

UNDERSTANDING TRANSPORTATION POLICY WITH TRANSIGHT

Agenda



- Introduction
- Overview of TranSight
- Model Demonstration
- Q & A

About REMI



Regional Economic Models, Inc. (REMI) is a World Leader in Economic Policy Modeling

Software

- REMI PI+ is the **state of the art** for policy analysis.
- Other Customized Models
 - **TranSight**
 - **Tax-PI**
 - **E3+**

Support

- REMI licenses include **unlimited** telephone and email technical support.
- REMI users have access to vast resources to enhance their understanding and skill in the model.

Services

- Macroeconomic impact consulting
- Analysis of prominent state and federal legislation
- Led by REMI's team of highly experienced and qualified research economists

About REMI



Answers to “what-if...?” questions about the economic and demographic effects of events and policies

□ Economic Results:

- Employment by Industry and/or by Occupation
- Output by Industry
- Gross Regional or State Product
- Personal Income
- Total wages, compensation, earnings

□ Demographic Results:

- Population, by 808 age-ethnicity-gender cohorts
- Migration, by 808 age-ethnicity-gender cohorts

About REMI



REMI's 40-year history of rigorous academic research and software development has led to the development of the the industry standard in macroeconomic research methodology:

Input-Output

Regionalized inter-industry relationships

Econometrics

Behavioral responses to a changing economy

General Equilibrium

Understanding how supply and demand affects markets over time

Economic Geography

Effects of geographic concentration of labor and industry



Integrated REMI economic modeling approach



DECD

State of Connecticut
Department of Economic and
Community Development



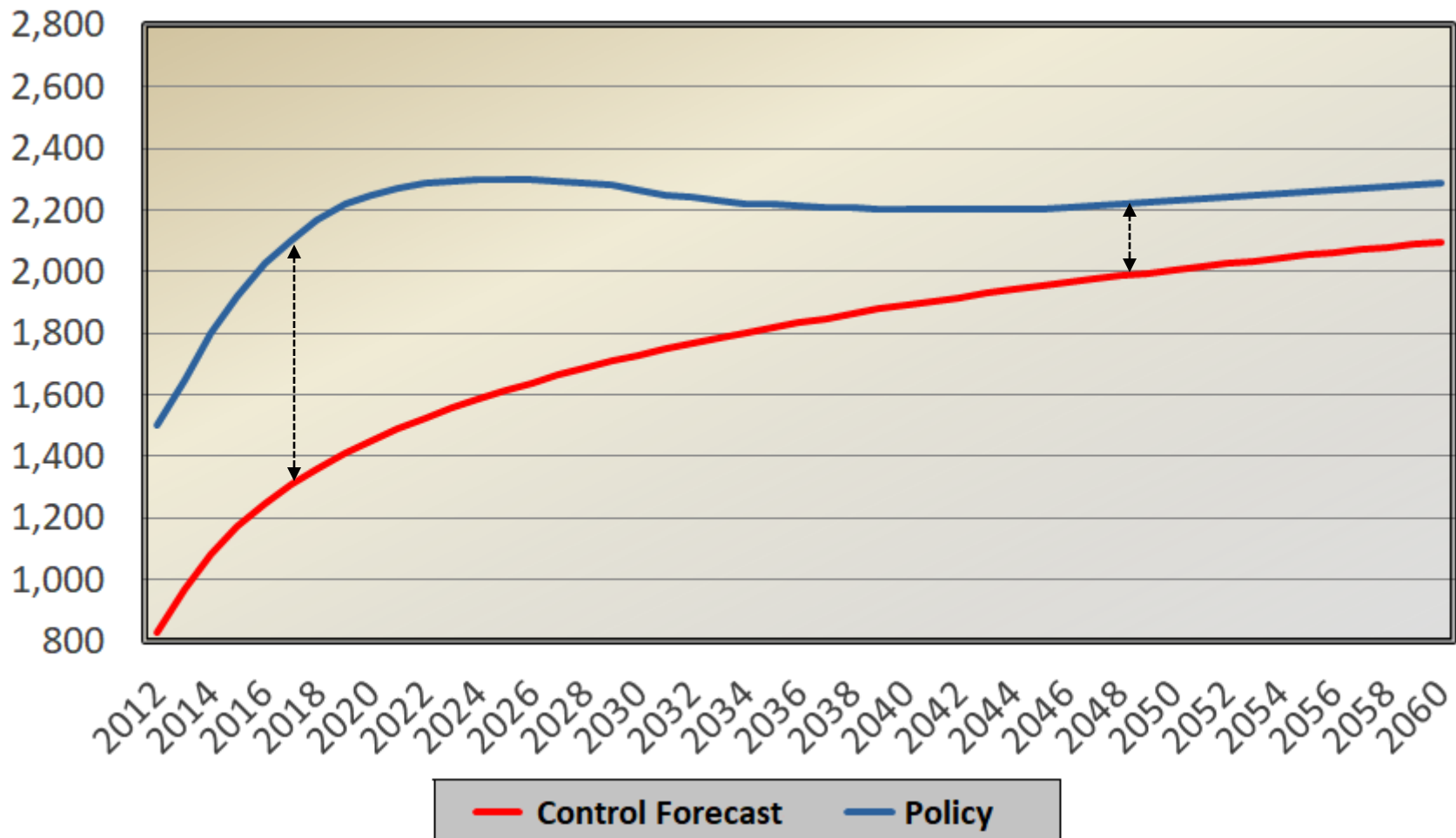
Iowa Department of
REVENUE



LOUISIANA
DEPARTMENT of REVENUE



Dynamic Analysis



what does **REMI** say? sm

Understanding Transportation

- Two benefits to improving transportation infrastructure
 - ▣ Industry: easier to move goods, services, and inputs between markets
 - ▣ Labor: easier for workers to access labor markets

What is TranSight?



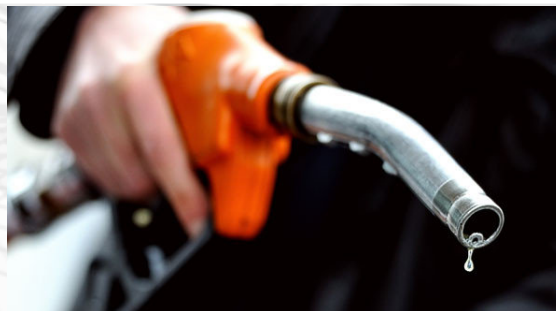
- **TranSight** – *the next generation platform for estimating the total economic effects of changes to transportation systems.*
- TranSight allows users to understand how transportation networks increase economic competitiveness.

TranSight is also constructed with extensive data on:

Safety Valuation Factors



Fuel Efficiency



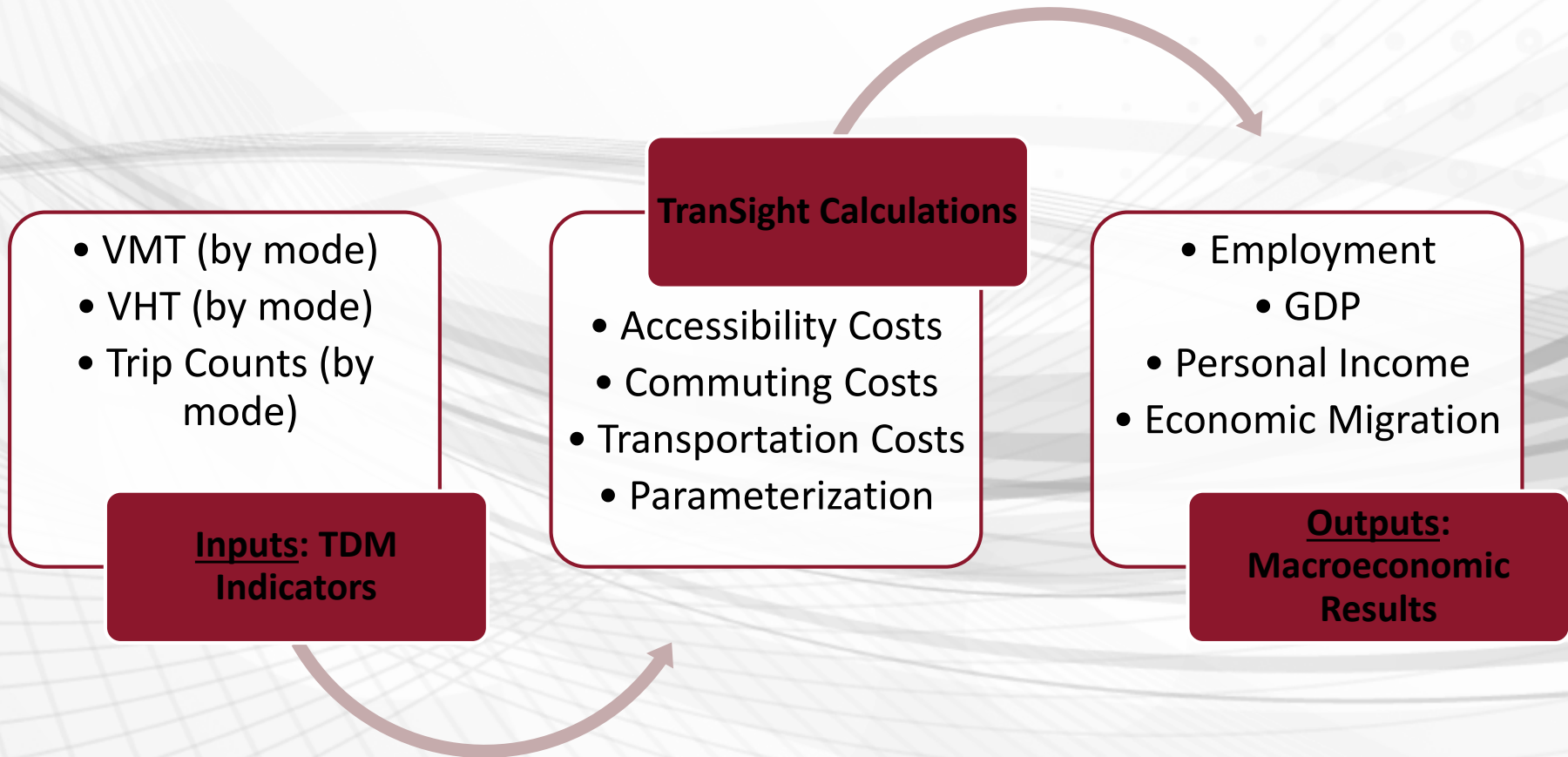
Emissions Factors



*what does **REMI** say?* sm

FHWA: TranSight is among the “best equipped to estimate *productivity impacts*”*

TranSight Process



Static vs. Dynamic Analysis



Static Analysis

1. Construction spending
2. O&M spending

Dynamic Analysis

Transportation Metrics

3. Travel time savings
4. Network speed improvements
5. Access to Labor
6. Access to intermediate inputs

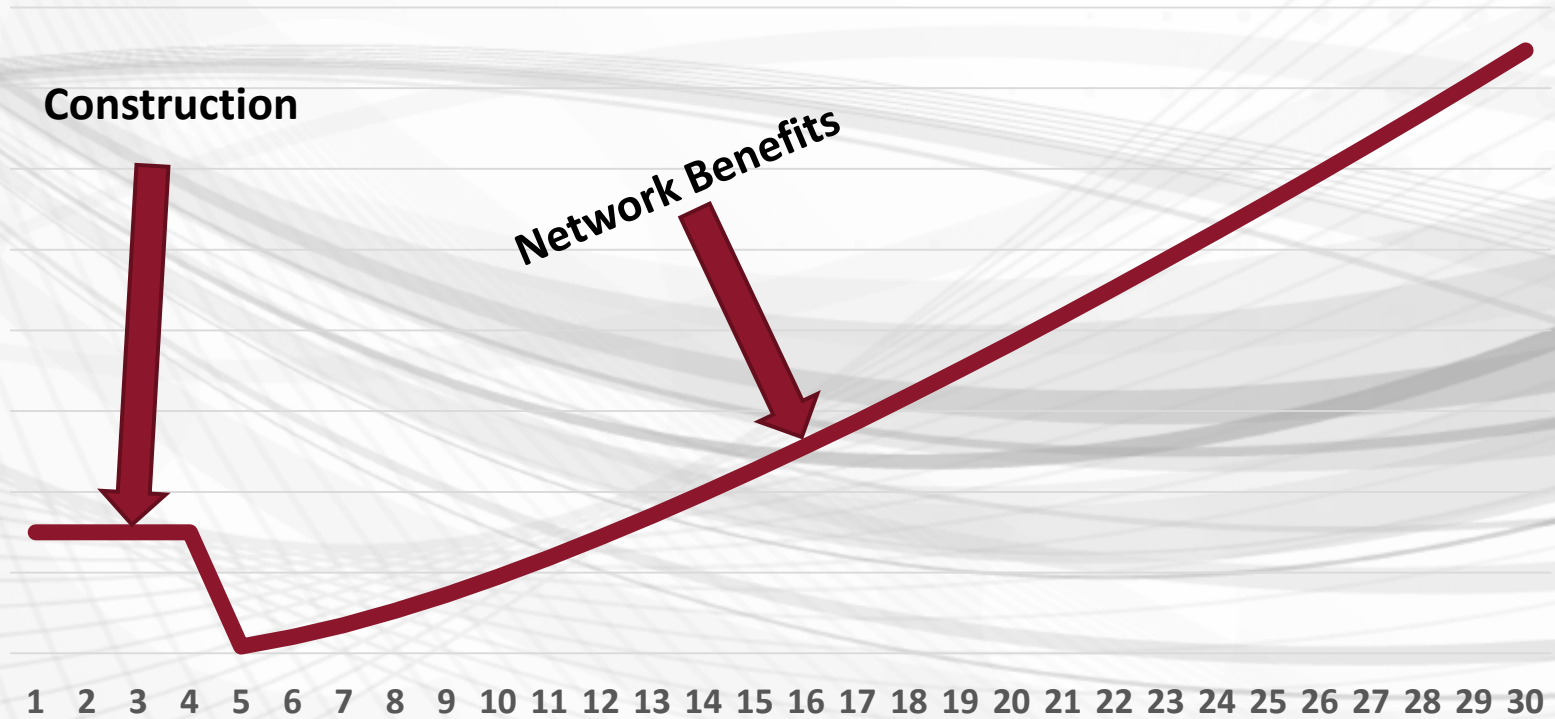
Associated Metrics

7. Financing Options
8. Emissions savings
9. Safety improvements
10. Fuel and Non-fuel VOCs
11. Value of Leisure

Economic Impact Over a Project's Life Cycle



Sample Project



TranSight Applications



Strategic Transportation Planning

- Long Range Transportation Planning
- Corridor, Freight, Highway, Rail Studies
- Transportation Improvement Program (TIP) Analysis

Project Prioritization

- Cost-Benefit analysis
- Compare Key Performance Indicators
- New Project Prioritization Dashboard to Rank Projects by effectiveness

Economic/Demographic Forecasting

- Federal Grant Applications (TIGER/BUILD grants)
- Industry Cluster and Operational Footprint Analysis
- Hazard Mitigation and Resiliency

Model Demonstration