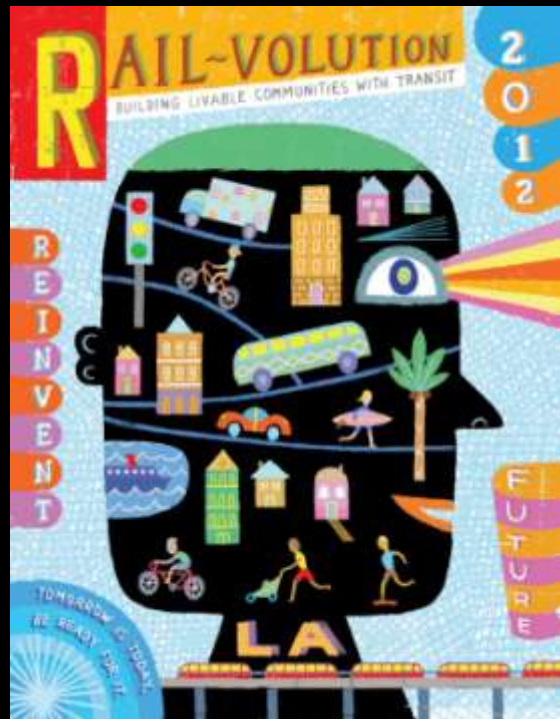




Building Livable Communities with Transit



Eco~TOD: Sustainable Transit Villages

**James Hencke, ASLA, LEED AP
Urban Design + Planning**

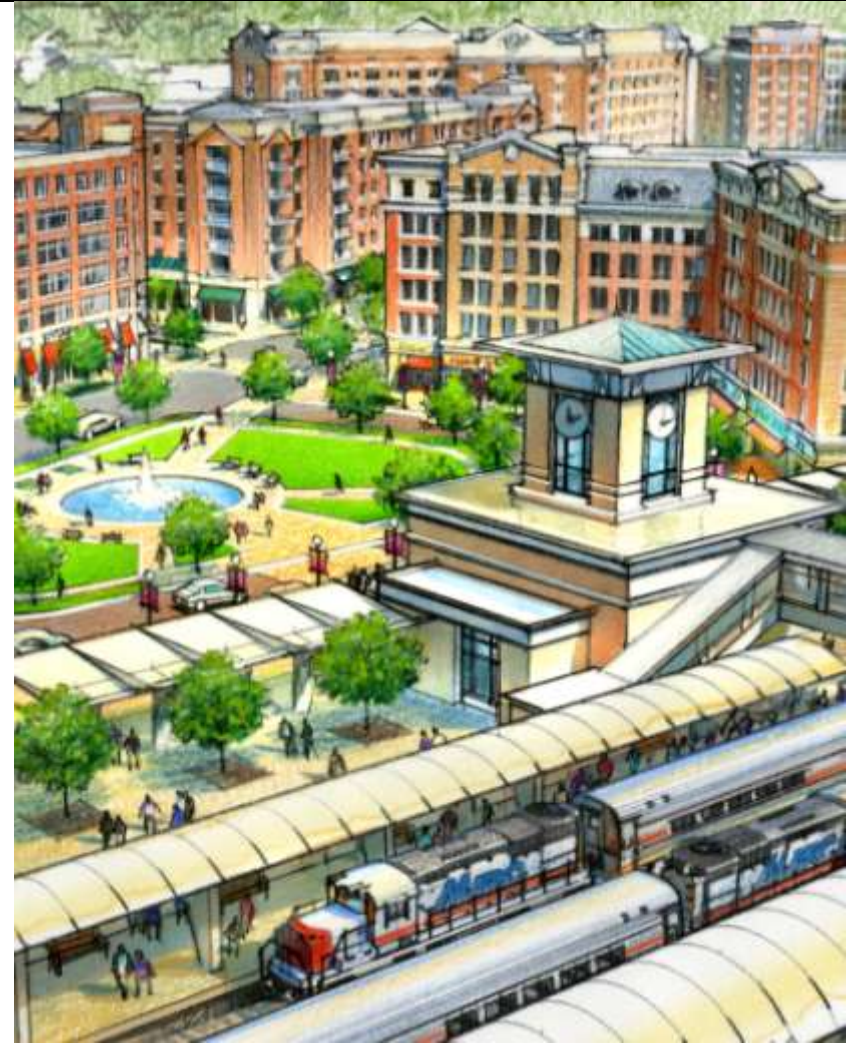
jim.hencke@gmail.com

Rail~volution

Building Livable Communities with Transit

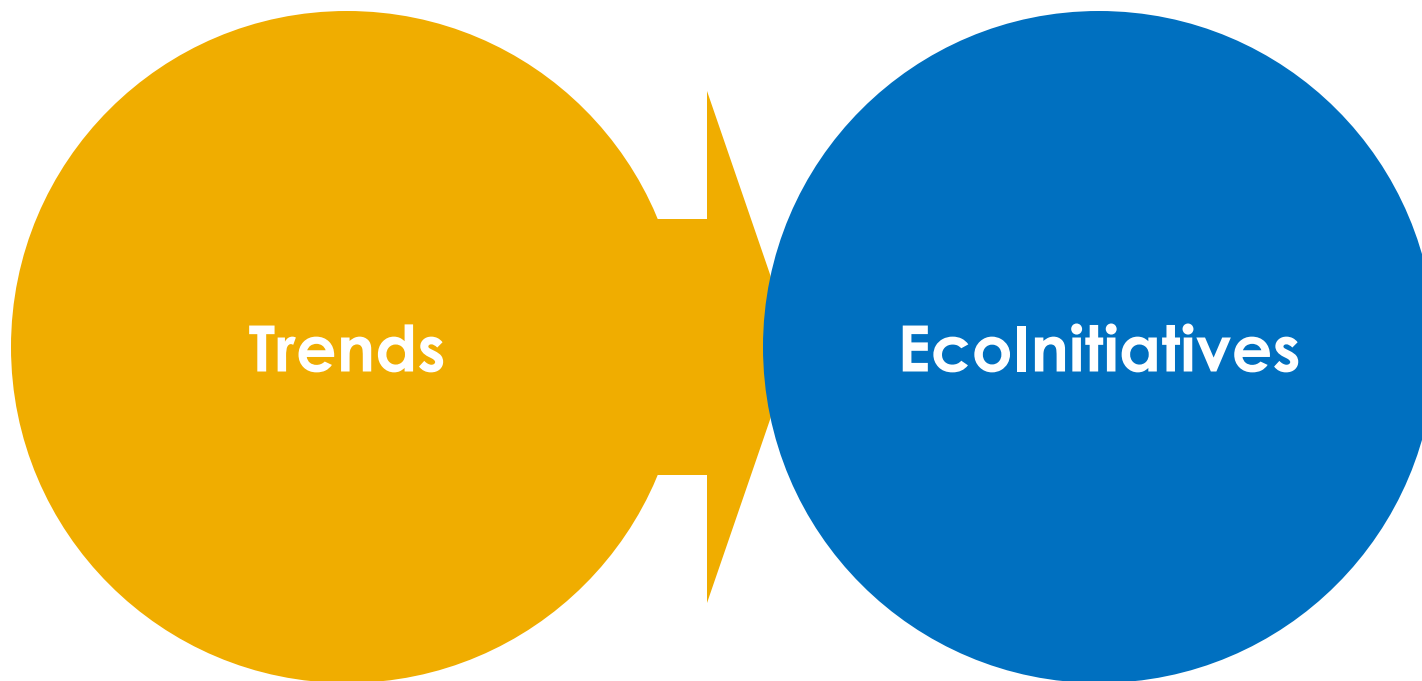


- Why Eco~TOD?
- Eco~TOD Examples
- How?



Aberdeen TOD Concept, MD

Why?



Regeneration & Resilience

Competitive Places

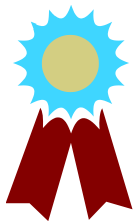
Restoring Ecosystems

Thriving Communities



Twin Creeks, Oregon

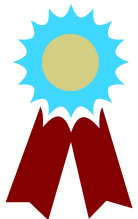
- Seven housing types
- Two restored creeks
- 30% open space
- Future bus & commuter rail
- Mixed use core



*2010 IMCL Child Friendly Communities
Neighborhood Honor Award*

Tysons Corner, Virginia

- Four new Metro stations
- Suburban retrofit
- 16% carbon reduction



2011 APA Daniel Burnham Award

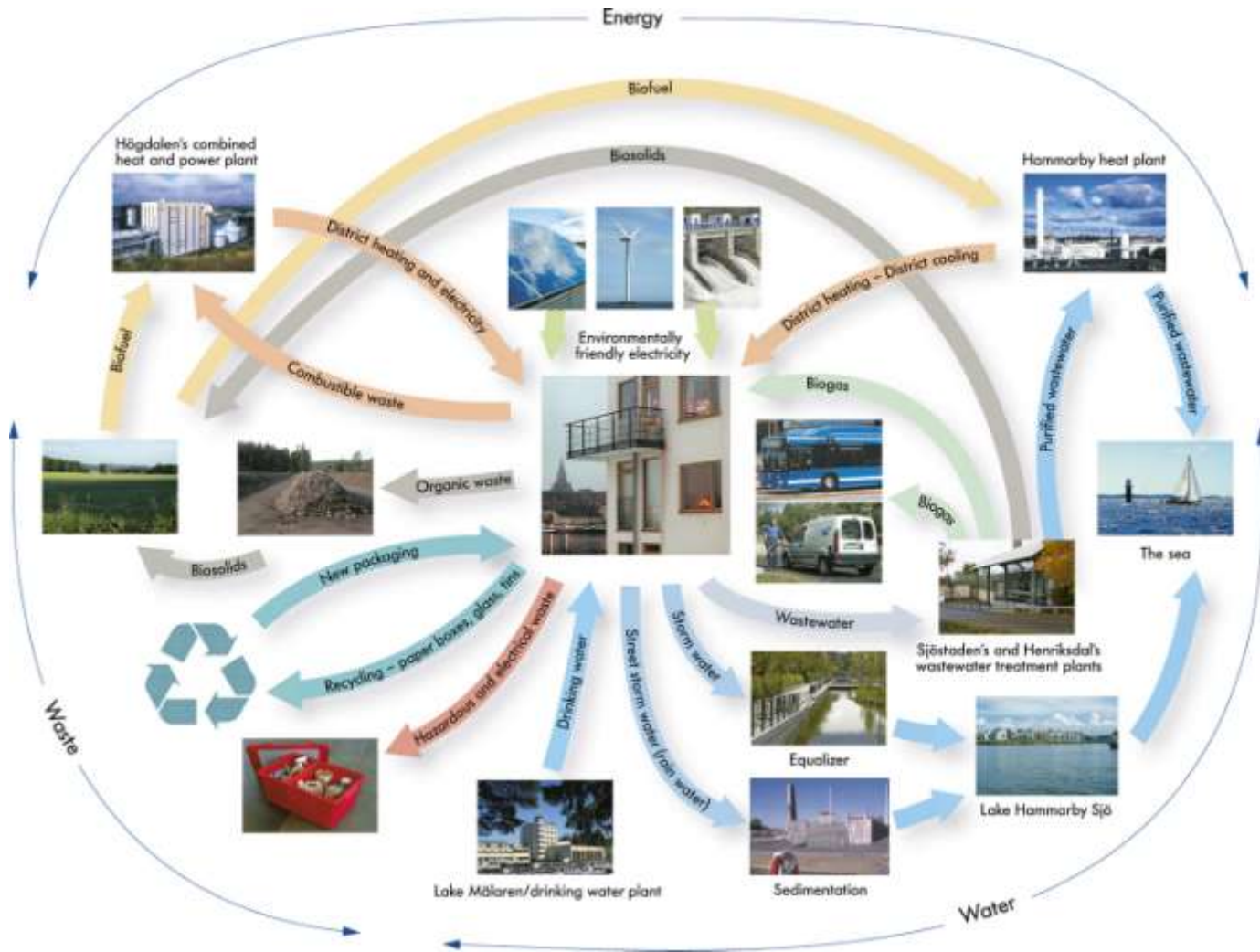
Hammarby, Sweden



Hammarby Performance

- Mode all trips
 - 21% car
 - 52% transit
 - 27% bike/walk
- 28 u/a
 - 54% own
 - 46% rent
- Less autos
 - 0.65 parking/u
 - 210 cars/1000
 - 820 bikes/1000
- 270 sf open space/u
- 35% less impact
 - 1/2 energy on-site

How? Systems Thinking



Key Metrics

- Site
- Water
- Energy
- Health
- Materials
- Equity
- Beauty



STAR Community Index

10 guiding principles, 81 goals

- Environment
 - Natural Systems; Planning, Design; Energy, Climate
- Economy
 - Prosperity; Employment, Workforce Training
- Society
 - Education, Arts, Community; Health, Safety; Affordability, Equity



Key Actions

- Set Ambitious Goals
 - Social, eco, energy, water
- Take Holistic Corridor Approach
 - Prioritize Walk, Bike, Mixing Uses
 - Focus on Streets, Spaces
- Partner to Build, Maintain Legacy



*cooperation w
public agencies,
non-profits &
private developers*