technology, or the Internet of Things (IoT), that actually increases the longevity, sustainability, cost-effectiveness and safety of our tangible assets. IoT is a network of physical devices, vehicles, buildings and other infrastructure elements that allow them to collect, exchange, report and analyze data in real time. This information supports more informed decisions and optimized operations.

With IIJA funding, government organizations can invest in IoT technologies to monitor infrastructure assets, identify maintenance needs, improve safety and increase productivity. For example, IoT sensors can be deployed in bridges, highways and other structures to detect cracks, vibrations or other signs of wear and tear. This information can be transmitted in real-time to maintenance crews who can prioritize repairs based on the urgency and severity of the issues. Intelligent devices can also monitor traffic patterns, pedestrian flows and other data to optimize transportation systems and reduce congestion.

## IIJA funding streams

Expenditures are divided between formula-based grants and competitive funding.

**Formula funding:** Congress has established formulas that the appropriate departments (i.e. U.S. [Department of Transportation \(DOT\)](#), [Department of Energy \(DOE\)](#), etc.) will use. There are pre-determined

allocations, but states and localities must still apply for these programs in most cases. State DOTs will provide more information to local governments on the distribution processes in their jurisdictions.

**Competitive funding:** States, localities and other eligible public sector entities can also compete with each other for funding. Designated federal agencies manage the competitive grant programs and the application requirements vary by program. Some of the competitive programs include:

- **Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grants:** A \$7.5 billion program that backs projects that advance safety, sustainability, equity, economic competitiveness, mobility and community connectivity.
- **Advanced Transportation Technologies and Innovative Mobility Deployment:** A \$900 million program that supports multimodal, multijurisdictional or regional infrastructure projects.
- **"Megaprojects" Program:** A \$5 billion program that provides funding to support multimodal, multijurisdictional or regional infrastructure projects.
- **Strengthening Mobility and Revolutionizing Transportation (SMART) Grants Program:** This DOT initiative offers \$100 million a year through 2026 for smart technologies that improve transportation efficiency and safety.

## Helpful Links:

- [White House IIJA Guidebook](#)
- [White House IIJA State Funding Fact Sheets](#)
- [DOT IIJA grant programs](#)
- [DOE IIJA funding opportunities](#)

