



Comprehensive Regional Infrastructure Sustainability Plan FOR THE ATHABASCA OIL SANDS AREA

planningAlliance / AECOM / Nichols Applied Management / Doug Radke

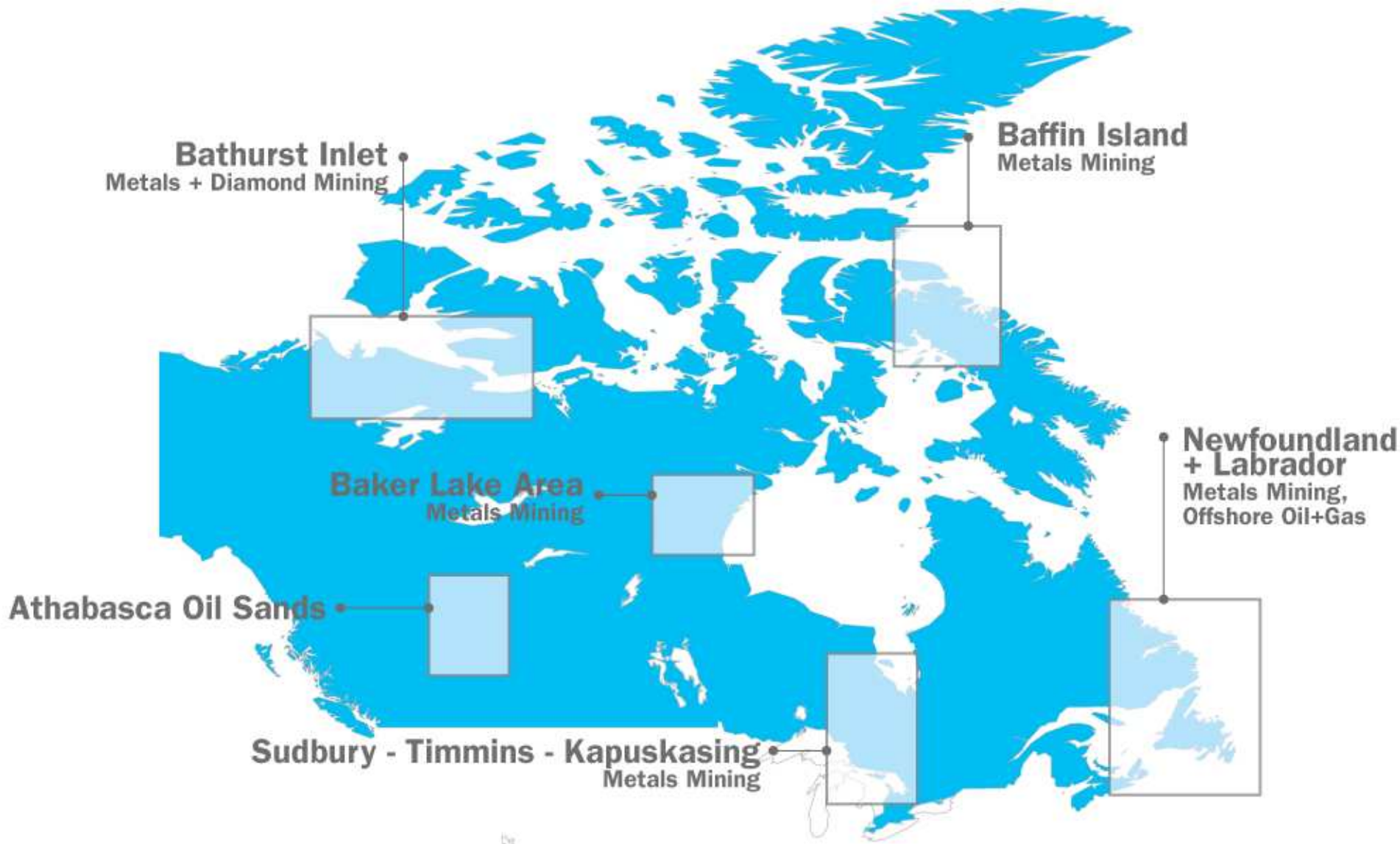


Presentation Overview

- Our Approach
- Project Team
- Detailed Work Plan



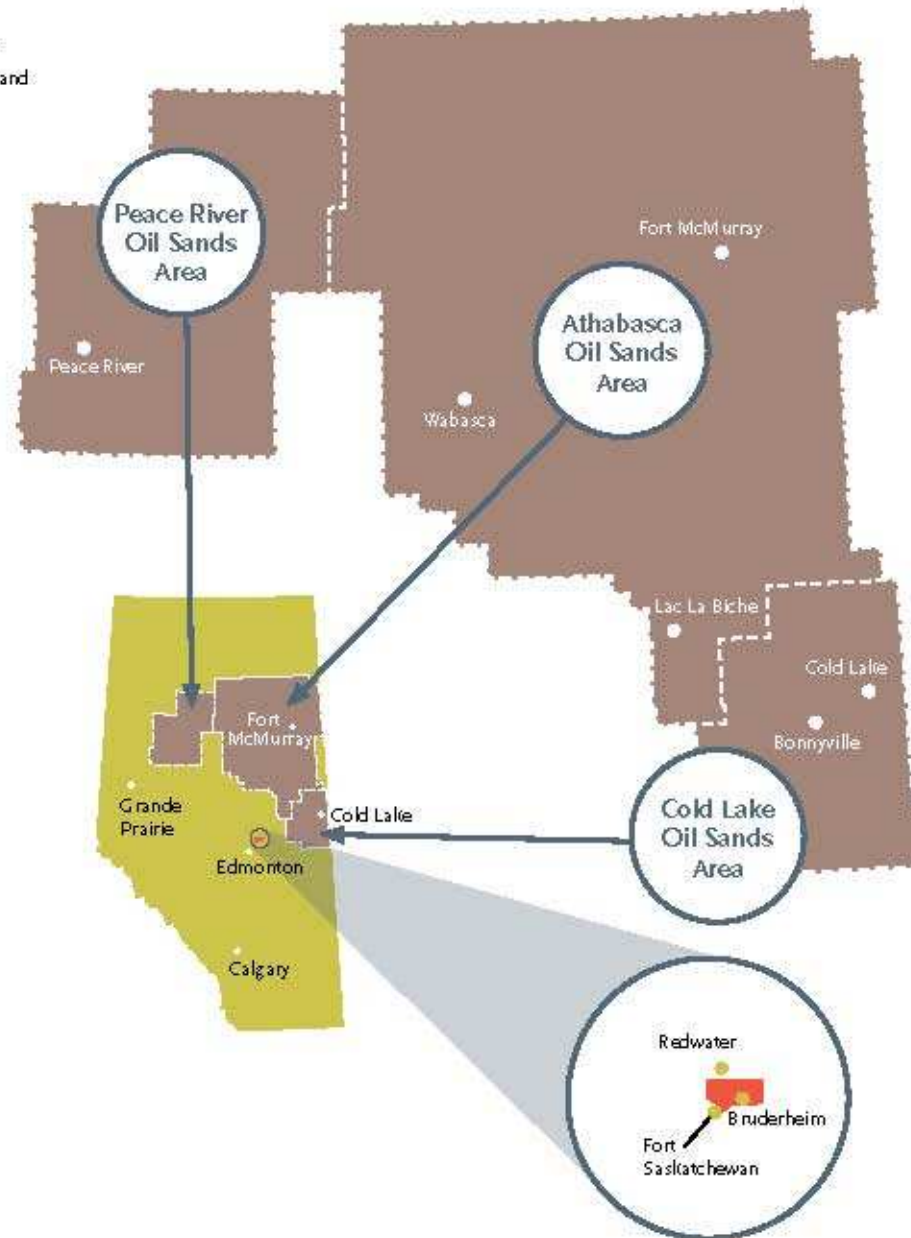
RAPIDLY GROWING RESOURCE REGIONS



CANADIAN RESOURCE DEVELOPMENT REGIONS

FIGURE 2
Alberta's Oil Sands Regions and Industrial Heartland

Legend:
Oil Sands Areas
Industrial Heartland



1. Our Approach

- Understand the history and culture of the place
- Foster a meaningful exchange of ideas between the Province, municipalities, , residents, First Nations, Metis, industry and stakeholders.
- Achieve a workable integration of planning, design, engineering, social and economic goals.
- Promote Sustainable Planning + Design
- Recognize the diversity of the Region
- Focus on Implementation
- Understand the objectives and economics of resource companies.



2. Project Team

planningAlliance:

project management + physical planning

AECOM:

engineering + costing

Nicholls Applied Management:

resource development + population projections

Doug Radke:

strategic planning

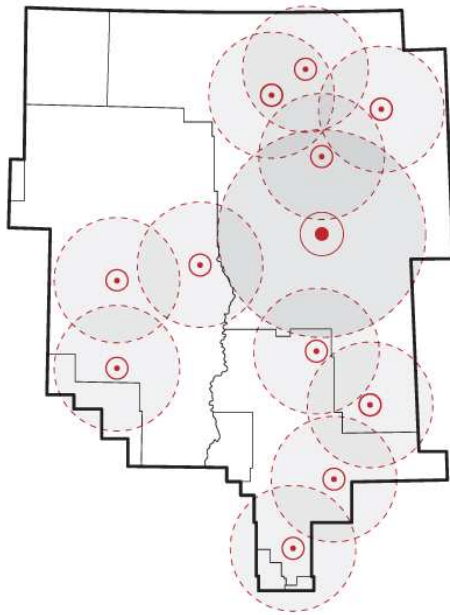


3. Work Plan

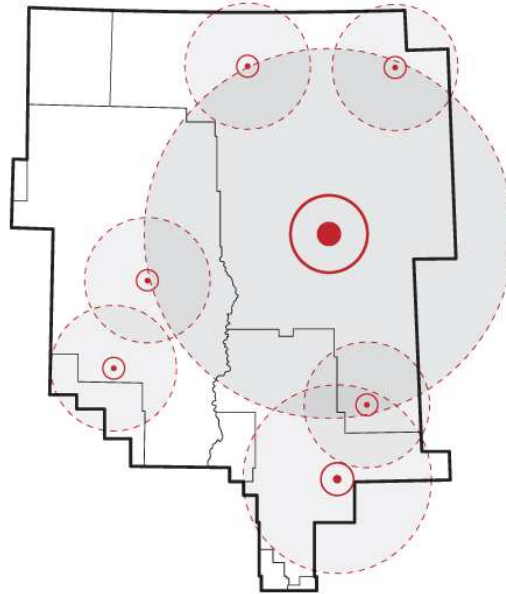
Phase One (October - December)

- **Vision and Principles**
- **Data Collection and Issues Identification**
- **Population Forecasting**
- **Conceptual Growth Scenarios**

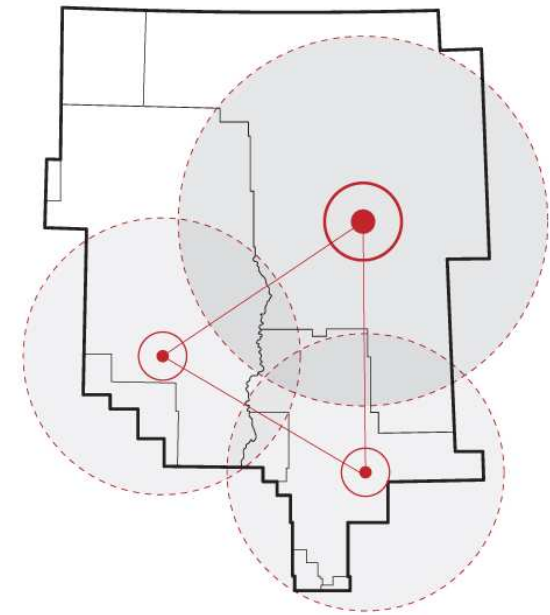
Growth Scenarios



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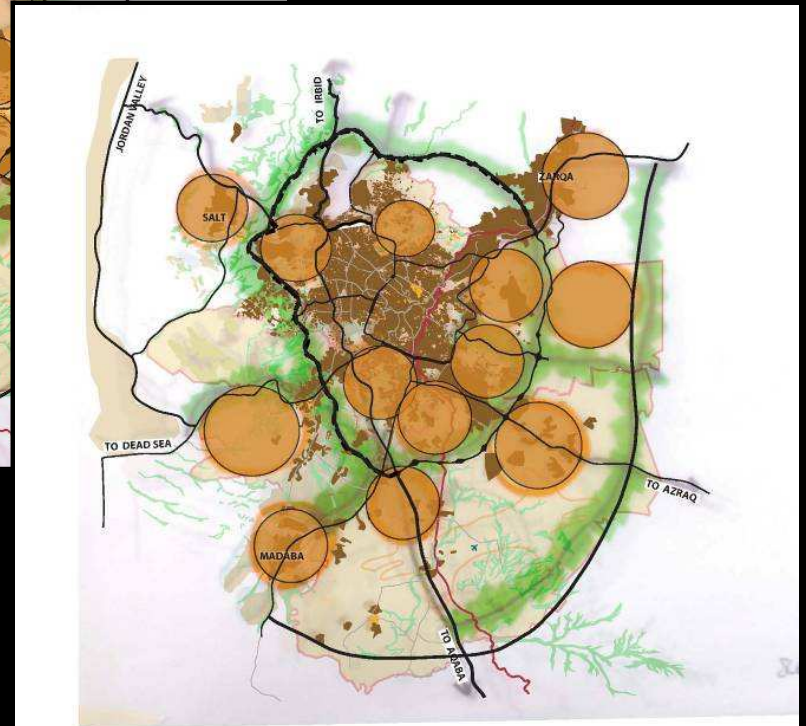
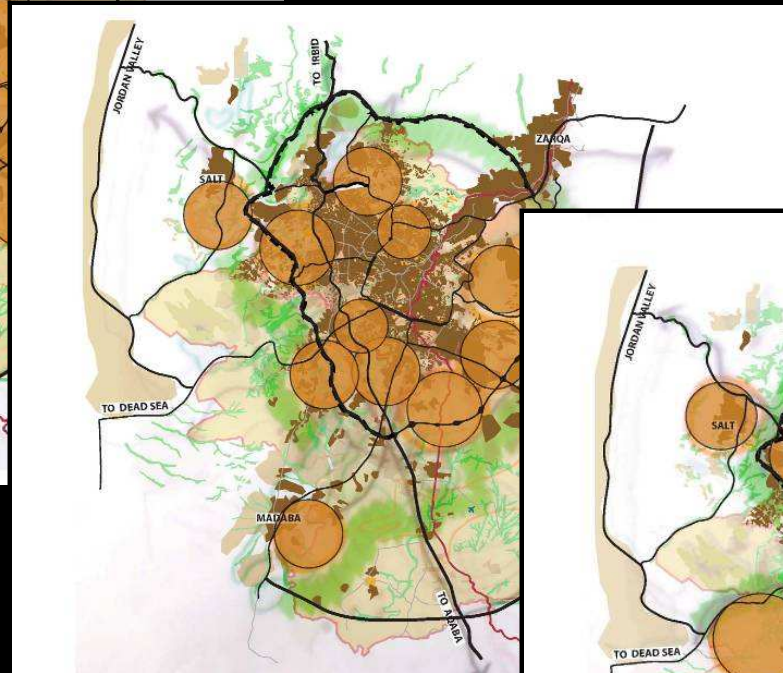
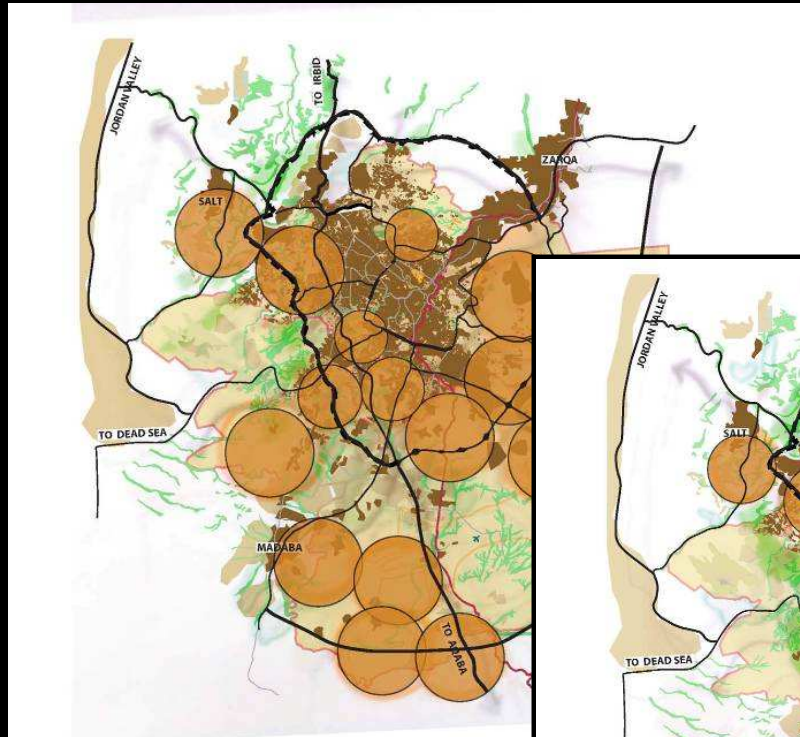


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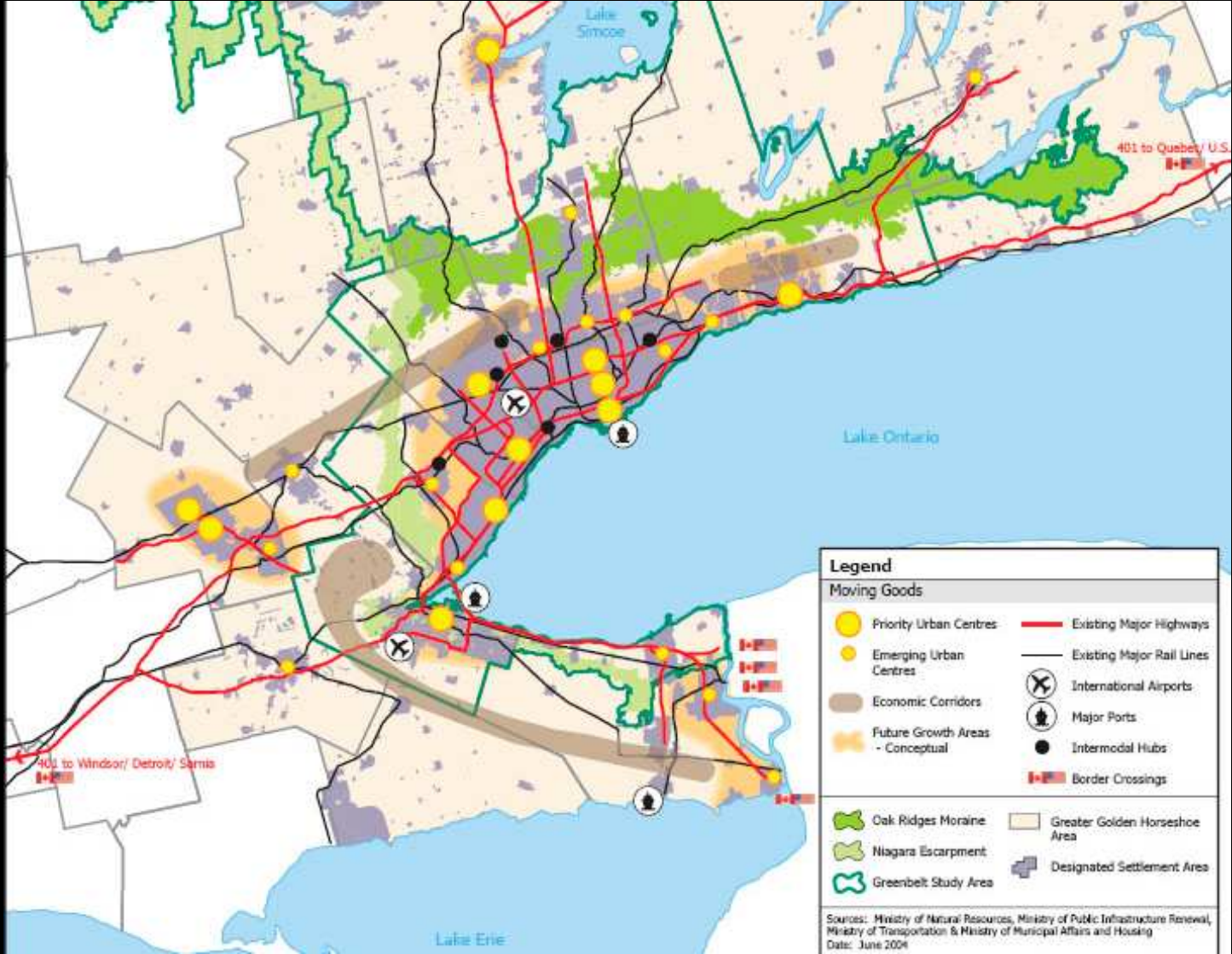


CENTRALIZED

The Amman Plan - Metropolitan Growth Scenarios



Growth Plan for the Greater Golden Horseshoe (Ontario)



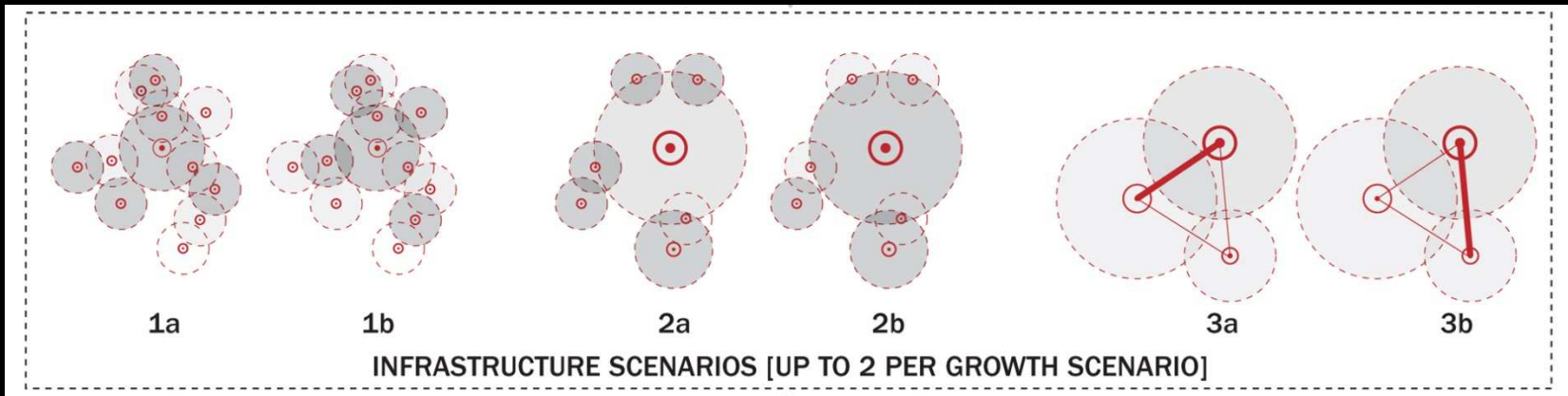
Phase Two (January – March):

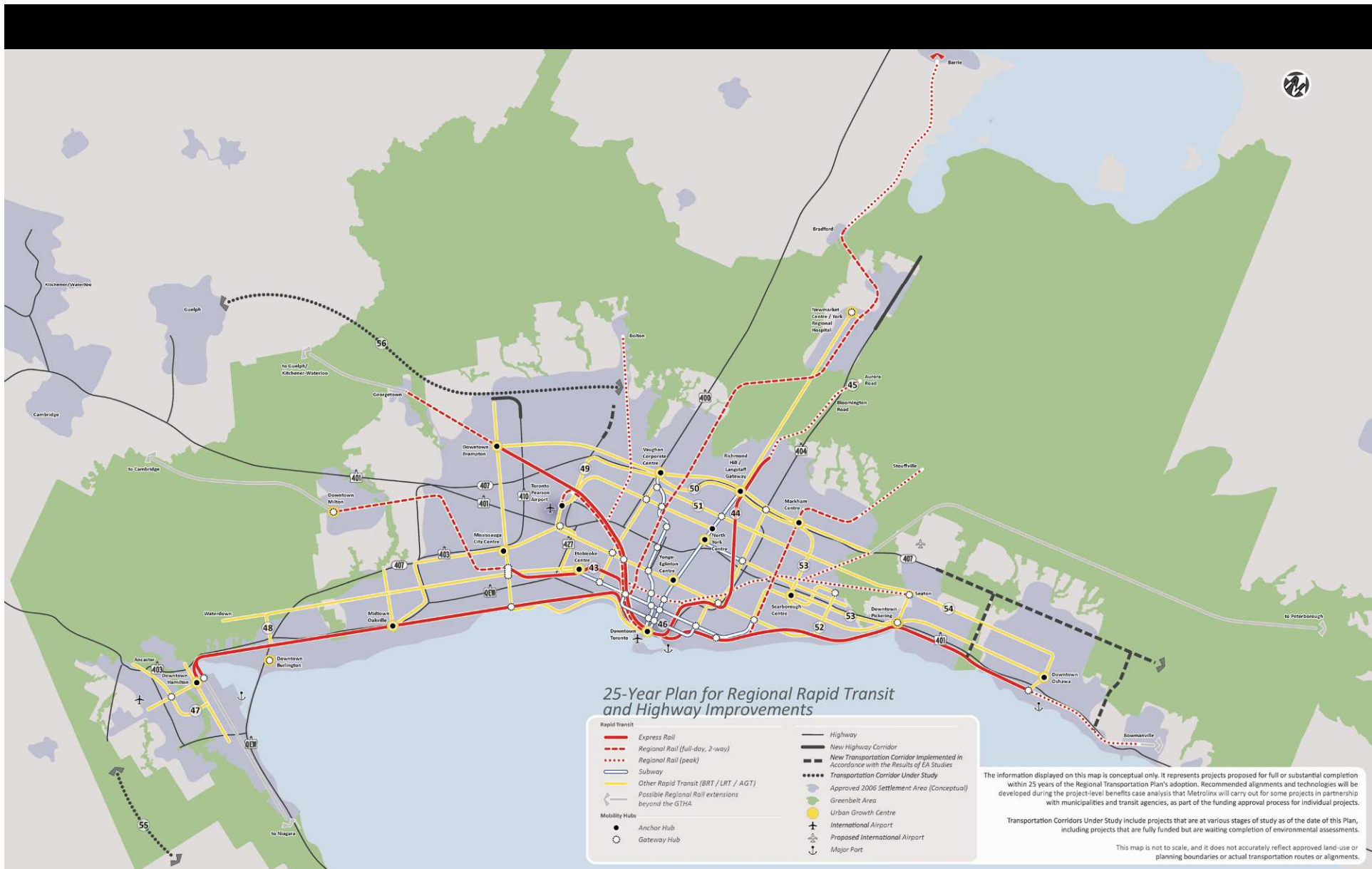
- Infrastructure Scenarios

Physical infrastructure required for:

- Water + Wastewater Treatment
 - Transportation + Transit
 - Health + Education
 - Utilities + Pipelines
- Suitability Mapping

Infrastructure Scenarios





Metrolinx Final Plan, 2008

Draft CRISP (March – May)

- **Detailed Description of Preferred Growth Scenario**
- **Detailed Description of Preferred Infrastructure Scenario**
- **2D Aerial Mapping of Preferred Scenarios**
- **Visual Imagery of key components**
- **Phasing + Incremental Land Requirements**
- **Linkages with regional planning**
- **Sensitivity + Risk Analysis of Preferred Scenarios**



Questions + Answers

planningAlliance

AECOM

Nichols Applied Management

Doug Radke

What do you think is needed in an infrastructure plan for the Athabasca Oil Sands Area if it is going to be a success?