

Baseline Conditions and Community Growth

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Presentation by

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Assessment (NWMO)

Agenda

Part 1

- Project Refresher
- Study Process


Part 2: Baseline Conditions and Community Growth

- Demographics and Growth
- Employment

Part 1

Project Refresher and

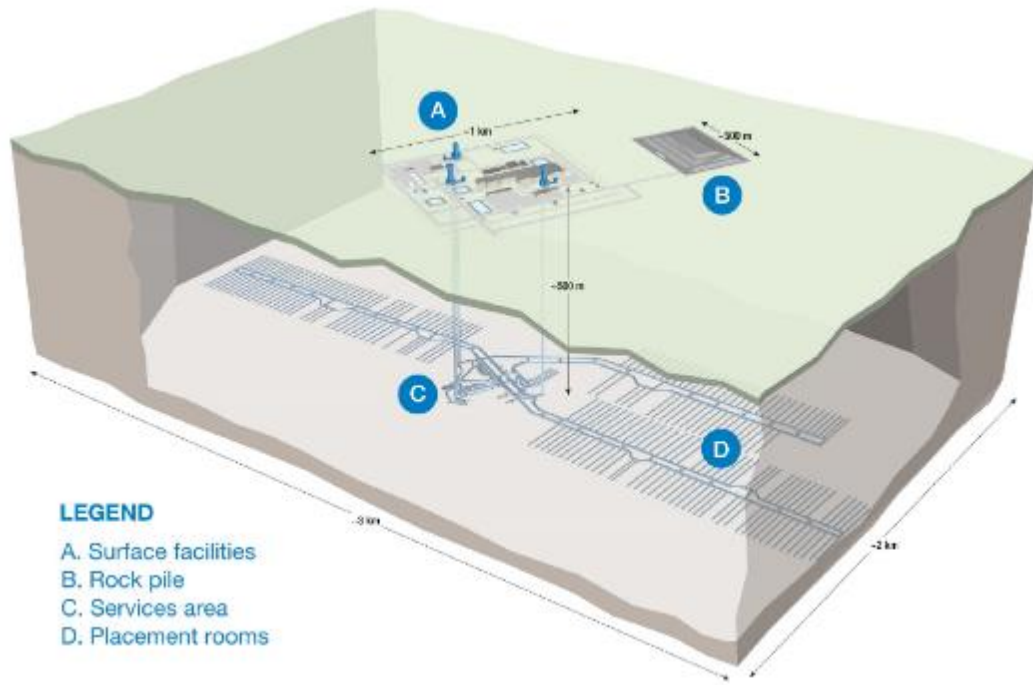
Study Process

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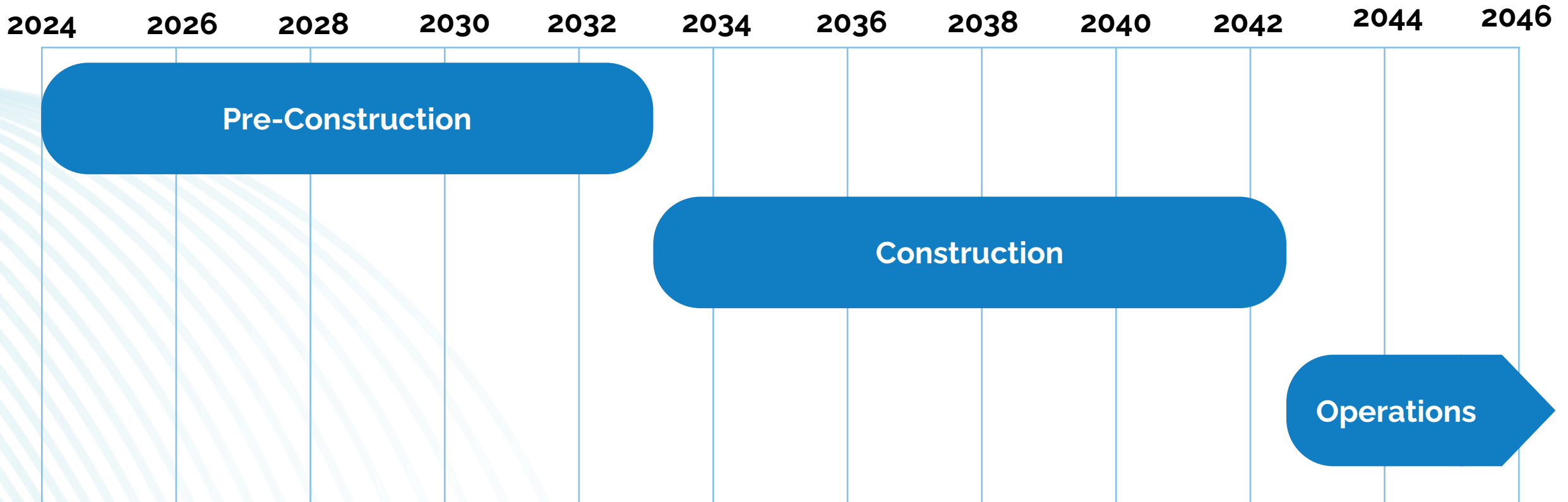
Purpose of Community Studies

- Contribute towards informed decision-making
- Describe the specific changes the Project may bring
- Provide suggestions on mitigating those changes, if necessary
- Study topics based on the South Bruce Project Vision, Guiding Principles, and Canadian Nuclear Safety Commission and Federal regulatory requirements

Deep Geological Repository and Centre of Expertise

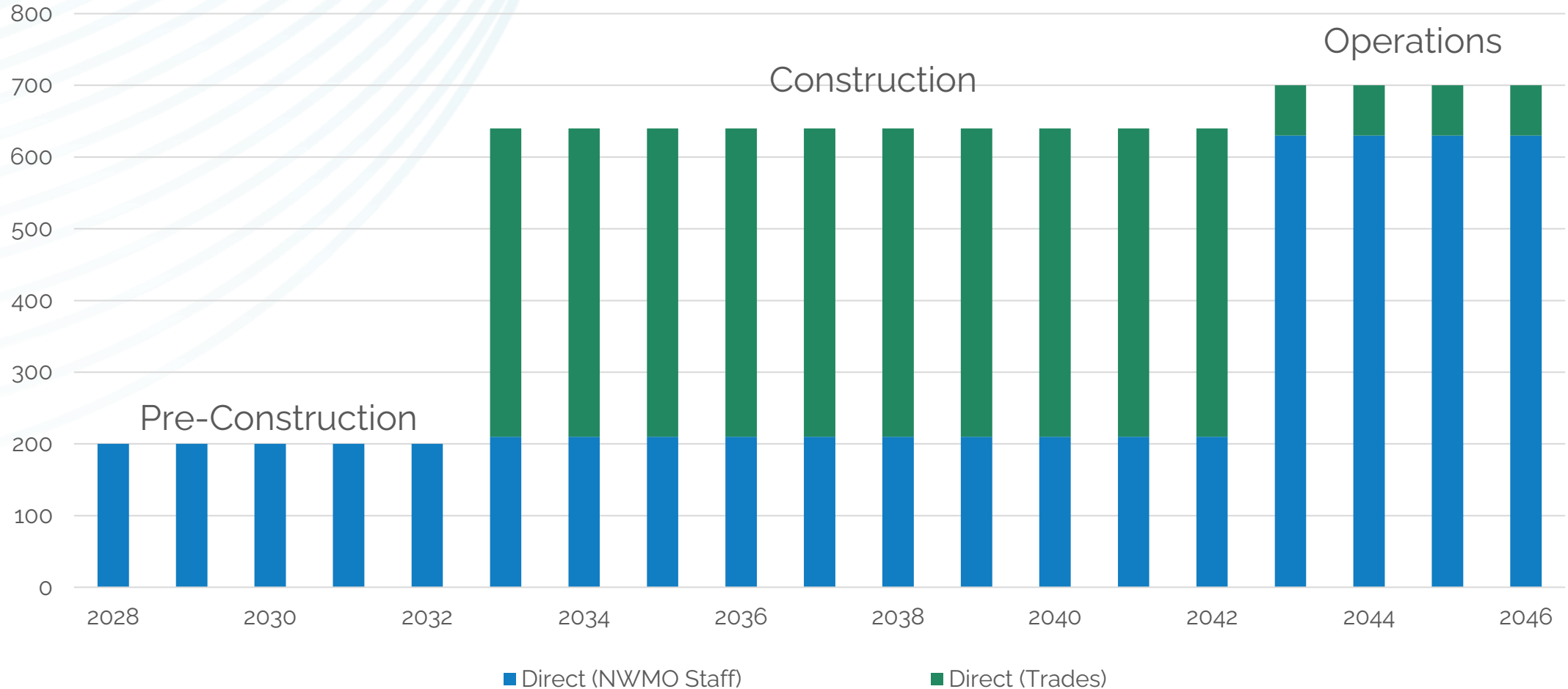


Project Phases



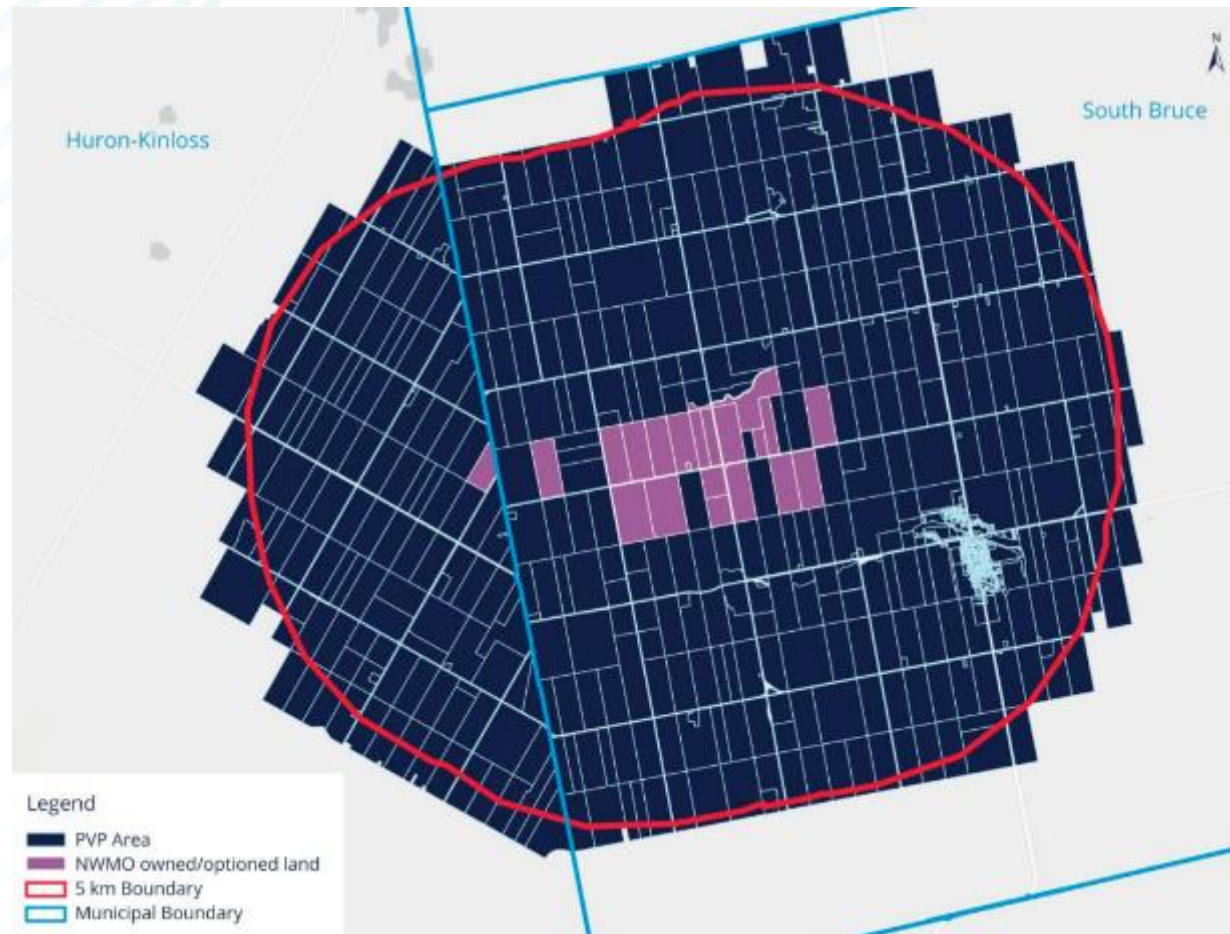
Extended monitoring anticipated to start in 2089
Decommissioning and closure anticipated to begin in 2159

Jobs Created by the Project

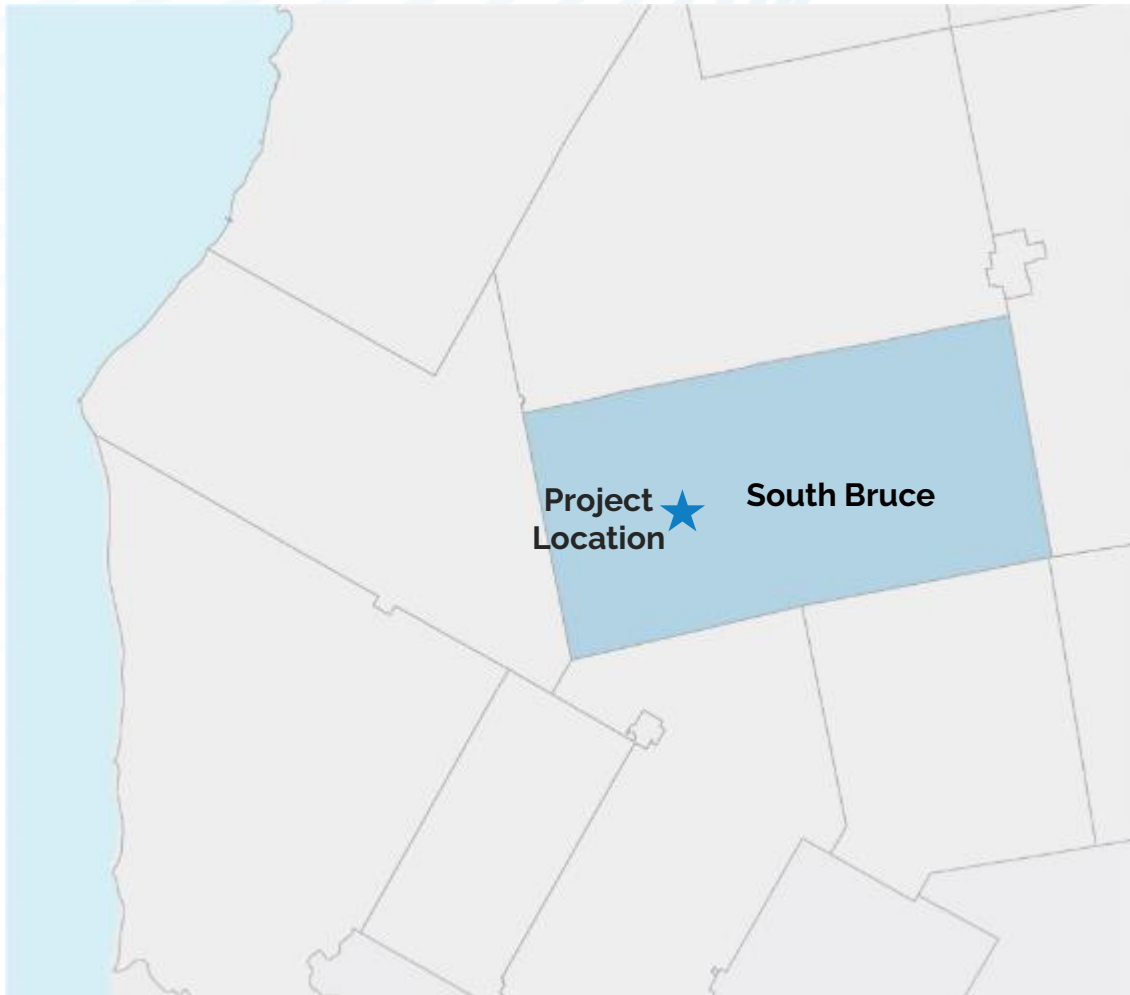


South Bruce Site

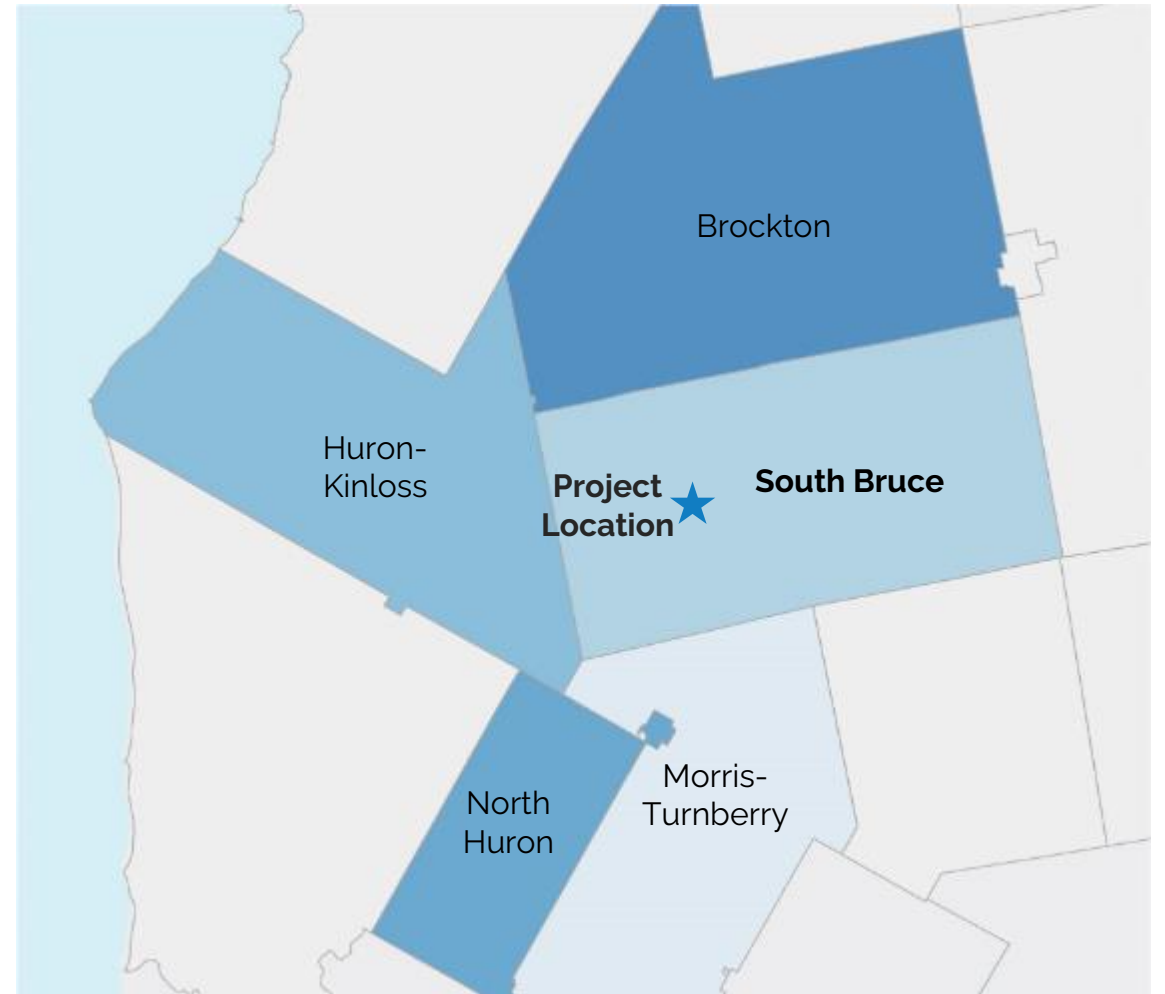
- The NWMO has signed a combination of option and purchase agreements with interested landowners in South Bruce to advance site investigation work



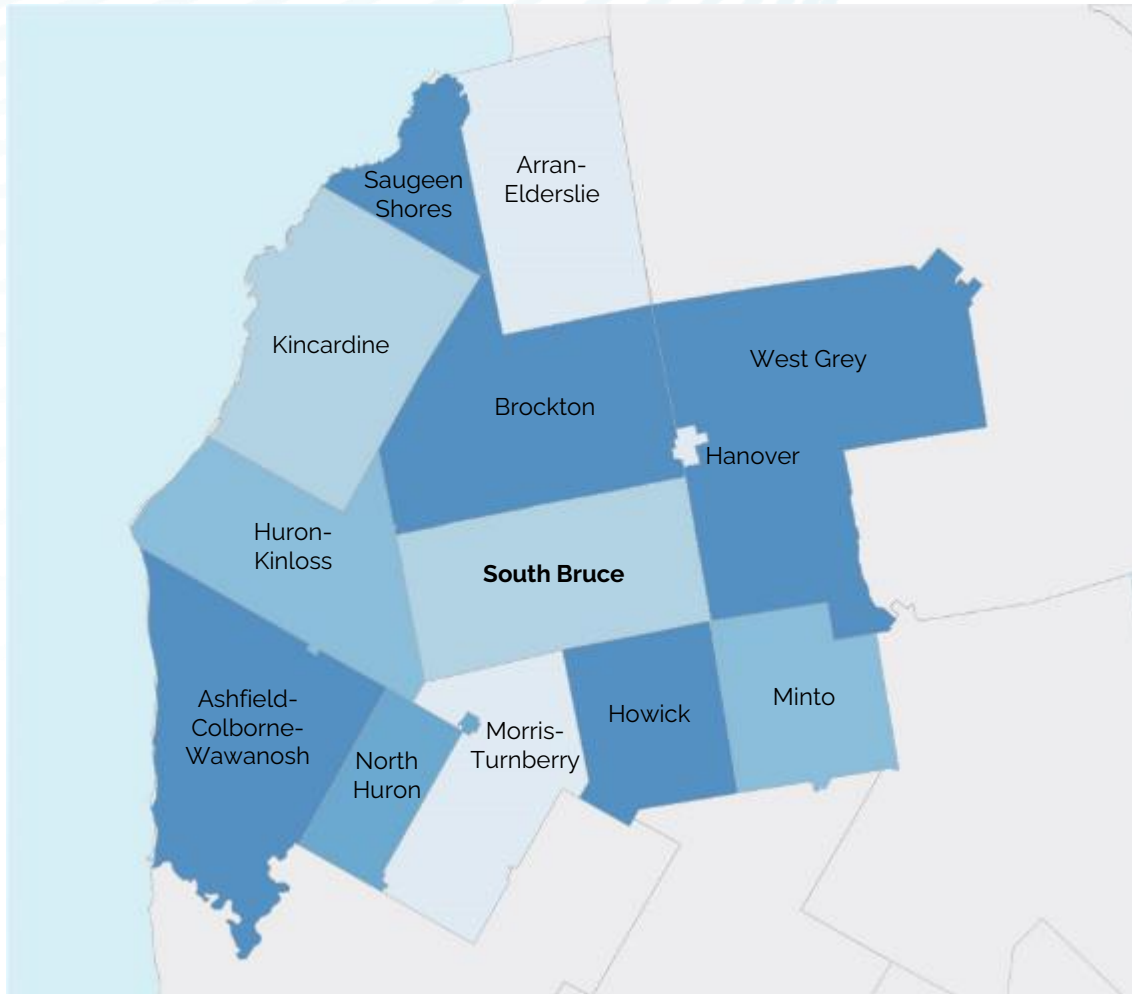
Subject Area



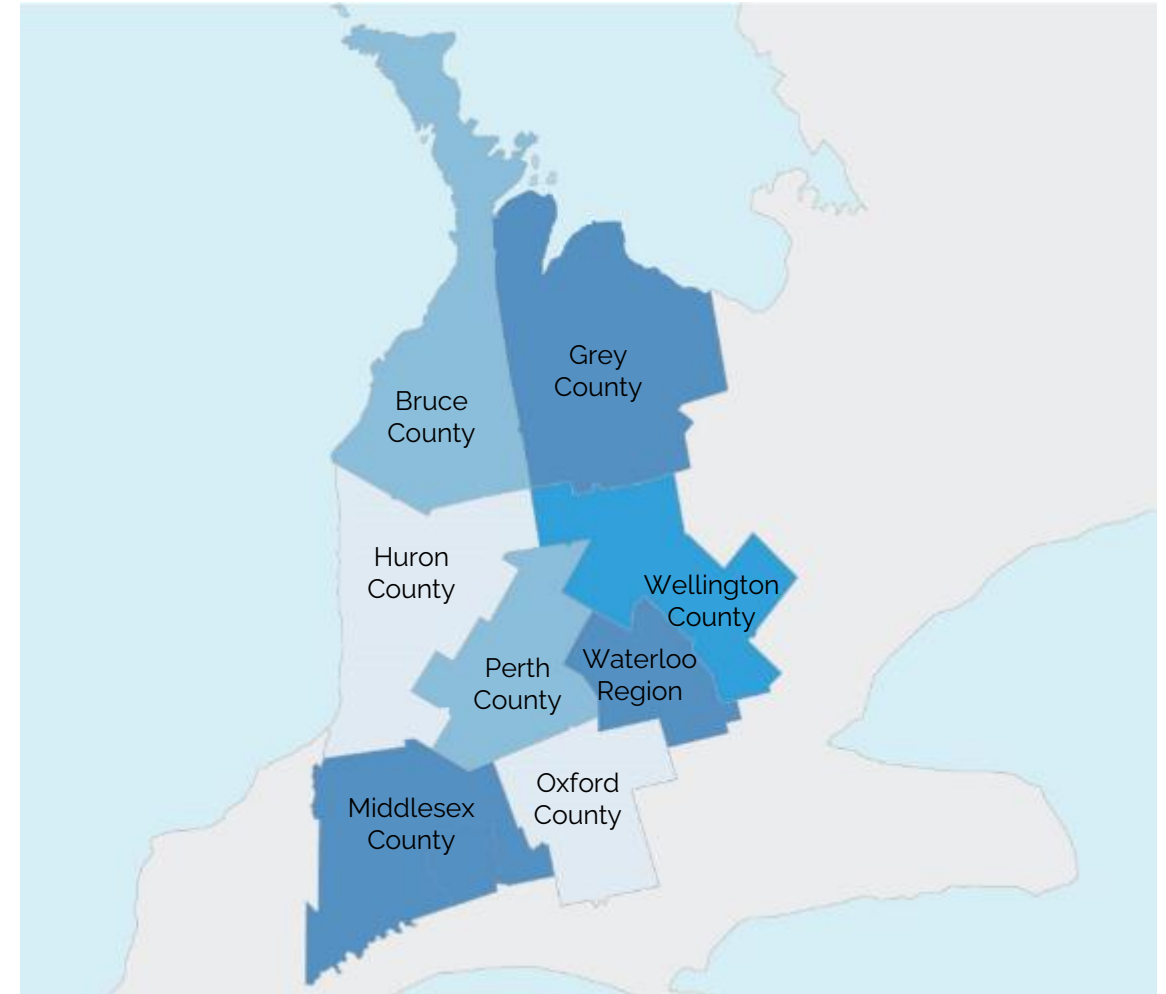
Core Study Area



Local Study Area



Regional Study Area



Studies and Peer Reviews

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Study Timeline

2021

Municipal Economic Development Update
 Municipal Strategic Plan
 Willingness Process Consultation and Study

Municipally led studies with a peer review by GHD

NWMO led studies with peer review by South Bruce consultants

2022

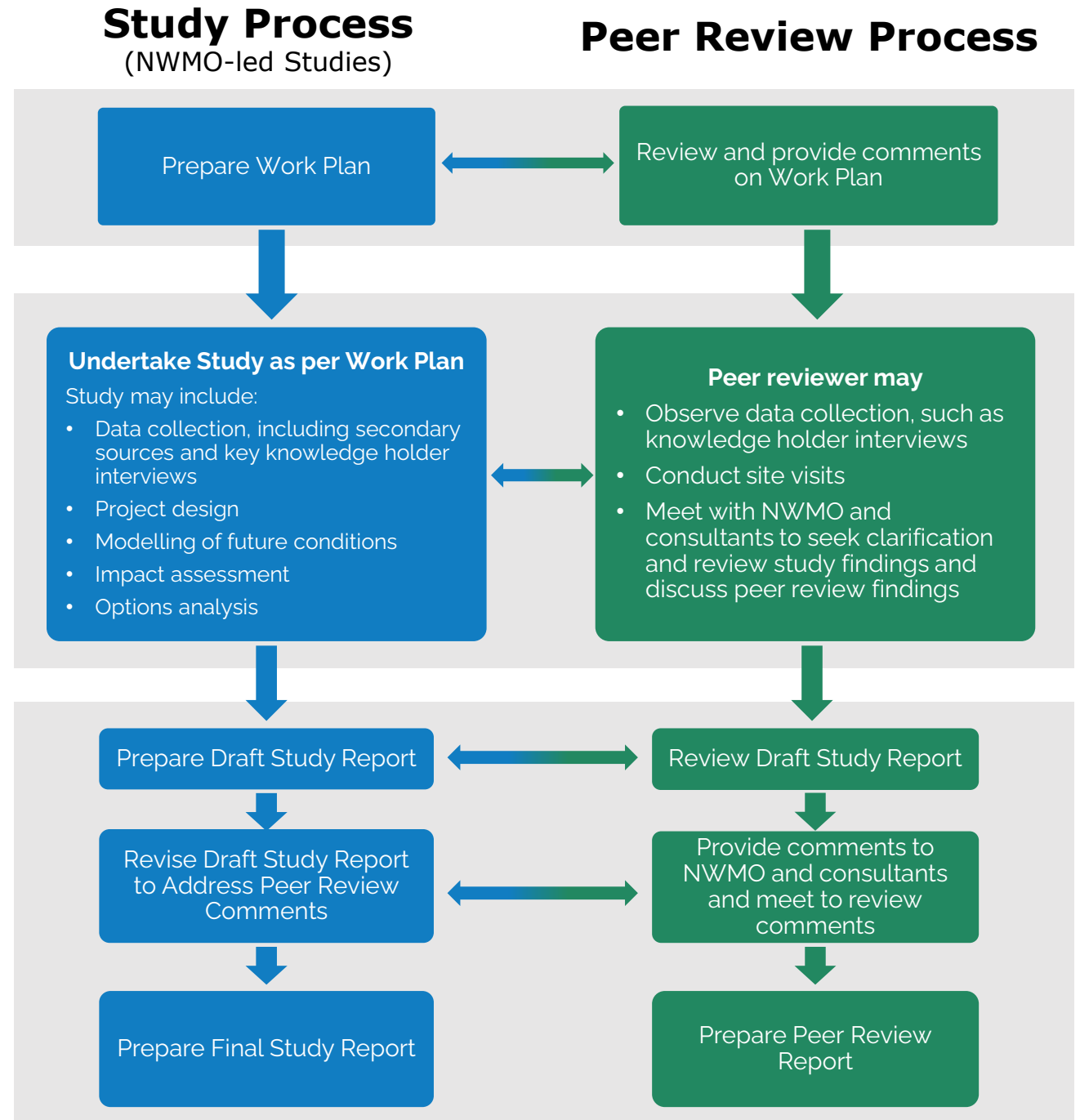
Local Hiring Effects Study & Strategy
 Tourism Industry Effects Study and Strategy
 Local Economic Development Study and Strategy
 Economic Development Study on Youth
 Agriculture Business Impact Study
 Effects on Recreational Resources
 Infrastructure Baseline and Feasibility Study
 Local Traffic Study
 Road Conditions Study
 Aggregate Resources Study
 Vulnerable Populations Study
 Local/Regional Education Study
 Social Programs Study
 Workforce Development Study
 Housing Needs and Demand Analysis Study
 Emergency Services Study
 Property Value Protection Program
 Land Use Study
 Regional Economic Development Study
 Labour Baseline Study

2023

Fiscal Impact and Public Finance Study
 Community Health Programs and Health Infrastructure Study
 Community Report Back - Environmental Program
 Local Hydrology and Water Quality - Baseline
 Local Geology including Groundwater and Soils - Baseline and Effects
 Local Atmospheric Conditions - Baseline
 Local Terrestrial Species - Baseline
 Local Aquatic Species - Baseline
 Local Avian Species - Baseline
 Species at Risk - Baseline
 Ambient Radioactivity - Baseline
 Effects on Surface Water Study
 Ecological Effects Studies
 Environmental Effects Studies
 NWMO Borehole Drilling and Geoscience Field Work

Collaborative Peer Reviews

- NWMO-led studies are being Peer Reviewed by South Bruce's independent subject matter experts
- Process is guided by the Peer Review Protocol
- Carried out on a continuous, interactive basis throughout the Study preparation process
- Independent assessments of Study findings
- Helps inform how the study addresses the Guiding Principles



Part 2


Baseline Conditions

and Community

Growth

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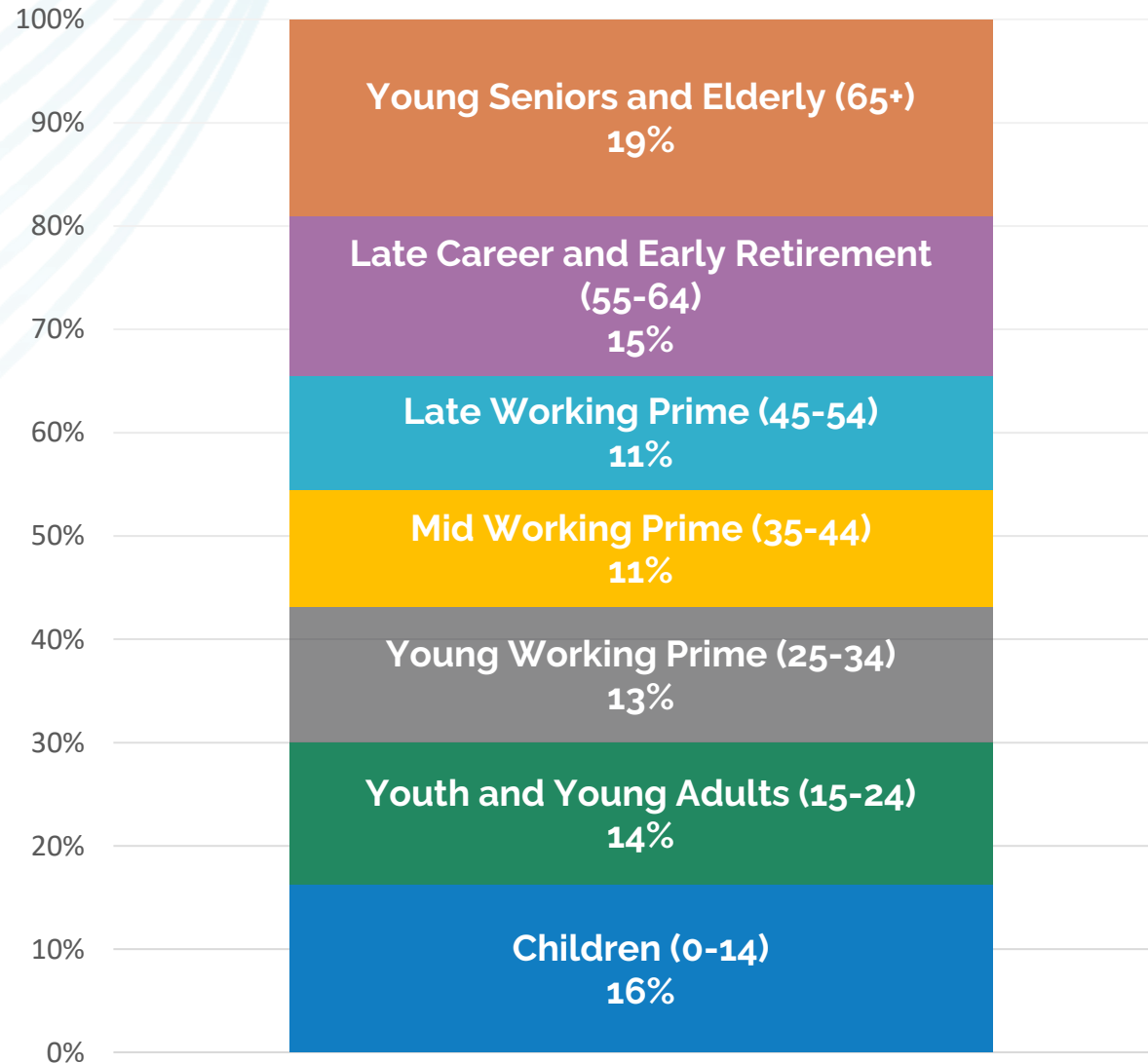
Demographics and Growth

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Baseline Conditions and Community Growth Forecast

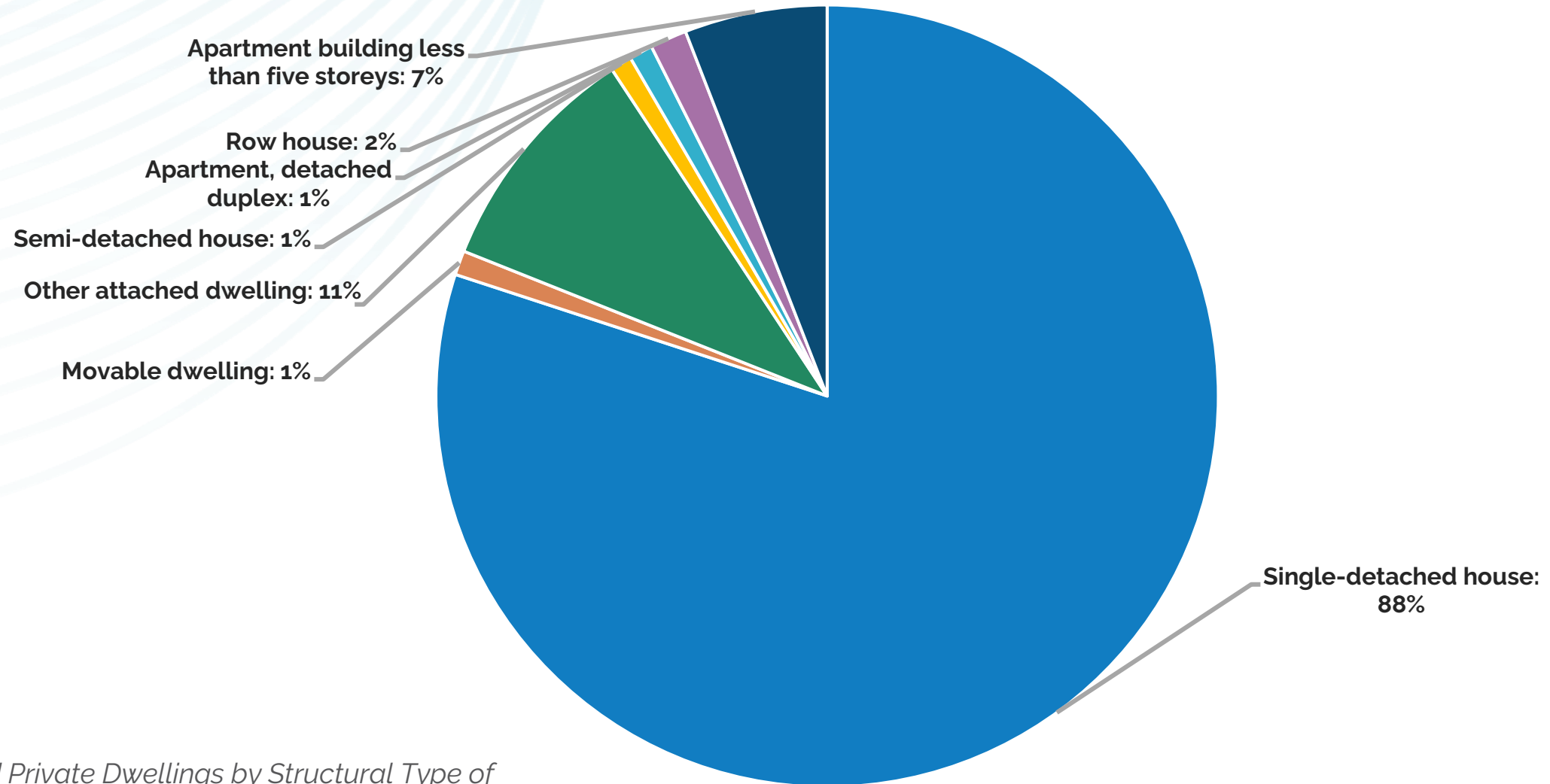
- This presentation is a summary of
 - Demographics Data prepared by MDB Insight (now Deloitte)
 - South Bruce and Area Growth Expectations prepared by *metroeconomics* (February 2022) (<https://bit.ly/SouthBruceAreaGrowth>)
 - Additional reference documents
 - NWMO. 2021. Deep Geological Repository Transportation System Conceptual Design Report Crystalline / Sedimentary Rock (<https://bit.ly/TransportationConceptualDesign>)
 - NWMO. 2021. APM 2021 DGR Lifecycle Cost Estimate Update Cost Summary Report (<https://bit.ly/DGRCostEstimate>)
- This growth forecast forms the context for most of the studies that will be presented at future CLC meetings

Current Demographics in South Bruce



*Population by Age,
South Bruce, 2020*

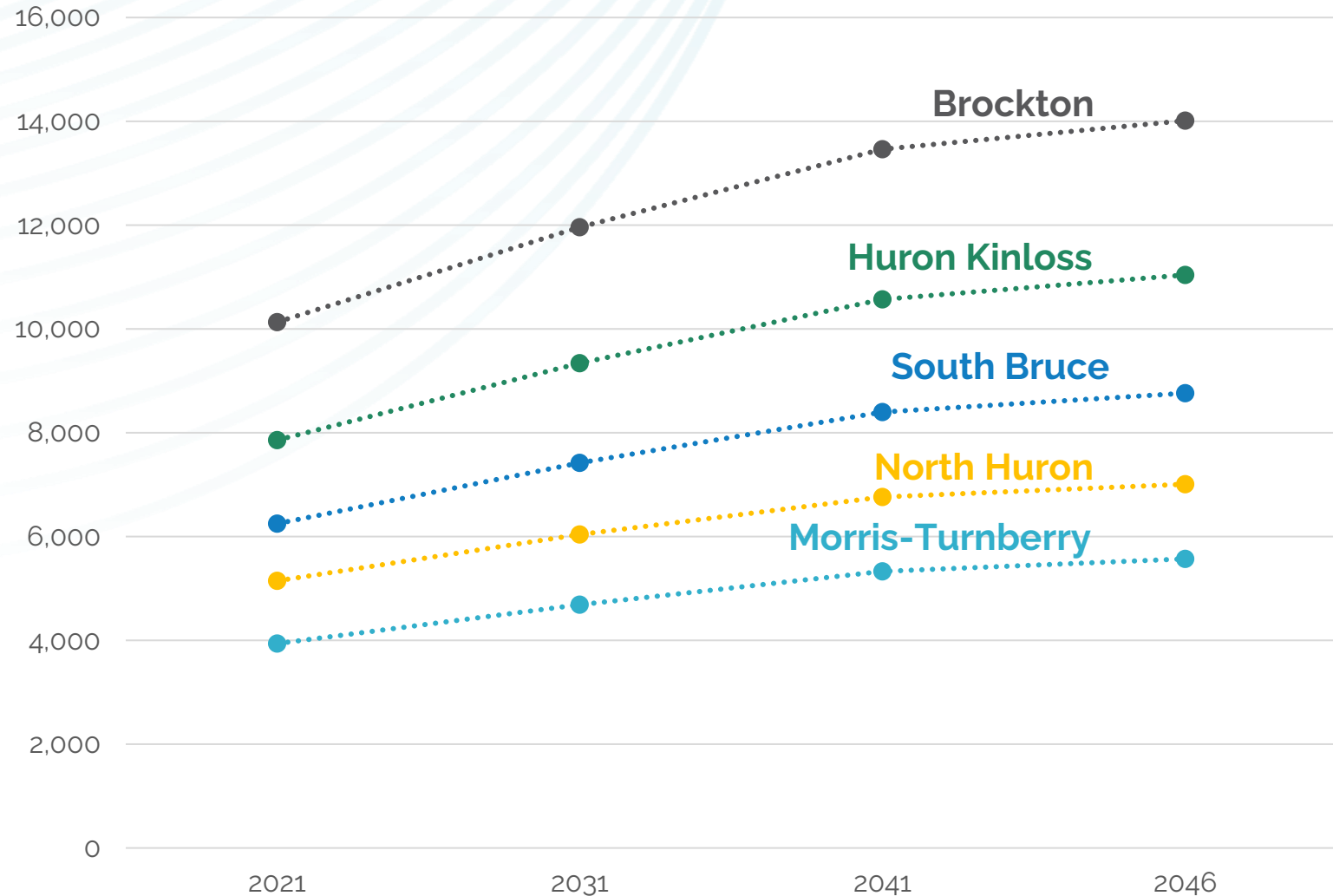
Current Housing in South Bruce



Growth Forecast Methodology

- *metroeconomics* undertook base case projections for population growth in the five Core Area Municipalities from 2021 to 2046
- These projections were compared to projections done by Bruce County and Huron County
 - *metroeconomics* projection: **13,060** people added between 2021 and 2046
 - Bruce + Huron County projection: **7,290** people added between 2021 and 2046
- Why the difference?
 - County projections were developed using different procedure
 - Baby boomers are expected to age “in place” and new residents will need to replace them as they retire
 - County growth projections are predicted for other areas of the county
- Population household and employment impacts are intended to be representative, different allocations within the Core Study Area are possible

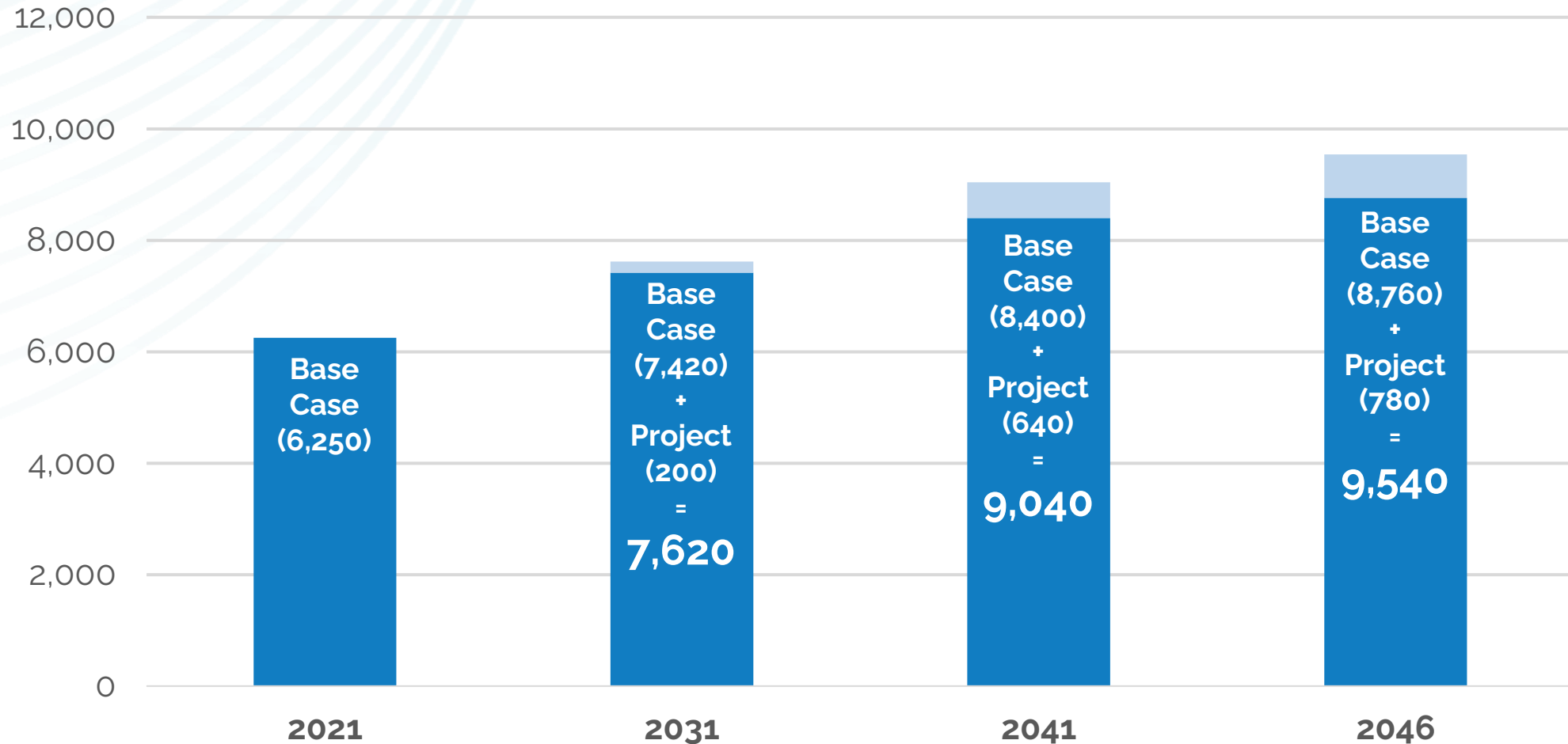
Population Growth Forecast – Base Case



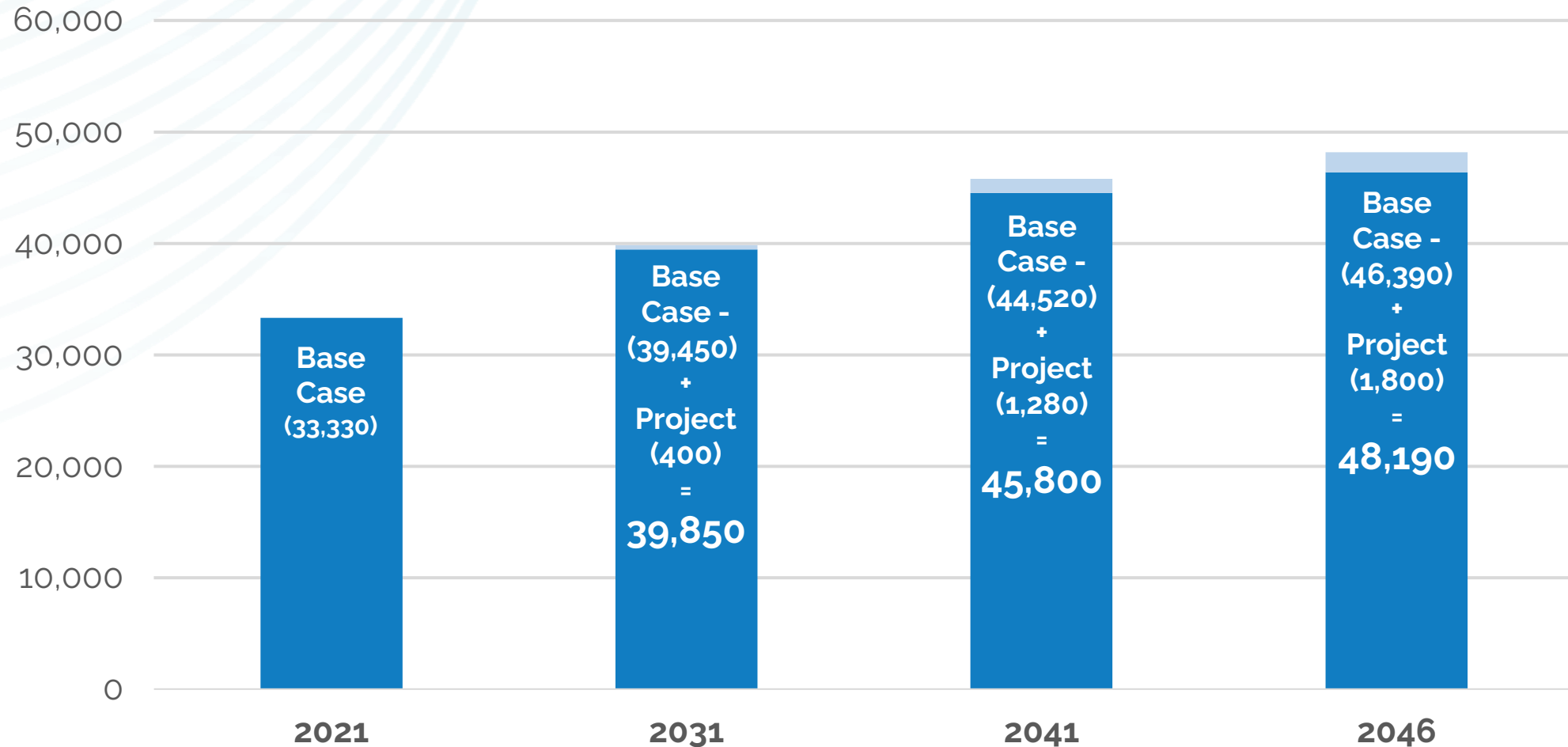
+13,000 people

The core study area is expected to grow from 33,330 to 46,390 people by 2046

South Bruce Population – Base Case + Project



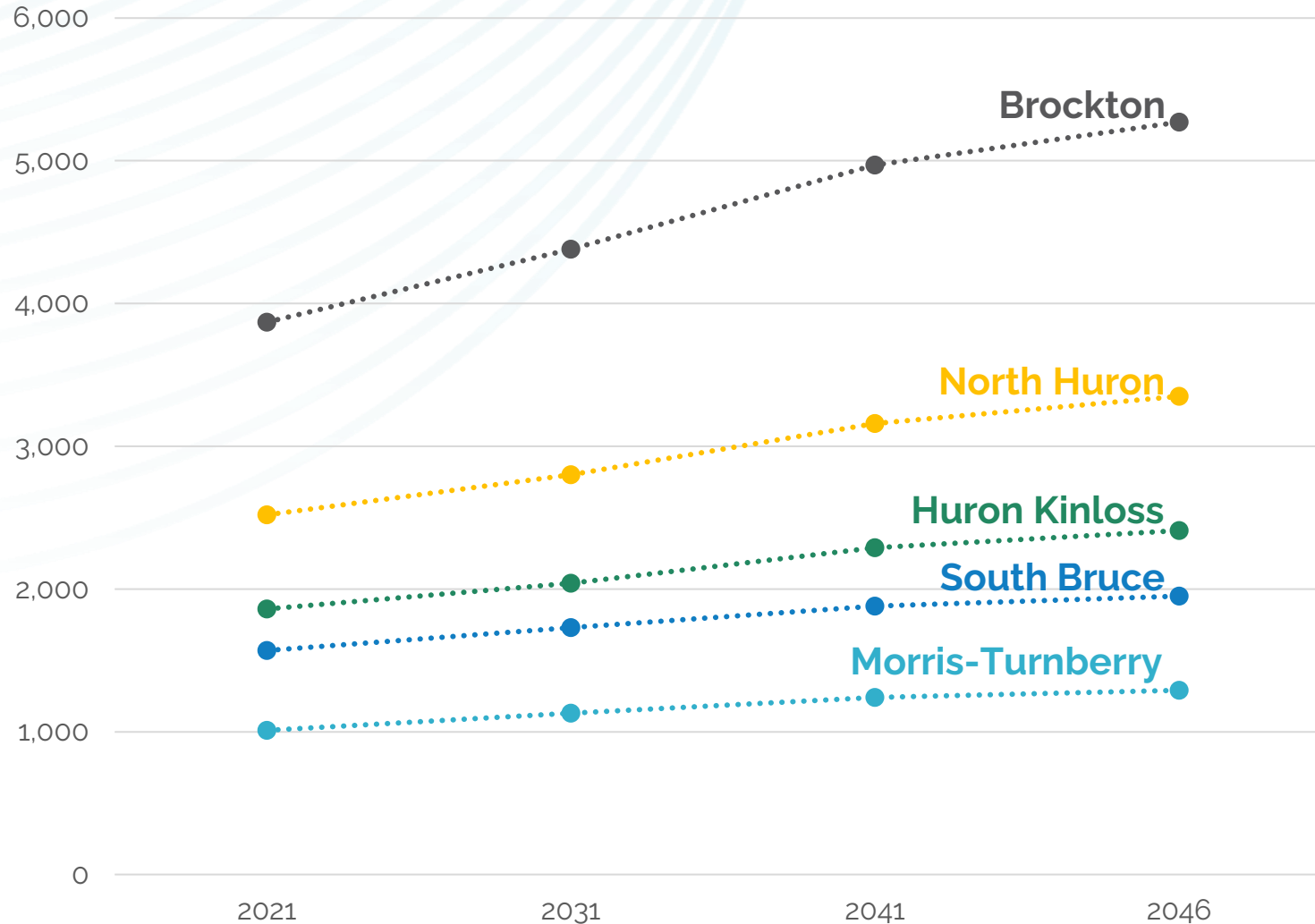
Core Study Area Population – Base Case + Project



Employment

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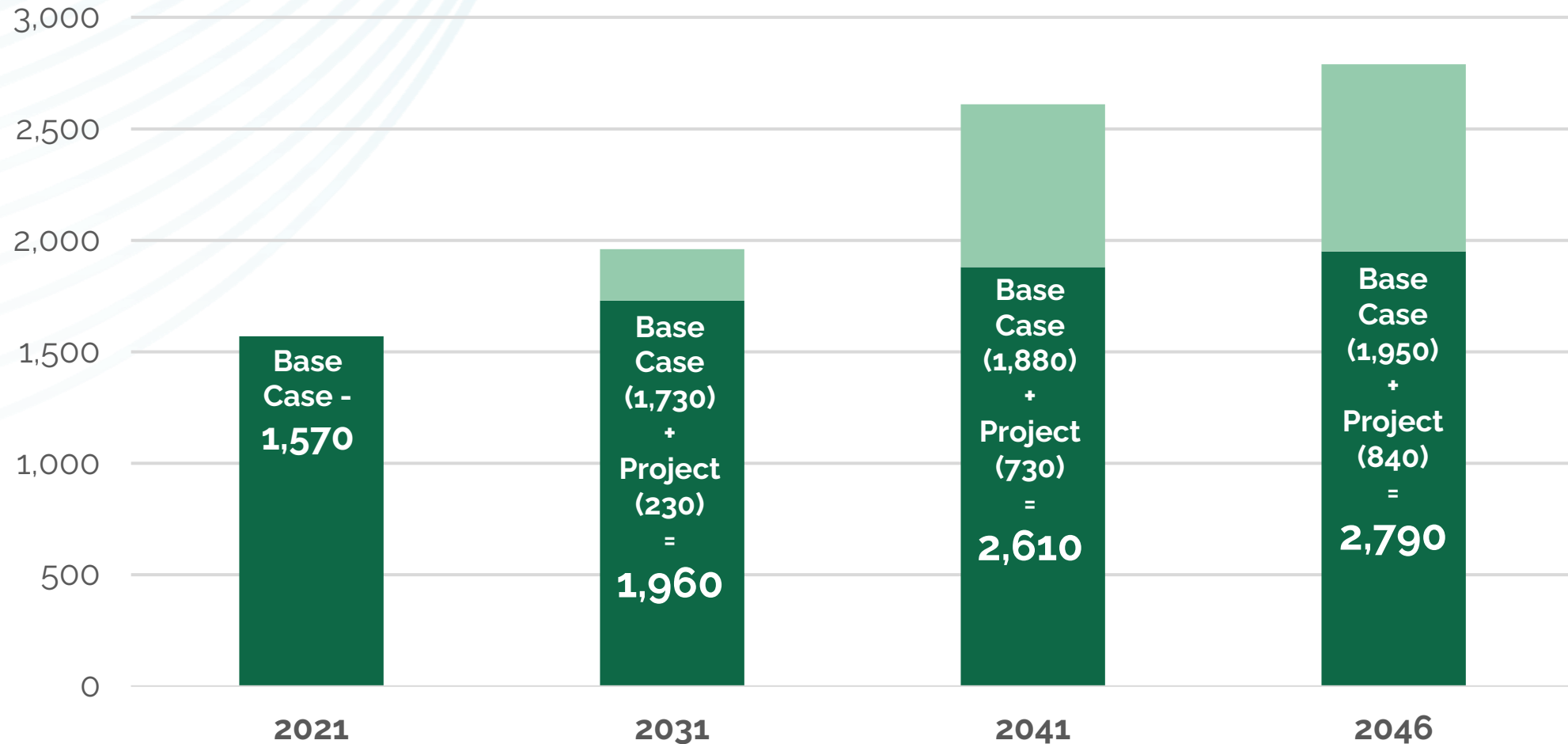
Employment Growth Forecast – Base Case



+3,400 jobs

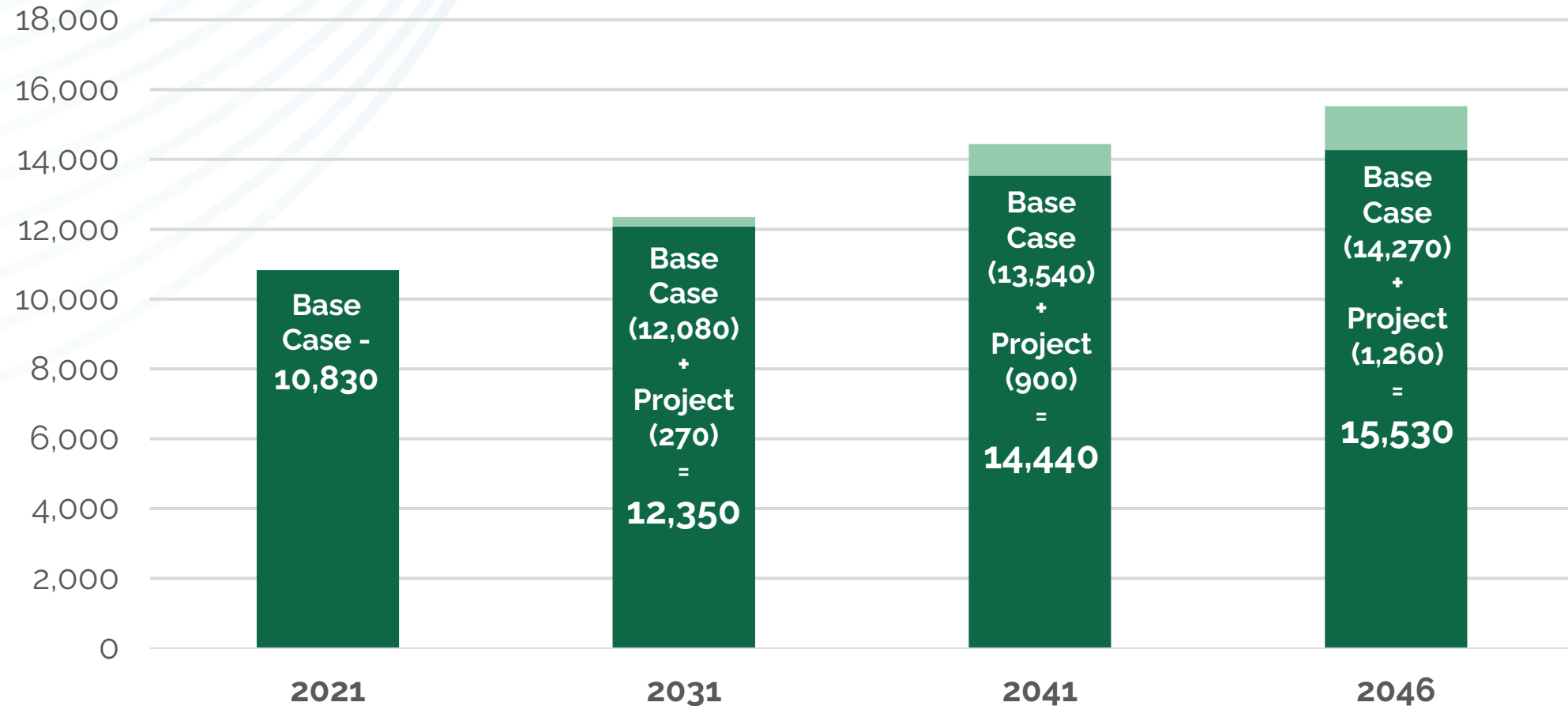
The core study area is expected to grow from 10,830 to 14,270 jobs by 2046

Employment in South Bruce – Base Case + Project



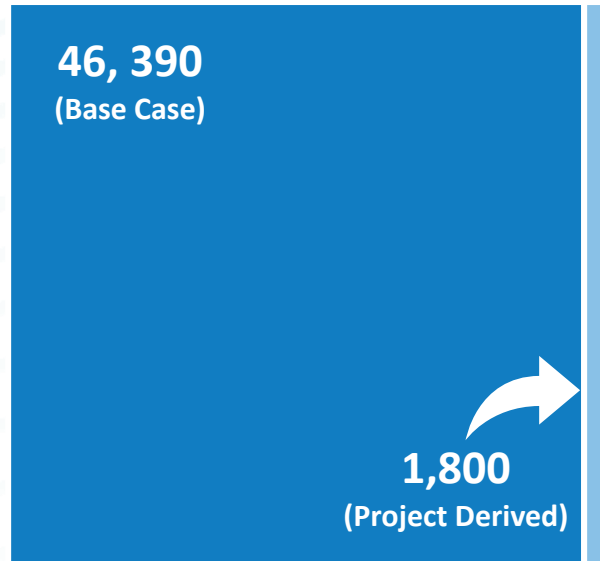
Includes direct and induced jobs

Employment in the Core Study Area – Base Case + Project

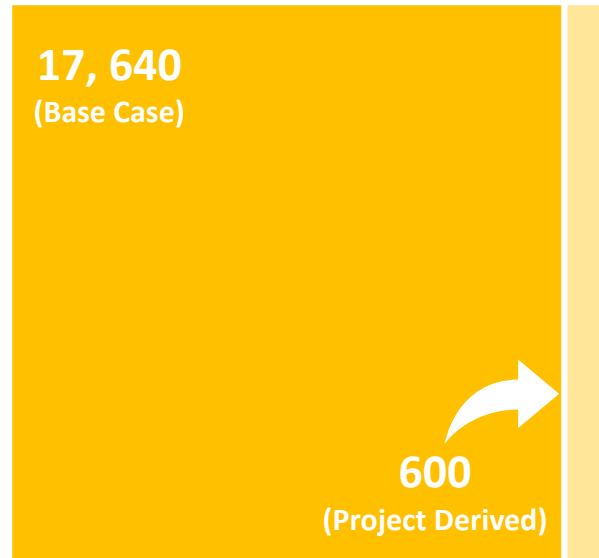


Includes direct and induced jobs

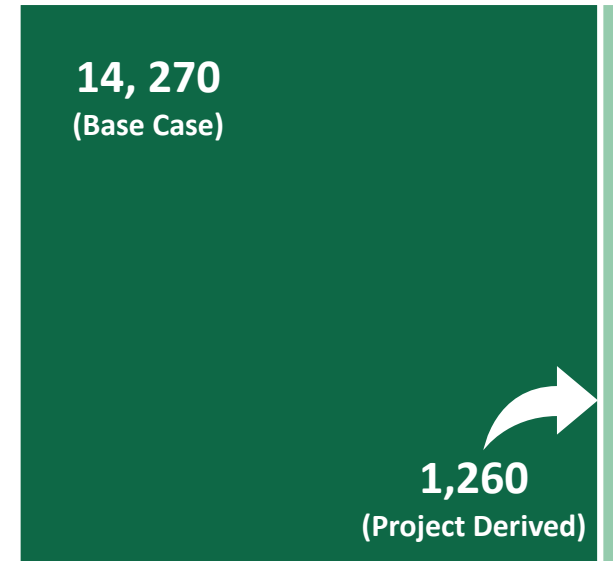
Summary of Impacts in the Core Study Area (2046)



Population in 2046



Number of Households in 2046



Number of Jobs in 2046

Next Steps

Today's Presentation: Baseline Conditions and Community Growth

- How much is South Bruce and the surrounding Region expected to grow with and without the Project?



Project Workforce Development

- What types of jobs when?
- What workforce will be available?
- How do we create opportunities for youth?



Urban Growth

- When will new housing will be needed?
- How do we keep housing affordable?
- How much more land would need to be developed?

Questions?

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