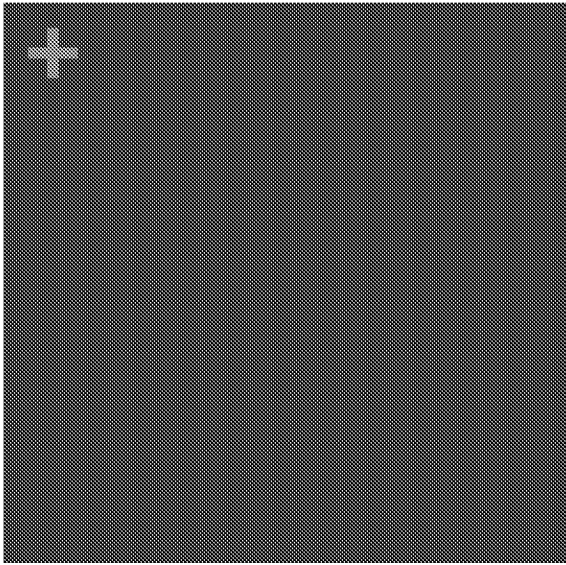
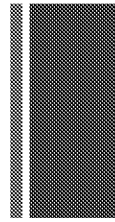


Municipalities & DSM

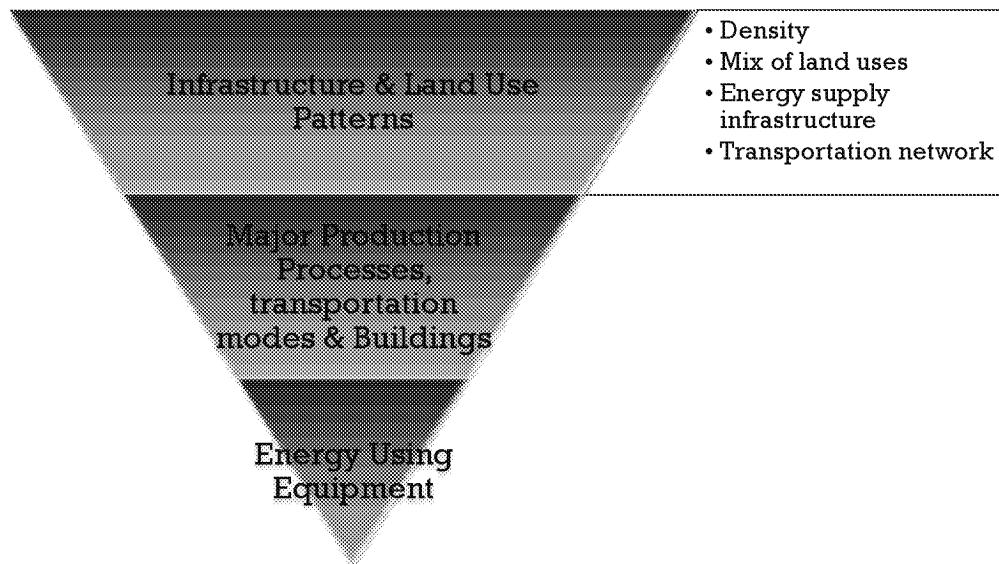
Julia McNally
March 1, 2017

+ Topics



- Drivers for CEP
- Why Municipalities
- The Challenges

+ Energy Efficiency Hierarchy



INFRASTRUCTURE AND LAND USE PATTERNS

Density

Mix of land uses

Energy supply infrastructure

' Transportation network

MAJOR PRODUCTION PROCESSES, TRANSPORTATION MODES AND BUILDINGS

Figure 1

Choice of industrial process

Choice of transportation mode

Building and site design

ENERGY USING EQUIPMENT

Transit vehicles

Motors • Appliances

• HVAC systems

+ Vancouver Sewer Heat Recovery



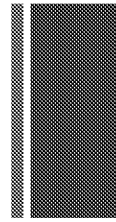
+ Pan Am Games Village



+ ZIBI, Ottawa



+ The Challenges

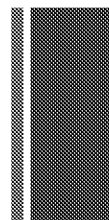


Kathleen Wynne stopping John Tory's plan for tolls on DVP, Gardiner

'Council has now looked at all options for district energy systems in our city, after learning the systems have not achieved any of the environmental and revenue-generation benefits that were promised. Maintaining the systems "as-



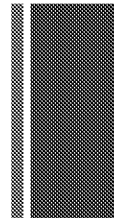
Community Energy Knowledge and Action Partnership



A partnership of Canadian universities, local and regional governance partners and civil society organizations with a shared interest in the successful implementation of community energy plans. We strive toward communities that are not only energy sustainable but also prosperous, equitable and resilient.

www.cekap.ca

+ Readings



- “From Equipment to Infrastructure”, Jaccard, Failing, Berry, Energy Policy, vol 25, no 13, 1997
- QUEST Potential Study 2009-2010, modeling by MKJA
- “Suburbia Forever”, Joe Berridge, Literary Review of Canada, Sept 2007