

The Public Realm in Resilient Communities

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‘Resilience is the pre-requisite of
sustainable development’

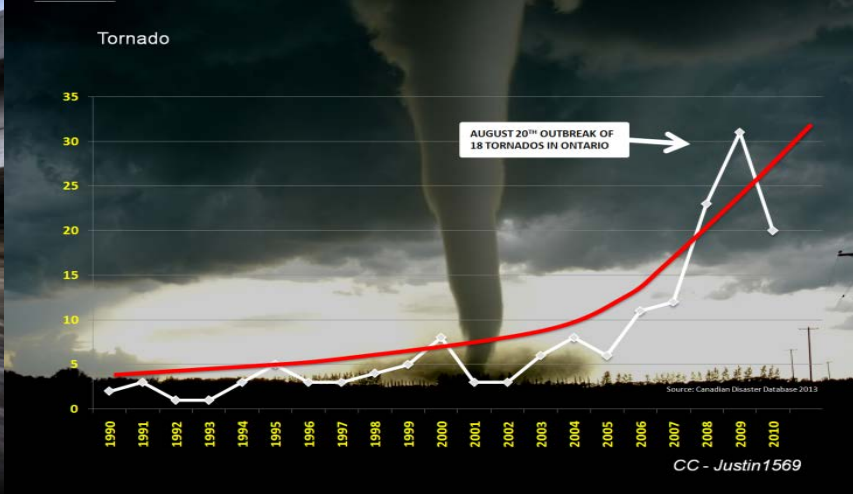
UNISDR 2013

Orientation

Public Realm as Critical Infrastructure

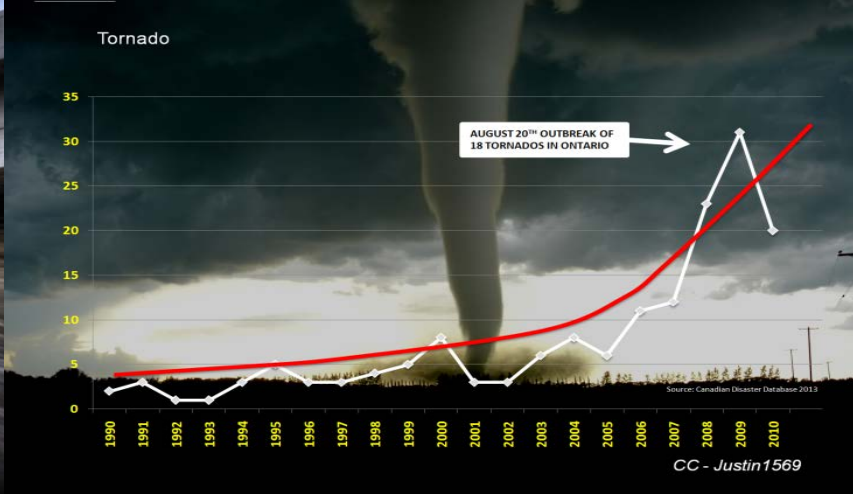
Adaptation & Response to Change

Planning for Resilience



Our world is changing





Manage the Changes



A photograph of an industrial building, possibly a power plant or refinery, at dusk. The building is made of brick and has several tall chimneys. The sky is a clear, deep blue. In the foreground, there is a street with several cars, including a yellow taxi. Streetlights are visible, and the overall scene is illuminated by the warm, golden light of the setting sun. The text "Resilience Planning" is overlaid in yellow, bold, sans-serif font, centered horizontally and positioned in the upper half of the image. Below it, a yellow not-equal sign is centered. At the bottom, the text "Infrastructure Hardening" is overlaid in the same yellow, bold, sans-serif font, centered horizontally.

Resilience Planning

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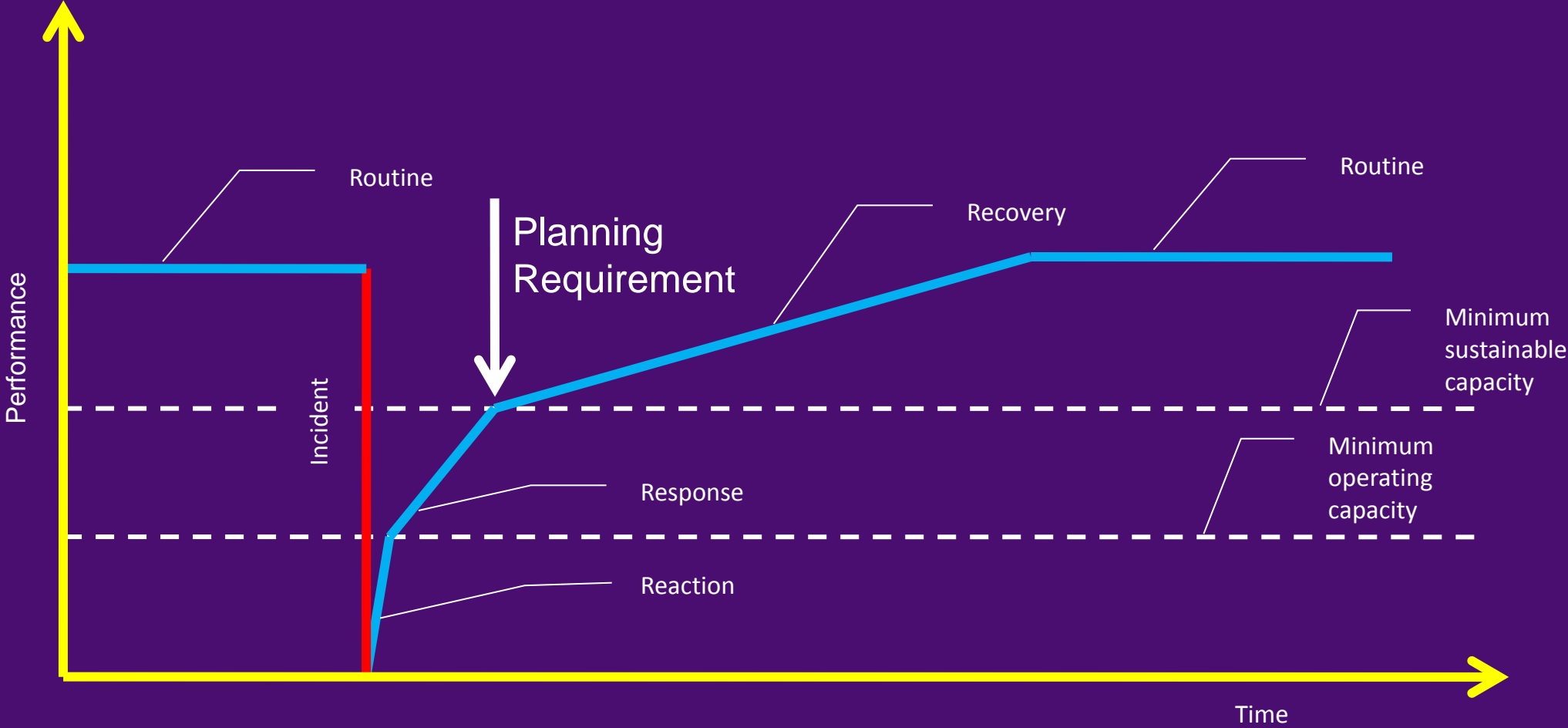
Infrastructure Hardening

‘It is that essential ability of an operation to respond to and absorb the effects of shocks and stresses and to **recover** as rapidly as possible normal capacity and efficiency.’

Operational Resilience

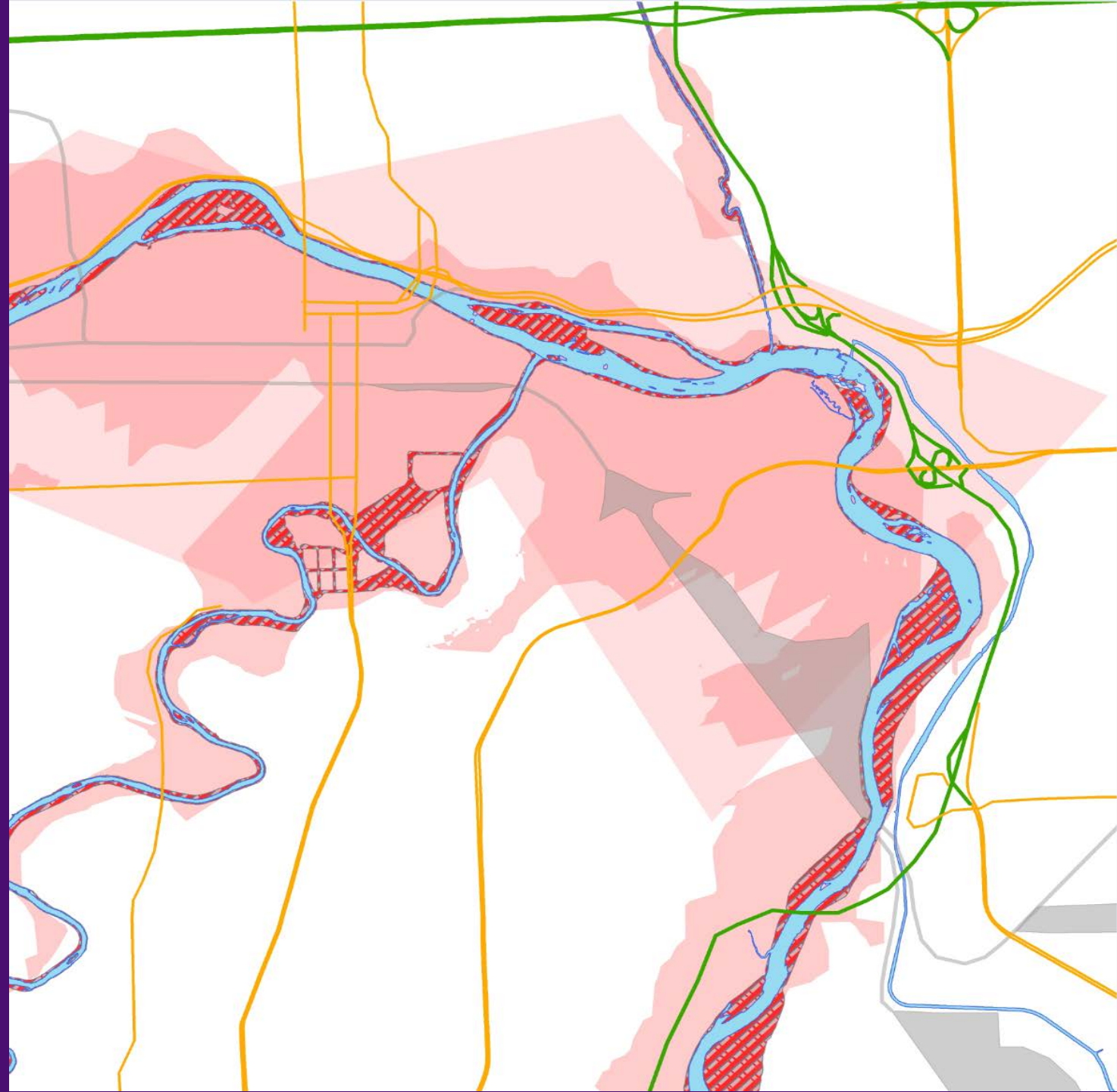
University of Toronto Centre for Resilience of Critical Infrastructure

Sequence of an Incident



Continuity of
Essential Functions

Inform Spatial
Arrangement





Community Focus
Community Identity
Balanced Infrastructure

Strategic Framework
Confidence in Leadership



Community Focus:

Community Building

Placemaking

Places for gathering

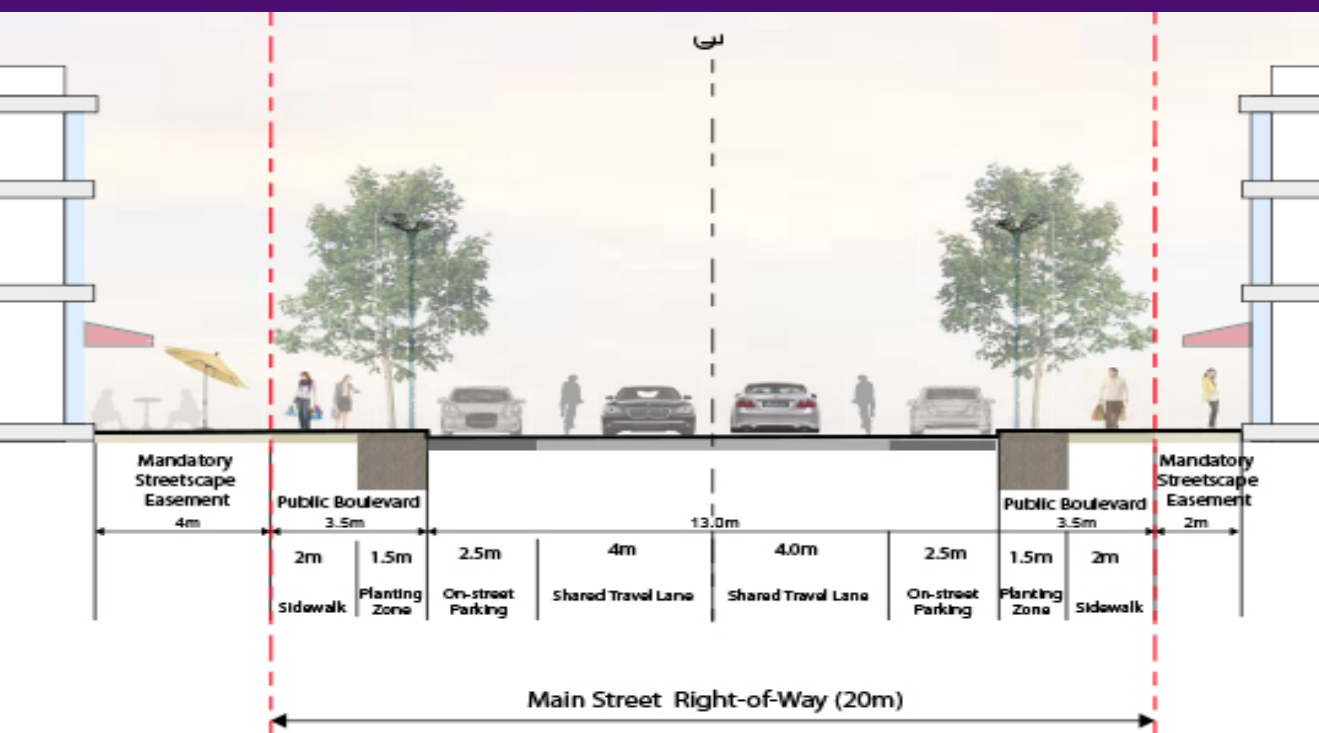
Protect heritage and sensitive landscapes

Create complete communities



Tecumseh Community Improvement Plan

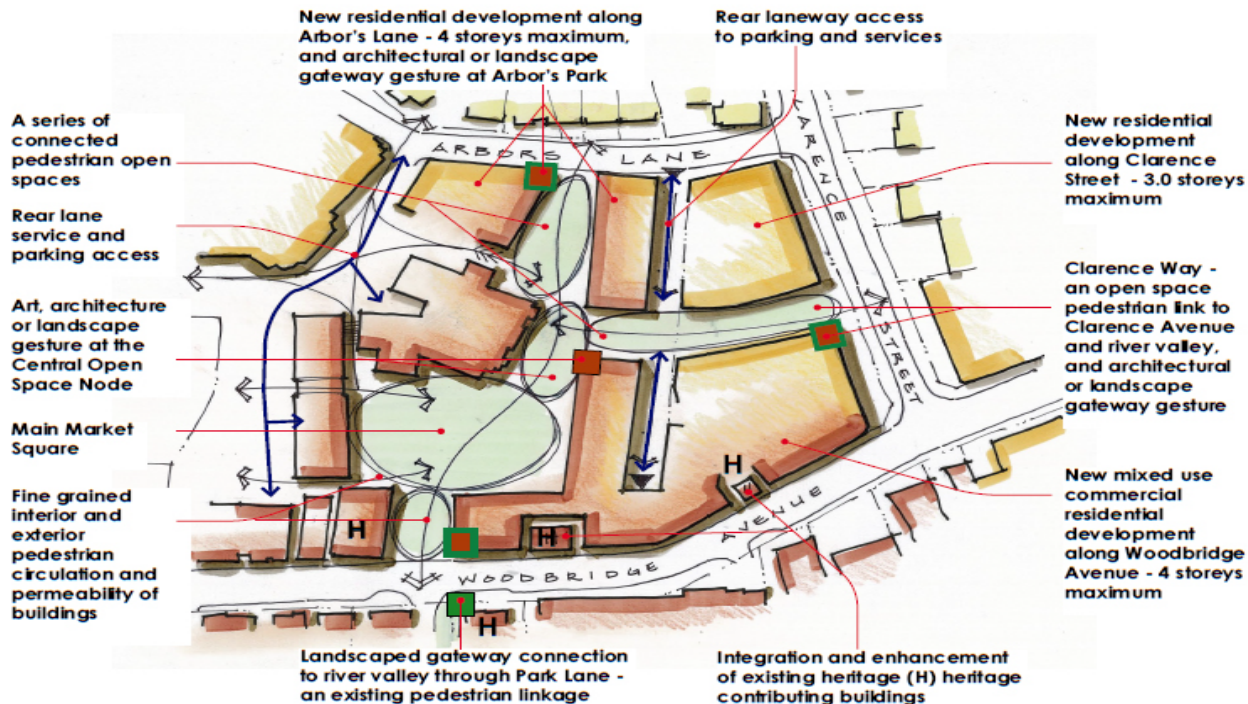
Community Focus





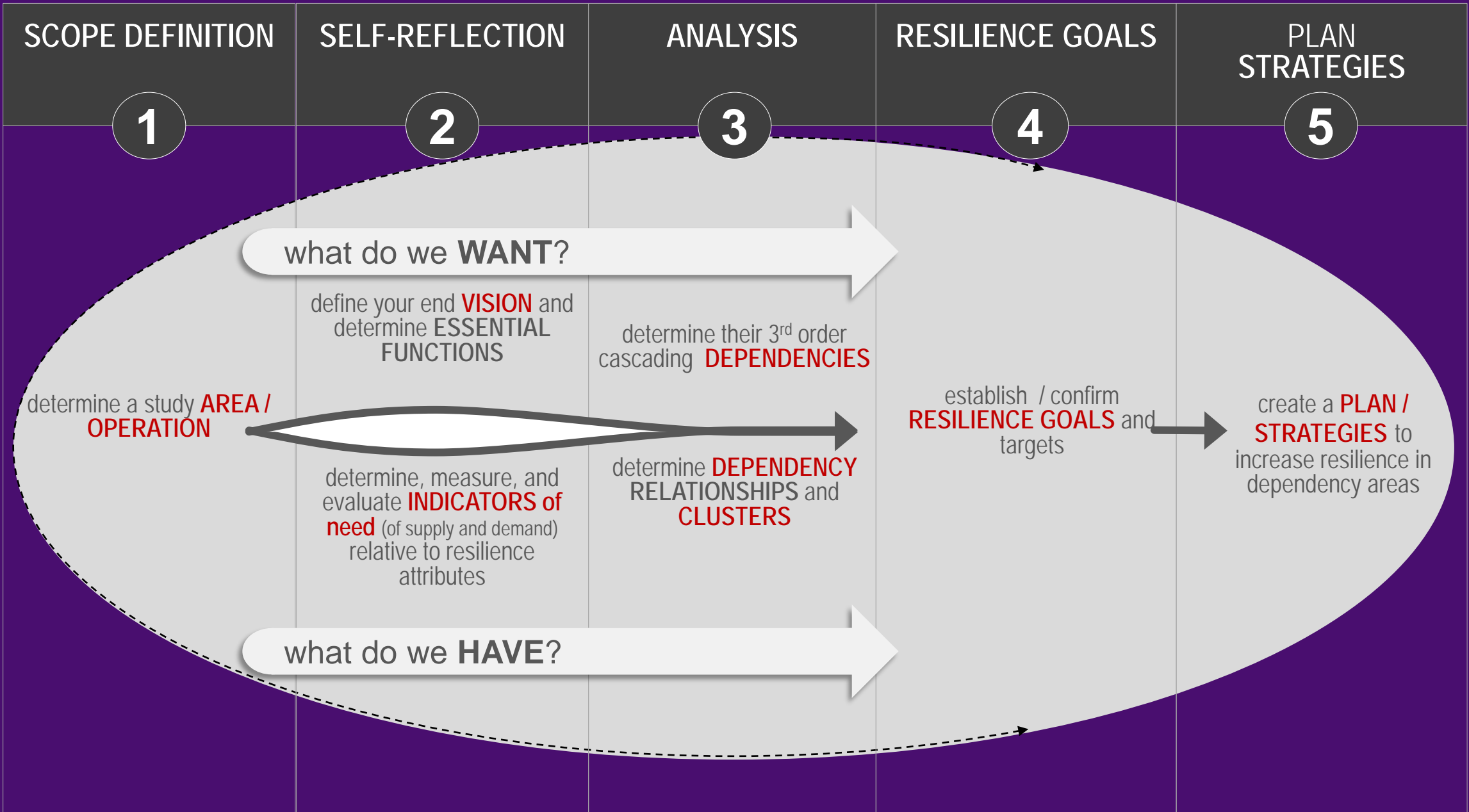
Woodbridge Focused Area Study

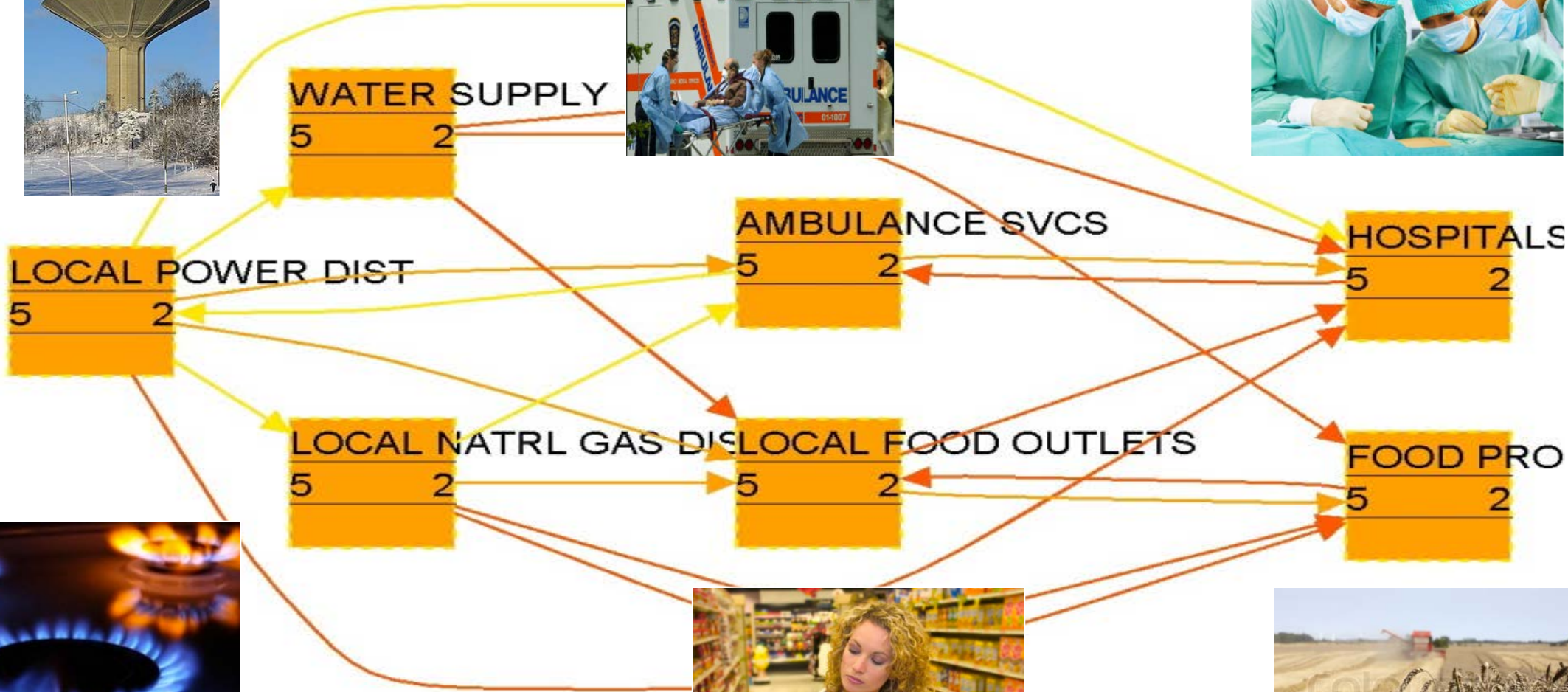
Community Focus

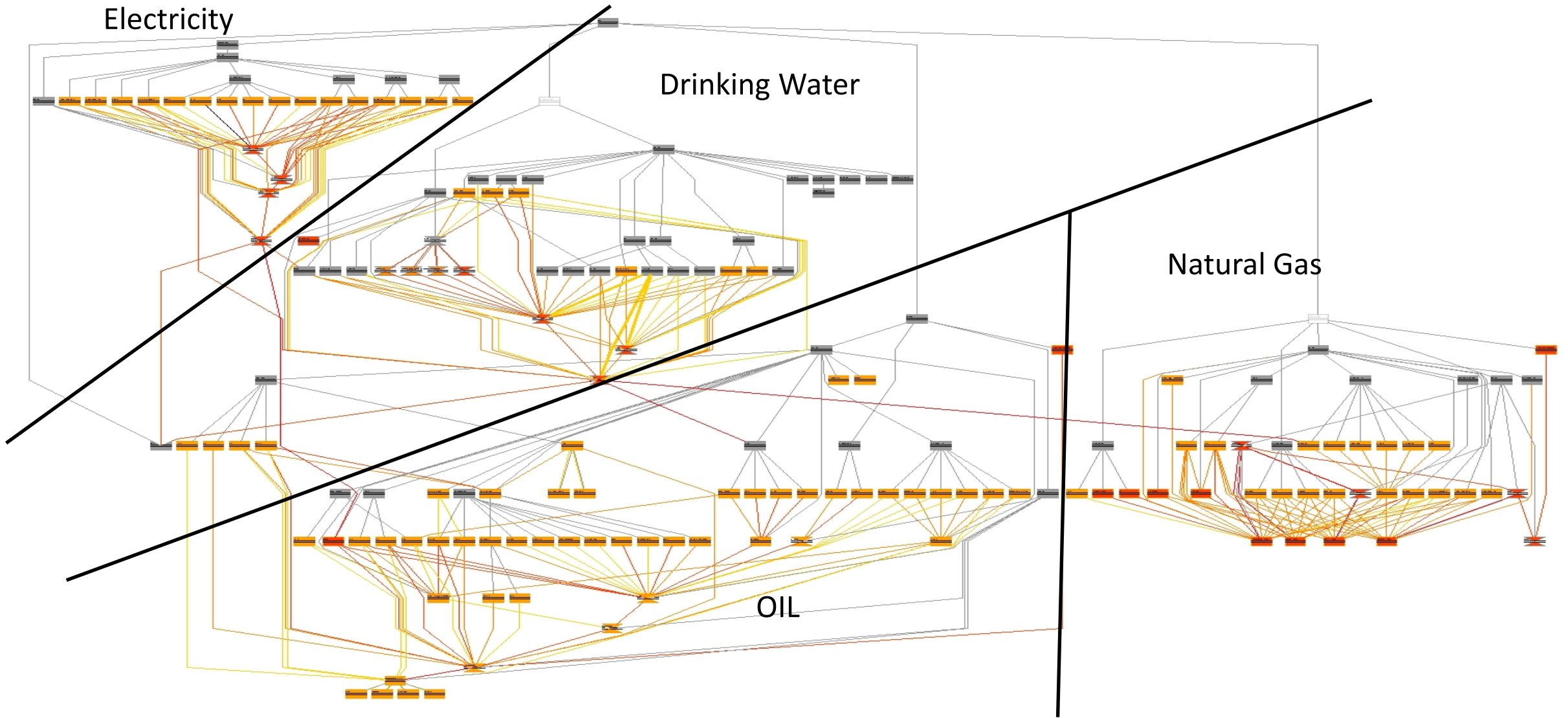




The Public Realm is Critical Infrastructure







File Analysis Chart Help

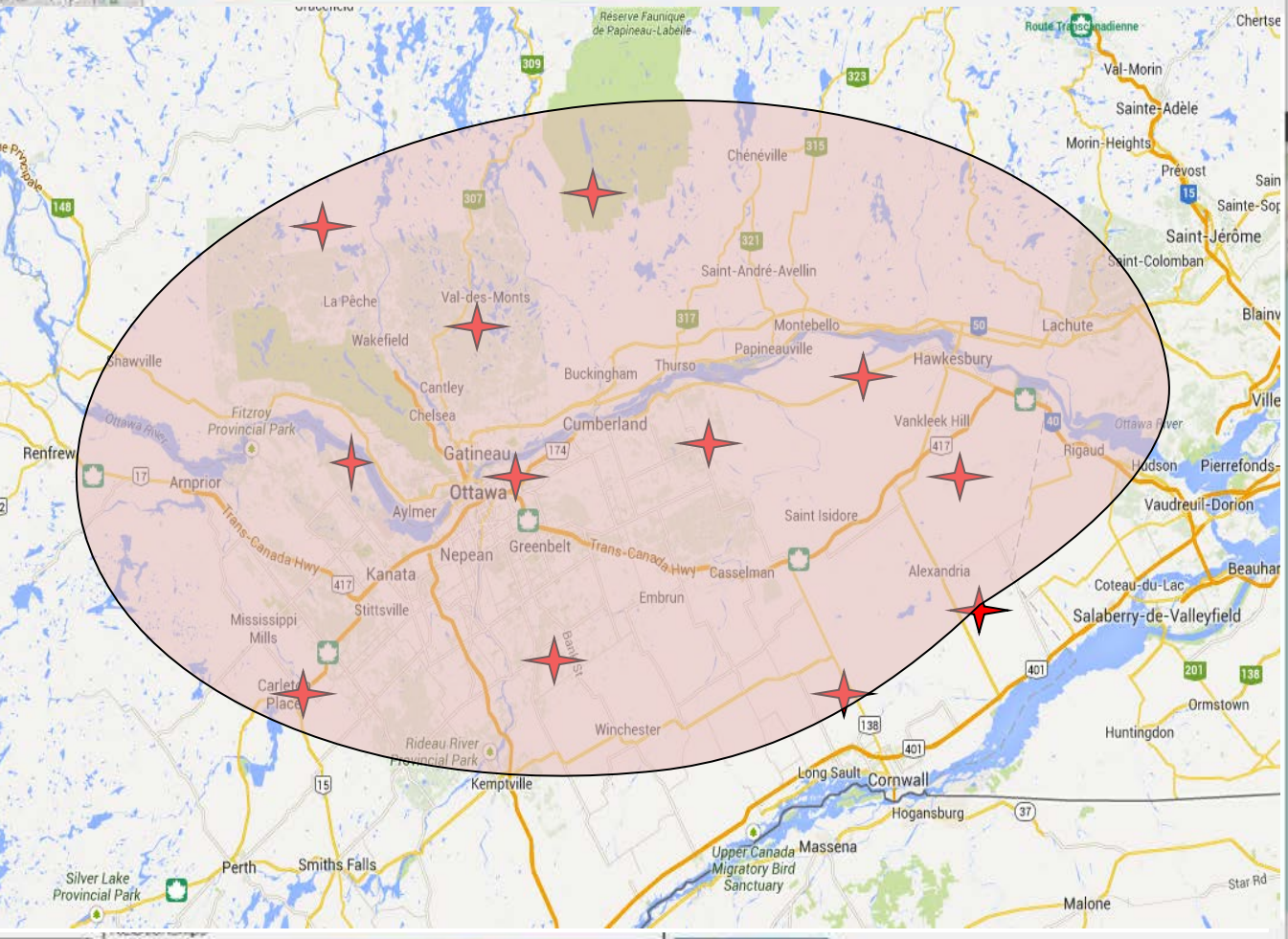
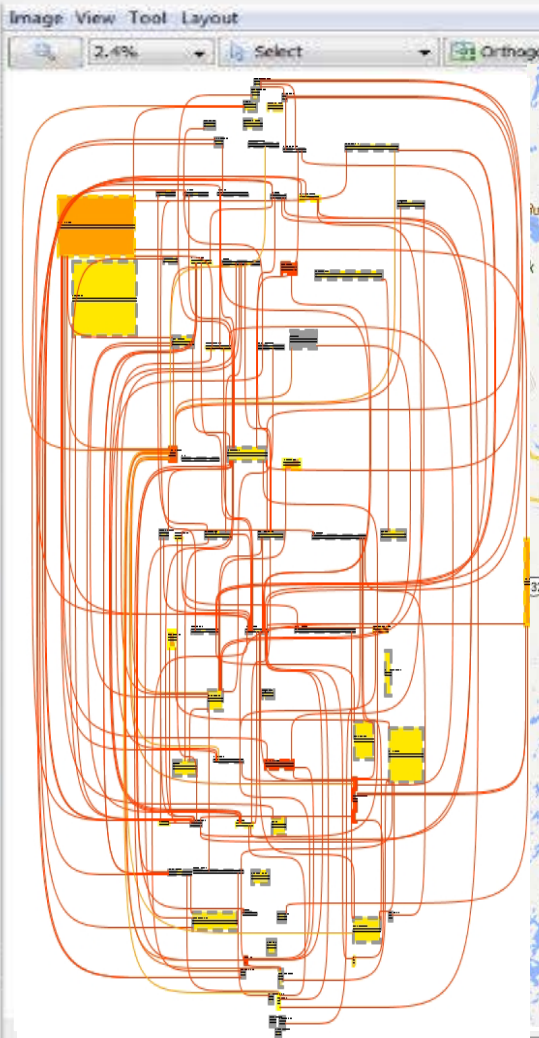
Enables Relationships Sequence Categories Weights

Reference Entity Downstream Dependents

- Ontario Critical Infrastructure Ass
- Electricity Sector
 - Process
 - Generation
 - Control
 - Transmission
 - Distribution
 - Enablers
 - Telecom
 - Voice
 - Data
 - Feedstock Fuel
 - Nuclear
 - Coal
 - Water
 - Oil
 - Gas
 - Wind
 - Materials and Supplies
 - Financial
 - Payroll
 - Work Force
 - Food & Drinking Water
 - Food
 - Drinking Water
 - Backup Generator Fuel
- Natural Gas Sector
 - Process
 - Storage
 - Storage Operator
 - Transmission
 - System Operation
 - Transmission Oper
 - Distribution
 - Distribution Opera
 - End Use
 - Enablers
 - Telecom
 - Voice
 - Data

Direct dependency: 0 Disabled More >

Add Remove



Neighbors Hierarchical Direct Labels Progression Categories

Purpose *before* Infrastructure



Kipling Avenue Corridor Study

Densification



Joel Weeks Park

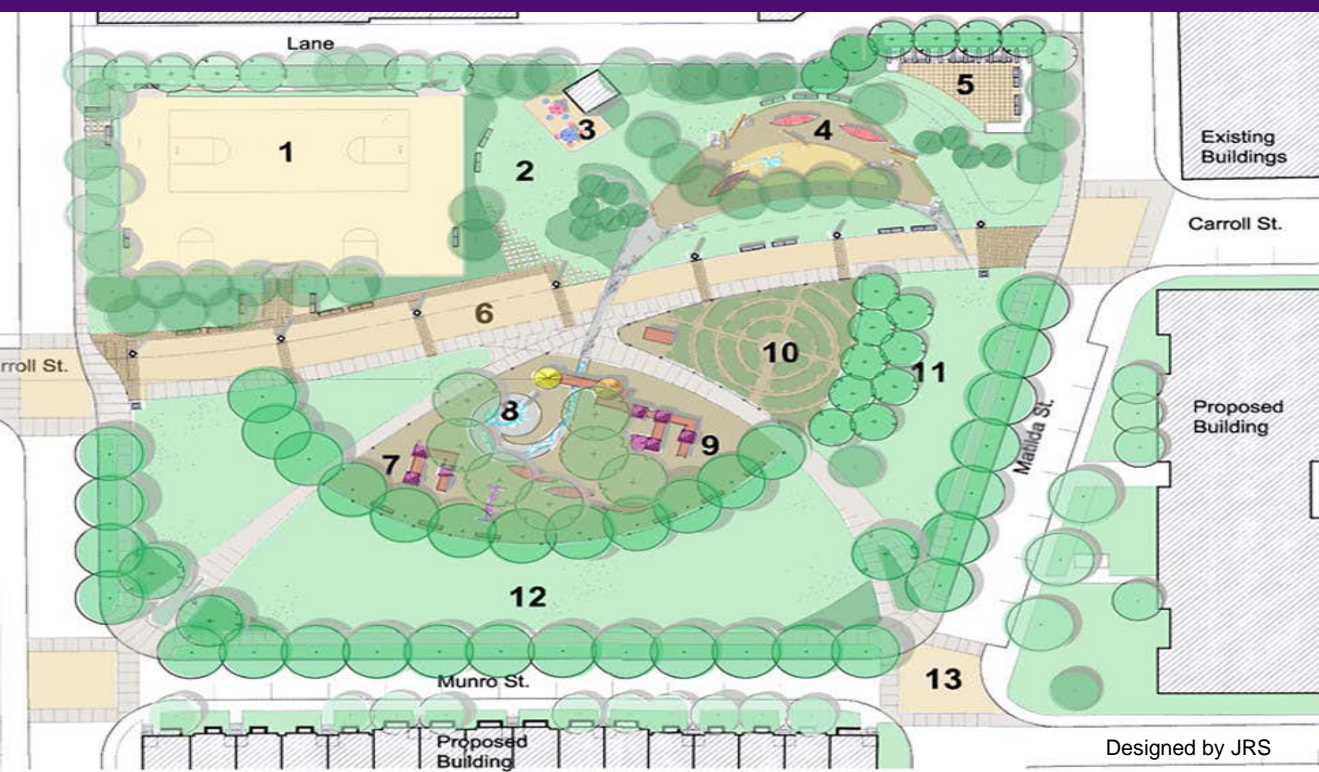
Multiculturalism

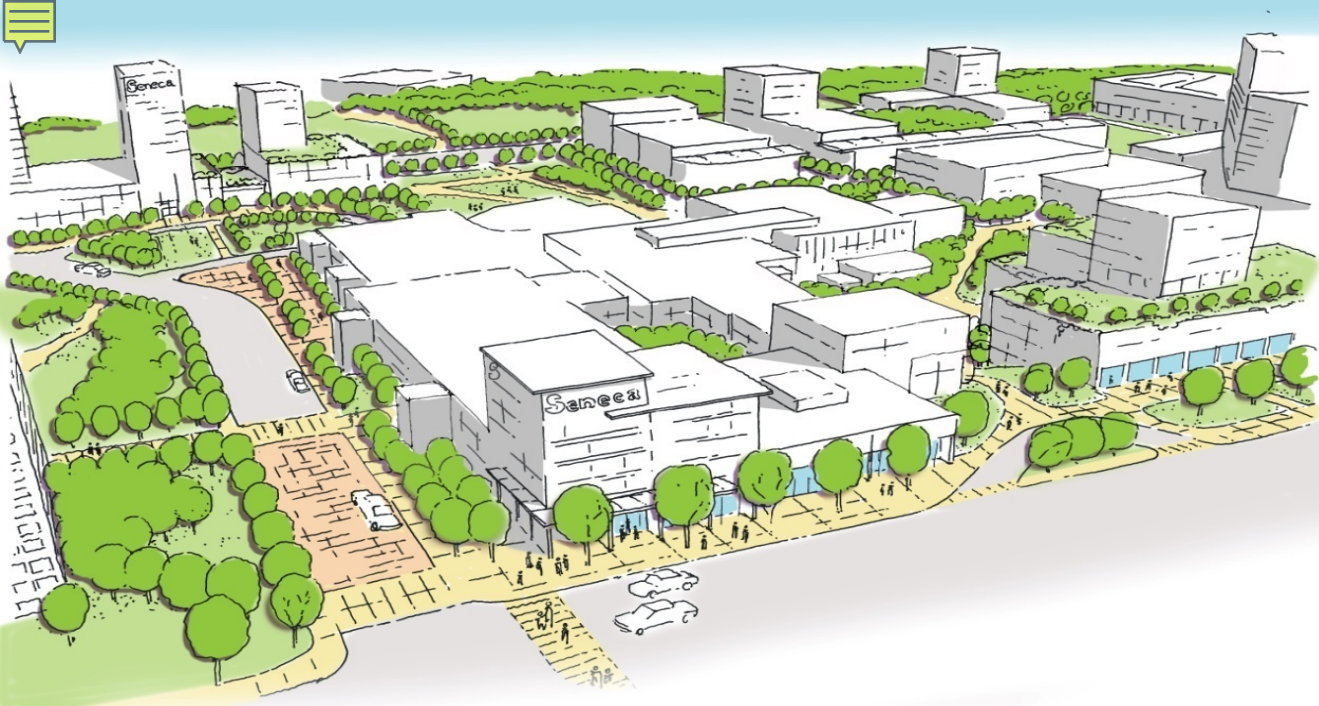




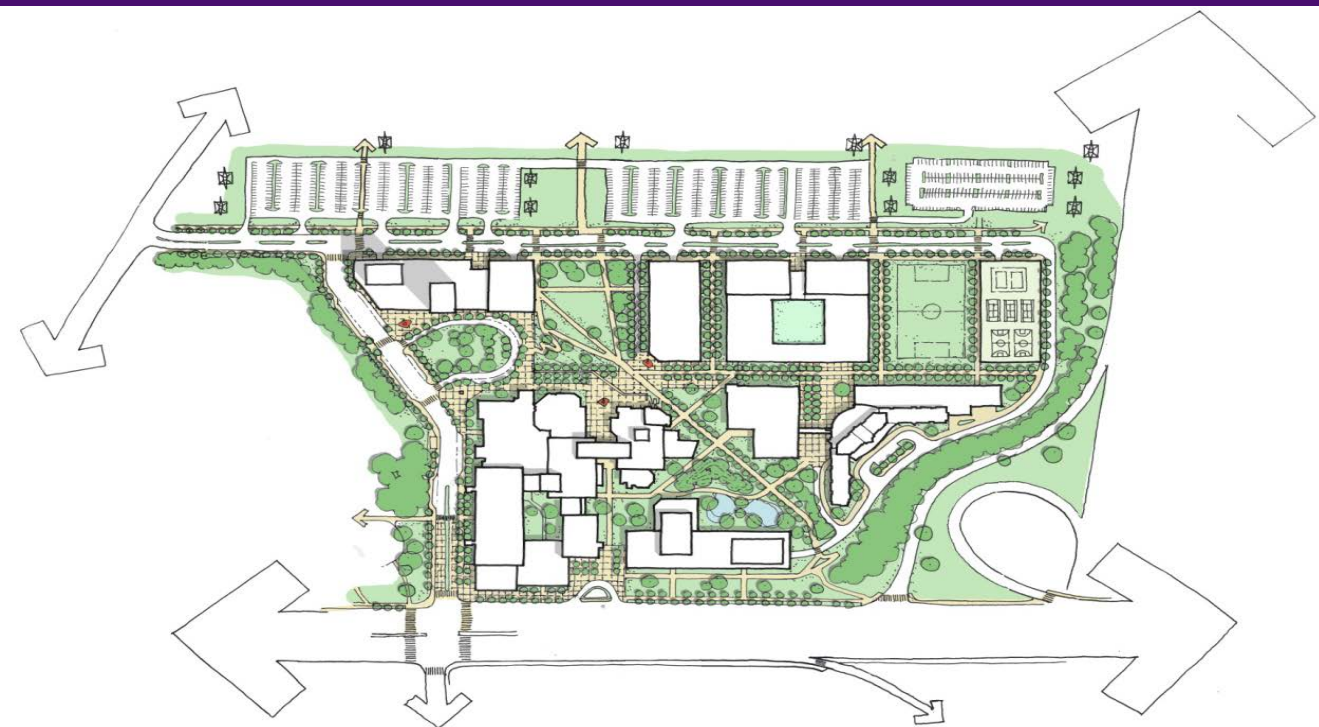
Joel Weeks Park

Multiculturalism





Seneca College Newnham Campus



Technological Change

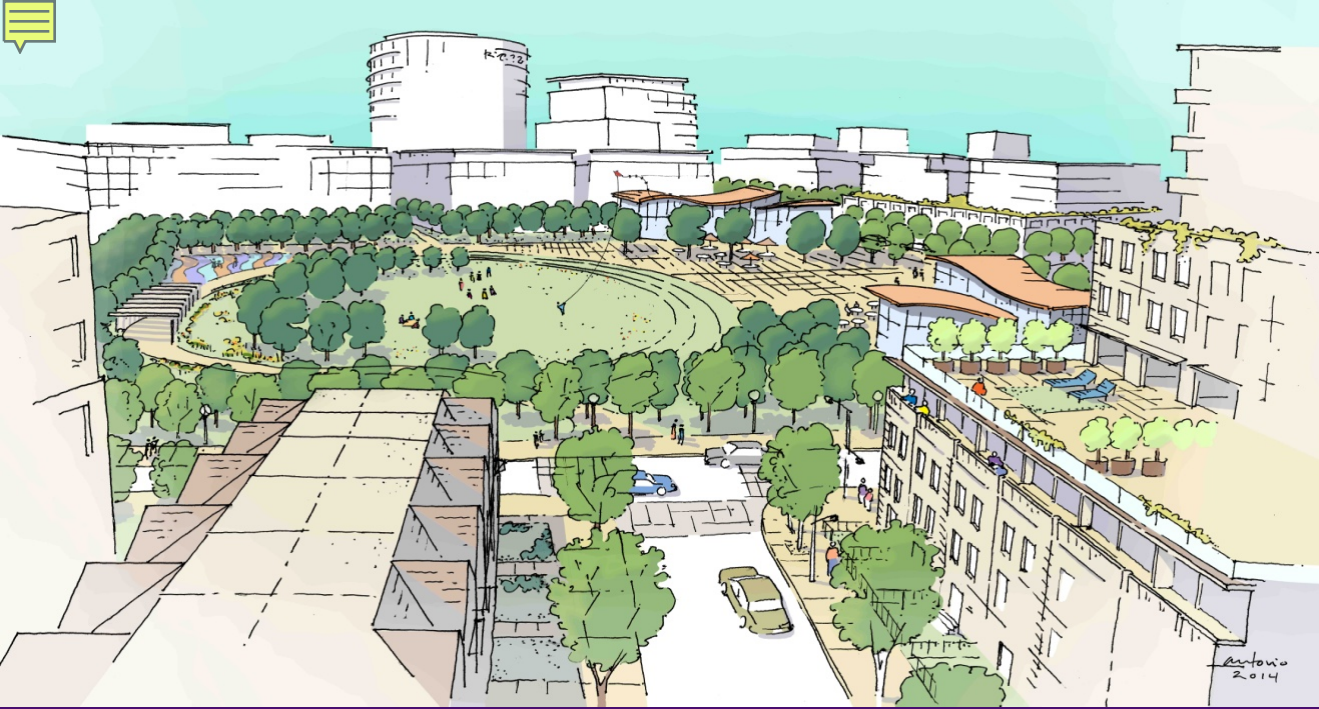


Seneca College Newnham Campus Technological Change



University of Calgary West Campus Lands

Income Diversity



University of Calgary West Campus Lands



Income Diversity



Characteristics and Drivers

Community Focus

Location Risk

Public Realm enables Resilient
Communities

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