

Plan It Calgary & Calgary Metropolitan Plan Scenario Series

# Region Transportation Systems

Prepared for The Van Horne Institute: The Calgary Region as a Transportation Hub Conference by:

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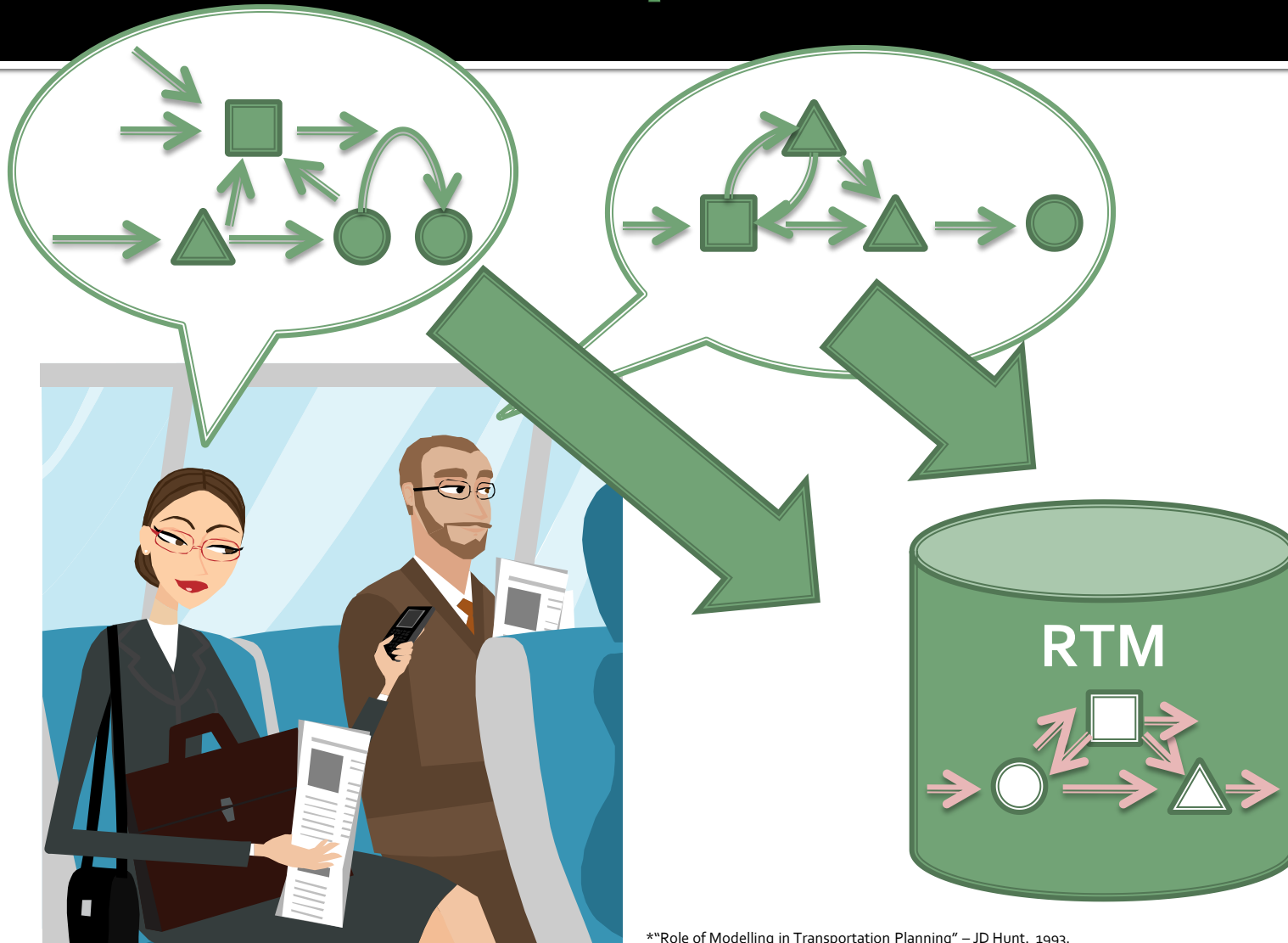
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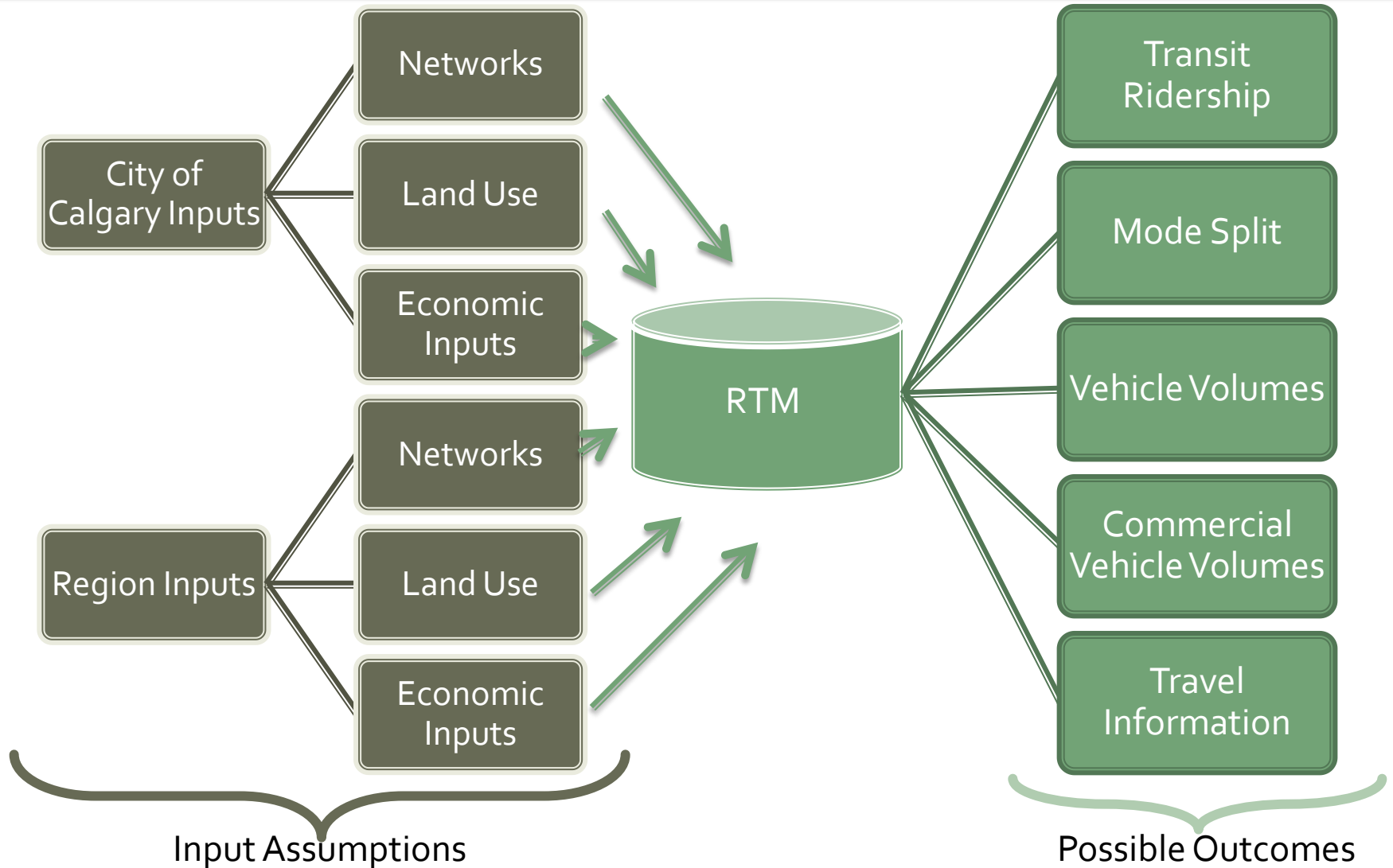
# Land Use & Travel in the Calgary Region

- Forecasting Division / Geodemographics
  - Geodemographics: Distribute jobs and population to transportation zones
  - Forecasting: Develop, maintain and apply transportation models to support land use and transportation studies
- Regional Transportation Model
  - Computer simulation of city and region
- Baseline Scenario Series
  - Time series of forecasts used a base for planning studies
- Plan It Calgary / CMP Scenario Series
  - the most recent Baseline Scenario Series
  - Incorporates Plan It Calgary and the Calgary Metropolitan Plan

# Role of Transportation Models



# Development of PIC / CMP Series



# Land Use Assumptions

People



By Age



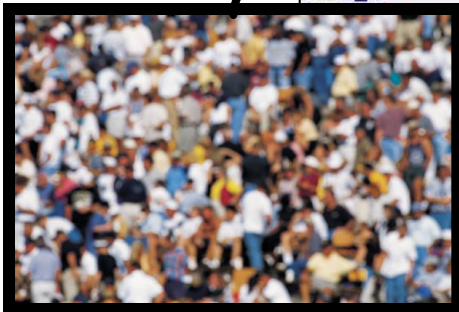
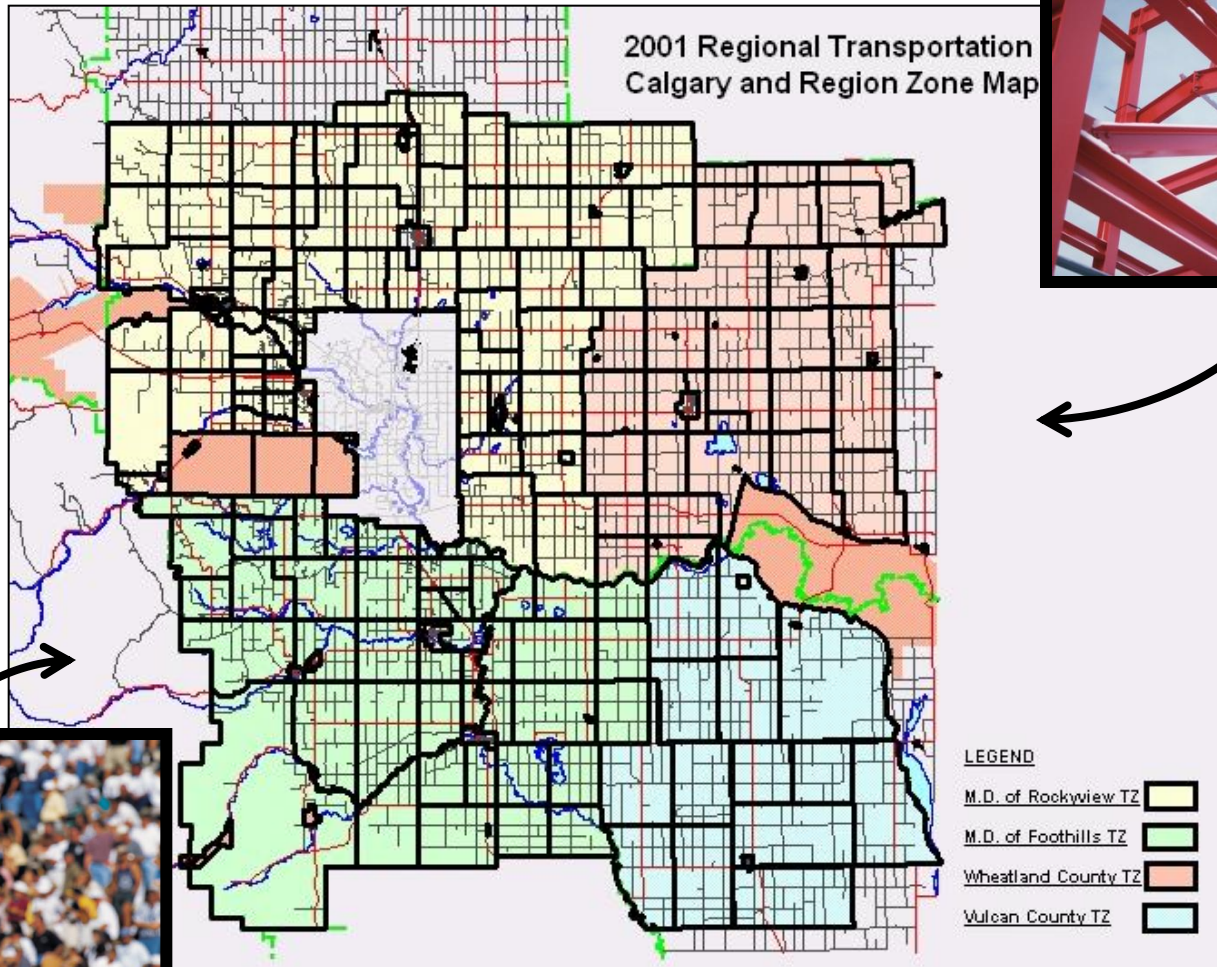
Jobs

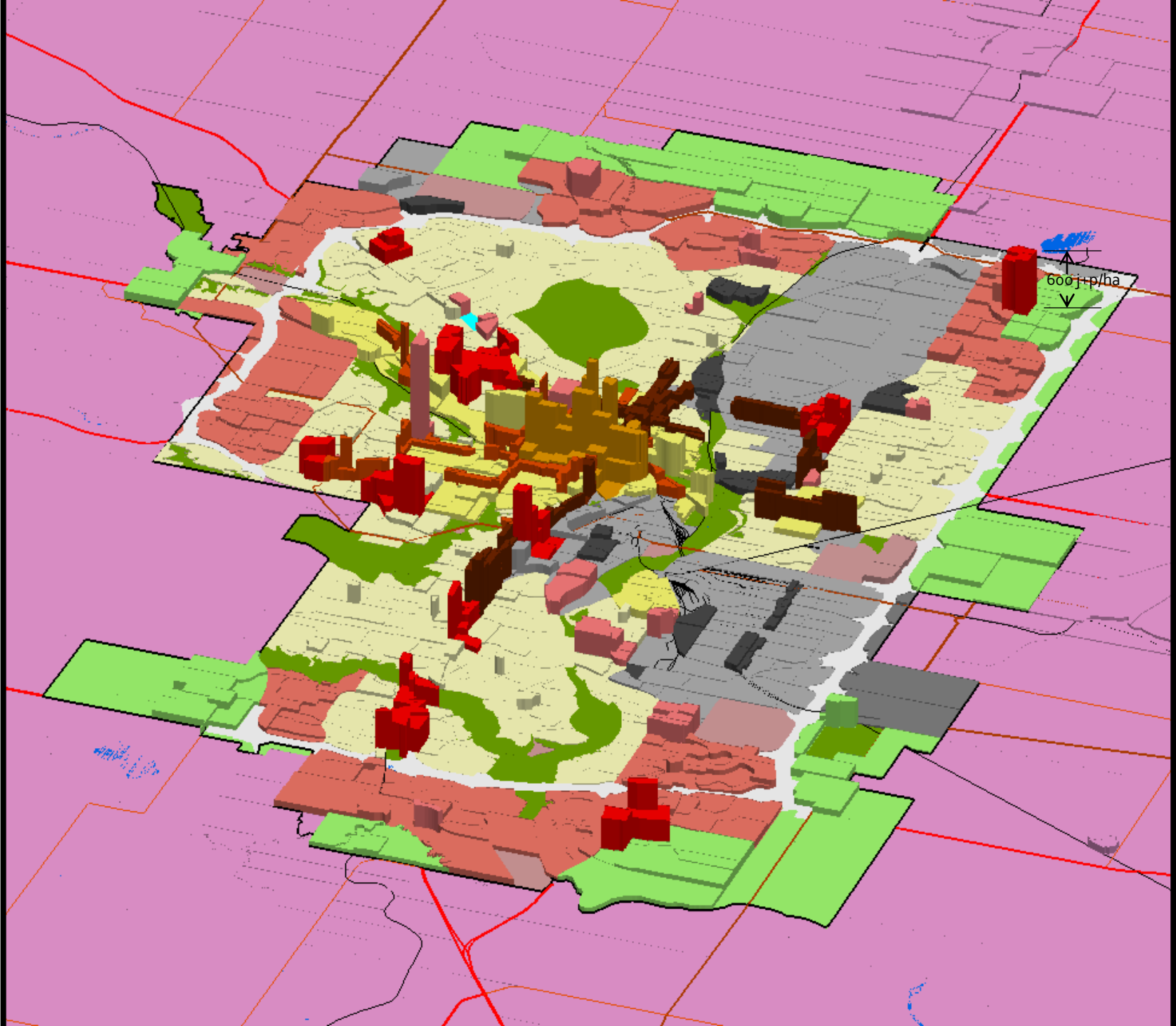


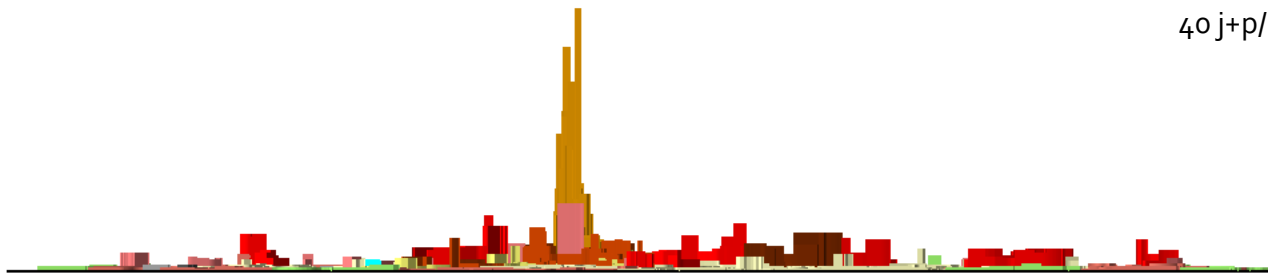
By Job Category



# Land Use Assumptions







2076 Citywide Avg:  
40 j+p/ha



# PIC / CMP Results

- Network and land use changes *enable* a shift in travel behaviour
  - Not enough to drive travel behaviour
- Travel behaviour in the region needs to change in order to achieve targets
- Introduced benefits and costs into RTM to influence behaviour
  - Two streams of forecasts

# PIC / CMP Highlights

- Impacts of Compact Development
  - Shorter trip distances
  - Increase in active modes and transit use
- Fewer trips per person
  - Change in population age distributions
- Decrease in emissions

# Thank You!

## Questions?

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**For more information, please see our websites:**

Forecasting: [www.calgary.ca/forecasting](http://www.calgary.ca/forecasting)

Geodemographics: [www.calgary.ca/geodemographics](http://www.calgary.ca/geodemographics)