

# Infrastructure Investment and Jobs Act

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# Lessons Learned with Grants



1. Don't rush to failure
2. Partnerships prevail
3. Be shovel ready
4. Identify your experts and professionals early
5. Find an entity that has done this successfully before
6. Be 'Audit Ready' before you start
7. Search for 'other people's money' before you start

## **Infrastructure Investment and Jobs Act: Total Funding**

November 15, 2021 – President Biden signs bill

\$1.2 trillion in funding (\$550 billion of which is new spending) for various infrastructure purposes, including roads and bridges, broadband, drinking water resources, airports, electrical vehicles and more

# \$550 billion in new funding

**Transportation:** \$284 billion (U.S. Department of Transportation)

**Water:** \$55 billion (U.S. Environmental Protection Agency)

**Broadband:** \$65 billion (U.S. Department of Commerce)

**Energy & Power:** \$73 billion (U.S. Department of Energy)

**Environmental remediation:** \$21 billion (U.S. Environmental Protection Agency)

**Western water infrastructure:** \$8.3 billion (U.S. Department of the Interior; U.S. Department of Agriculture - U.S. Forest Service)

**Resiliency:** \$46 billion (U.S. Department of Homeland Security)

# Electric Vehicles

- Charging and Fueling Infrastructure Grant Program - \$2.5 billion
  - For deployment of publicly accessible alternative fuel charging infrastructure along alternative fuel corridors.
  - ½ to community grants – can be on public roads.
  - Contract with private entities.
- National Electric Vehicle Formula Program - \$5 billion
  - For electric charging infrastructure and to establish an interconnected network to facilitate data collection, access, and reliability.
  - Apportionment formula for states, 20% cost share.
  - States can contract with private entities.

# Michigan Revolution For Electrification of Vehicles: MiREV

The Michigan Department of Labor and Economic Opportunity, Employment and Training (LEO-E&T) is funding an employer-led collaborative (ELC), designed to respond to specific knowledge and skill demands of the automotive mobility and electrification industry.

- Electric Vehicles/Electrification
- Electric Vehicle Componentry (batteries, battery components)
- Electric Vehicle Supply Equipment (EVSE) chargers and charging infrastructure)

# Multi-State Collaboration on EV

## **Governor Whitmer Announces Partnership with Midwest Governors to Coordinate Electric Vehicle Charging Infrastructure, Grow Jobs, and Futureproof Regional Commerce September 30, 2021**

- Michigan joins Illinois, Indiana, Minnesota and Wisconsin to collaborate on an electric vehicle charging network across Midwest.
- Demand for new EV-related jobs requires cooperative approaches within Midwest Region
- Multi-state effort will support EV manufacturing, futureproof regional commerce, & reduce pollution.

# Michigan Outdoor Recreation

## DNR: Office Of Outdoor Recreation Industry

Outdoor recreation plays an important and growing role in Michiganders' quality of life, leisure time and health. The Office of Outdoor Recreation Industry – a first for our state – works with industry partners from many sectors to **anticipate emerging trends**, create effective policy and elevate outdoor recreation opportunities and resources across Michigan.

# Michigan Outdoor Recreation and Mobility

Marquette County Economic Strategy:

Goal #1: Innovation and Entrepreneurship

-Establish and Outdoor Recreation Innovation District

**Shophouse Park:** A nucleus for Michigan's Outdoor Mobility Innovation to support Testing and Evaluation of emerging mobility products on more than 10,000 miles of trail networks. Investments are planned to electrify the trails and include charging stations with mobile solar power in strategic locations; high speed connectivity; and access to a high performance, secure network

# Institute for the Future (ITIF)

ITIF is an independent, nonprofit strategic research group with more than 40 years of forecasting experience. The core of our work is identifying emerging trends and discontinuities that will transform global society and the global marketplace

Dell Technologies published a report authored by ITIF and a panel of 20 tech, business and academic experts from around the world that states that 85 per cent of the jobs that will exist in 2030 haven't even been invented yet.

# ITIF: Future Work Skills 2020

**Individuals** will need to demonstrate foresight in navigating a rapidly shifting landscape of organizational forms and skill requirements. They will increasingly be called upon to continually reassess the skills they need, and quickly put together the right resources to develop and update these. Workers in the future will need to be adaptable lifelong learners.

**Authors:** Anna Davies, Devin Fidler, Marina Gorbis

# ITIF: Future Work Skills 2020

**Educational institutions** at the primary, secondary, and post-secondary levels, are largely the products of technology infrastructure and social circumstances of the past. The landscape has changed and educational institutions should consider how to adapt quickly in response.

**Authors:** Anna Davies, Devin Fidler, Marina Gorbis

# ITIF: Future Work Skills 2020

**Businesses** must also be alert to the changing environment and adapt their workforce planning and development strategies to ensure alignment with future skill requirements. Strategic human resource professionals might reconsider traditional methods for identifying critical skills, as well as selecting and developing talent. A workforce strategy for sustaining business goals should be one of the most critical outcomes of human resource professionals and should involve collaborating with universities to address lifelong learning and skill requirements.

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# ITIF: Future Work Skills 2020

**Governmental policymakers** will need to respond to the changing landscape by taking a leadership role. For Americans to be prepared and for our businesses to be competitive, policy makers should consider the full range of skills citizens will require, as well as the importance of lifelong learning and constant skill renewal.

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