BEST IN MIDWEST

TALENT FOR TOMORROW
Here’s what’s happening globally.
Global Megatrends

- Accelerating urbanization
- Climate & resource scarcity
- Shift in global economic power
- Demographic changes
- Technological breakthroughs
The global population will rise to 9.8 billion by 2050, a 29% increase from 2017. 68% of this growth will occur in metro areas. 

Source: United Nations
91% of U.S. GDP and 88% of U.S. jobs are generated in metro areas – just 4% of the United States by landmass.

Sources: United States Conference of Mayors; United States Census Bureau
80.7\% of U.S. citizens live in metro areas compared to 70.4\% of Missourians.

Source: United States Census Bureau
By 2030, the global population will need at least 35% more food, 40% more water, and 50% more energy.

Sources: United Nations Educational, Scientific and Cultural Organization; United Nations University
As of 2017, **4.36%** of Missouri’s electricity supply came from renewable sources, but all of the state’s IOUs will reach at least **15%** renewable electricity generation by 2021.

Source: World Bank

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By 2050 64% of the world’s and 55% US of electricity supply will come from renewables.

Source: Bloomberg New Energy Finance
Emerging economies account for 46% of world retail sales, 52% of motor vehicle purchases, and 82% of mobile phone subscriptions.

Source: The Economist
Over 92% of growth in light vehicle assembly between 2016 and 2022 will come from emerging markets, with China alone growing by 10 million units.

Source: PwC

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Exports are 12% of U.S. GDP but only 5% of Missouri’s GSP.

Source: WiserTrade, US Department of Commerce, Bureau of Economic Analysis
By 2030, 28% of Missouri’s population will be 60 or older. By 2028, its working-age population will decline by 2%.

Source: State of Missouri, Office of Health and Senior Services
By 2050, 21% of the global population will be 60 or older, more than double the percentage in 2000.

Source: United Nations
In 2014, the U.S. labor force participation rate was 63%, down from a peak of 67% in the 1990s.

Source: Brookings Institution
Missouri is among the **top 10** states in HS grad rates, but trails the national average of 25 year olds with BA degrees by **2%**.

Source: Missouri Chamber of Commerce
Missouri’s population will only grow 6% per decade between 2000 and 2030, compared to 10% nationally.

Source: State of Missouri, Office of Administration
Within 10 years, we will all have digital copies of our genome, leading to personalized medical therapies.

In 25 years, full robotic eldercare will be possible.

Sources: The Conversation; CNN

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90% of the data that exists today was created in the last two years. Just 0.5% of data has been analyzed.

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Source: SINTEF
Missouri’s labor productivity is 16% lower than the U.S. average, placing the state in the bottom third of the nation.

Source: US Department of Commerce, Bureau of Economic Analysis

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And in Missouri...
Missouri’s economy is growing, but that’s not the full story.

State GDP: $262 billion
(6.6% of the Midwest’s economy, 1.6% of US)

Midwest GDP: $3.974 trillion
Missouri service sector jobs are growing fastest

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<thead>
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<tbody>
<tr>
<td>Goods Producers</td>
<td>▼15%</td>
<td>▲2.5%</td>
</tr>
<tr>
<td>Services</td>
<td>▲7%</td>
<td>▲8.7%</td>
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<tr>
<td>Government</td>
<td>▼1%</td>
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Goods Producers: Manufacturing, Construction, Mining
Services: Trade, Transportation, Finance, Professional Services, Healthcare, etc.

Accelerating urbanization
Across the United States urban regions are growing fastest

Missouri from 2010 to 2017
▲ 3.2%
Metro county population change
▼ 1.1%
Non-metro county population change

14 out of 14 for GDP growth
8 out of 14 for wage growth
9 out of 14 for job growth
11 out of 14 for per capita income
10,668 jobs is not enough
especially when first place is 26,397
Having a quality, readily available workforce is the most important factor in economic development today.
The percentage of Missourians in the workforce is shrinking.
7,000 new Missourians in 2016
26 was the average age of those who moved from another state, well below Missouri’s median which ranges from 38-39.
Missourians who leave the state are generally better educated than those who move here.

Net Importer
less than a high school diploma
high school diploma or equivalent
some college, but no degree
associate degrees

Net Exporter
bachelor's degrees
masters degrees
professional degrees
doctoral degrees
Missouri’s talent pipeline is leaky.

Although Missouri is above the national average in high school graduation rates, we are below average on students making the transition into college and persisting through college.
12 out of 14 for labor productivity
And the gap between Missouri and the U.S. is widening.
Infrastructure is the foundation of the economy, but ours needs work.
longest highway network in the country

in funding per mile
12.5% of Missouri’s bridges are structurally deficient.
C- infrastructure grade from the American Society of Civil Engineers
energy infrastructure grade from the American Society of Civil Engineers
The leading cause of electric outages is Severe Weather.

Most common natural hazards are Thunderstorm & Lightning and Flood.
$9.6 billion in wastewater and stormwater improvements needed in the next 30 years
Missourians don’t have access to broadband

1.25 million
We are in a self-defeating cycle.

We have underperforming economic and workforce development policies, embedded within an underperforming economy.
Conceptual Framework

Increase the number of people in Missouri’s workforce
• Become the best place to live and work
• Connect all Missourians with work

Increase the productivity of Missouri’s workforce
• Develop a labor market that works
• Work in a 21st century way
• Build infrastructure to drive economic development

Compete to win
• Work together/compete together
• Create a new approach to economic development
We know which jobs we need to prepare Missourians for – now and in the future.
Growth will be driven by key industry clusters:

- Aerospace and Defense
- Agribusiness
- Automotive and Transportation
- Energy Solutions
- Financial Services
- Entertainment and Media
- Education
- IT
- Life Sciences
- Health Care
- Cross-Sector Manufacturing
We have to transform the Department and work across agencies to compete and win.
The New DED will be
Regionally Targeted
Customer Centric
Data Driven
and
Laser Focused
Next Steps – Finalized in Next Month

• Administrative – Implementation beginning shortly

• Executive – Working with the Governor’s Office and Cabinet now

• Legislative – Will bring recommendations as needed before the General Assembly
Missouri must take bold action to thrive in the 21st century.