

Community Energy Planning: Getting a Plan Together

2008 FCM Sustainable Communities
Community Energy Planning
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My Perspective Today....

- **Outside Municipal Gov't**
- **Share Common Observations**
- **Evolution Re: Energy Plans**
 - Mine !!
 - Plans

Needs and Challenges for Community Energy Planning

Need

- Energy is crucial input for cities
- Supply is changing
- No one watching out for community interests

Challenge

- No tradition of local government role
- Not within legislated mandate
- Not public's view of a municipal role

Milestones & Mindsets

Partners for Climate Protection (PCP) Milestones

ICSP

1. Inventory

← Where are we now?

2. Set a Target

← Where do we want to be?

3. Create a Plan

4. Implementation

← How do we get there?

5. Monitor & Report

← Monitoring progress

Getting Started...

Need Champions

- **Council**
Top level commitment
= mandate for action
- **Staff**
Start and maintain momentum
- **Community**
May Drive Council
Can Support Plan Development

Where are we now ?

The Inventory

Inventory

- **Compilation of:**
 - energy consumption
 - waste generation &
 - ...associated GHG emissions

- **Corporate = municipal operations**
- **Community = the whole community**

The Inventory Dilemma

- **Reasonable data**
 - Defines action areas

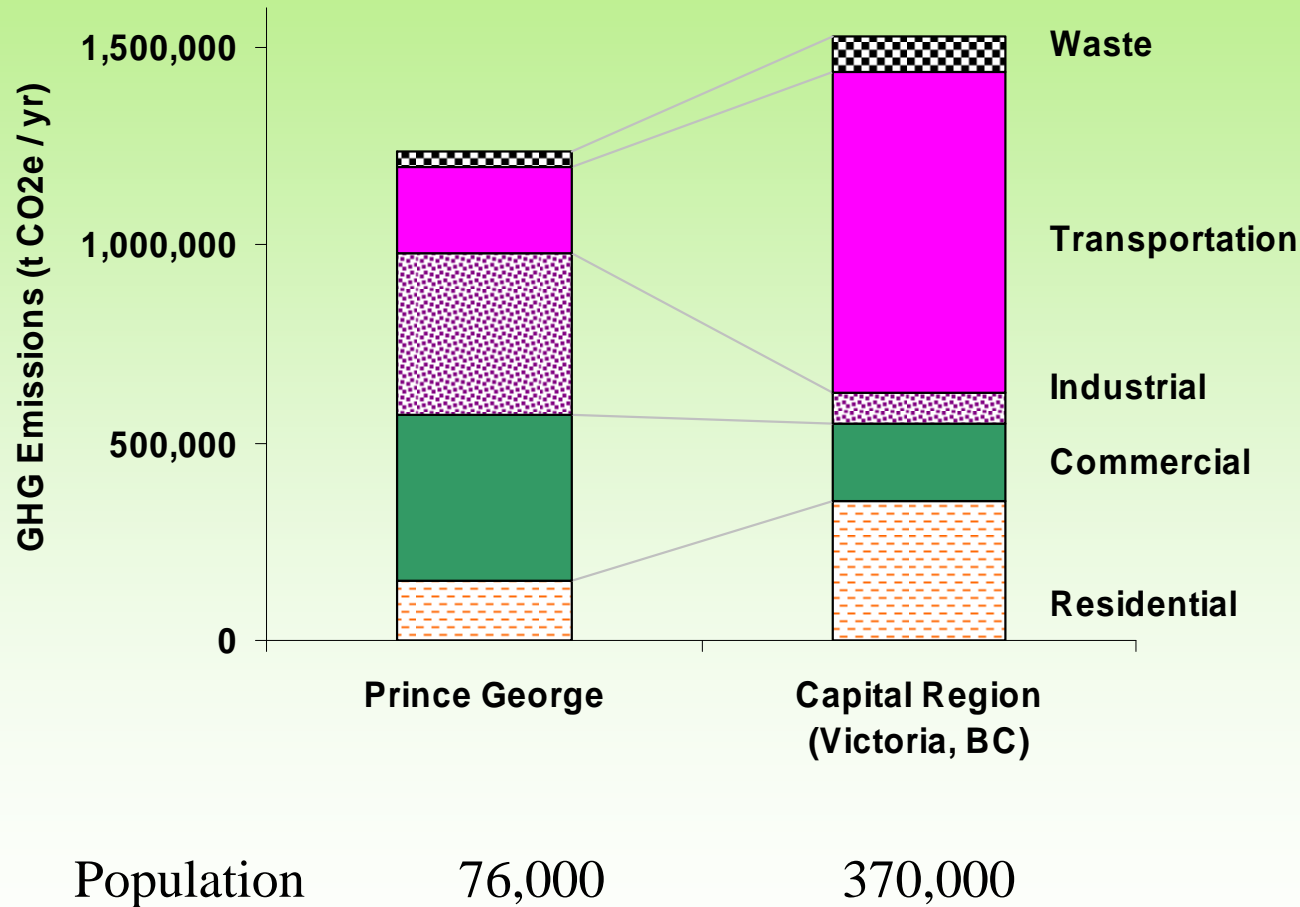
VS.

- **Getting 'Perfect' Data**
 - For e.g. a performance measure

Community's Differ

- **Electricity Source**
- **Which Fuels & Where**
- **Climate**
- **Community Profile**

Communities are Different



Visualization of Energy Flows

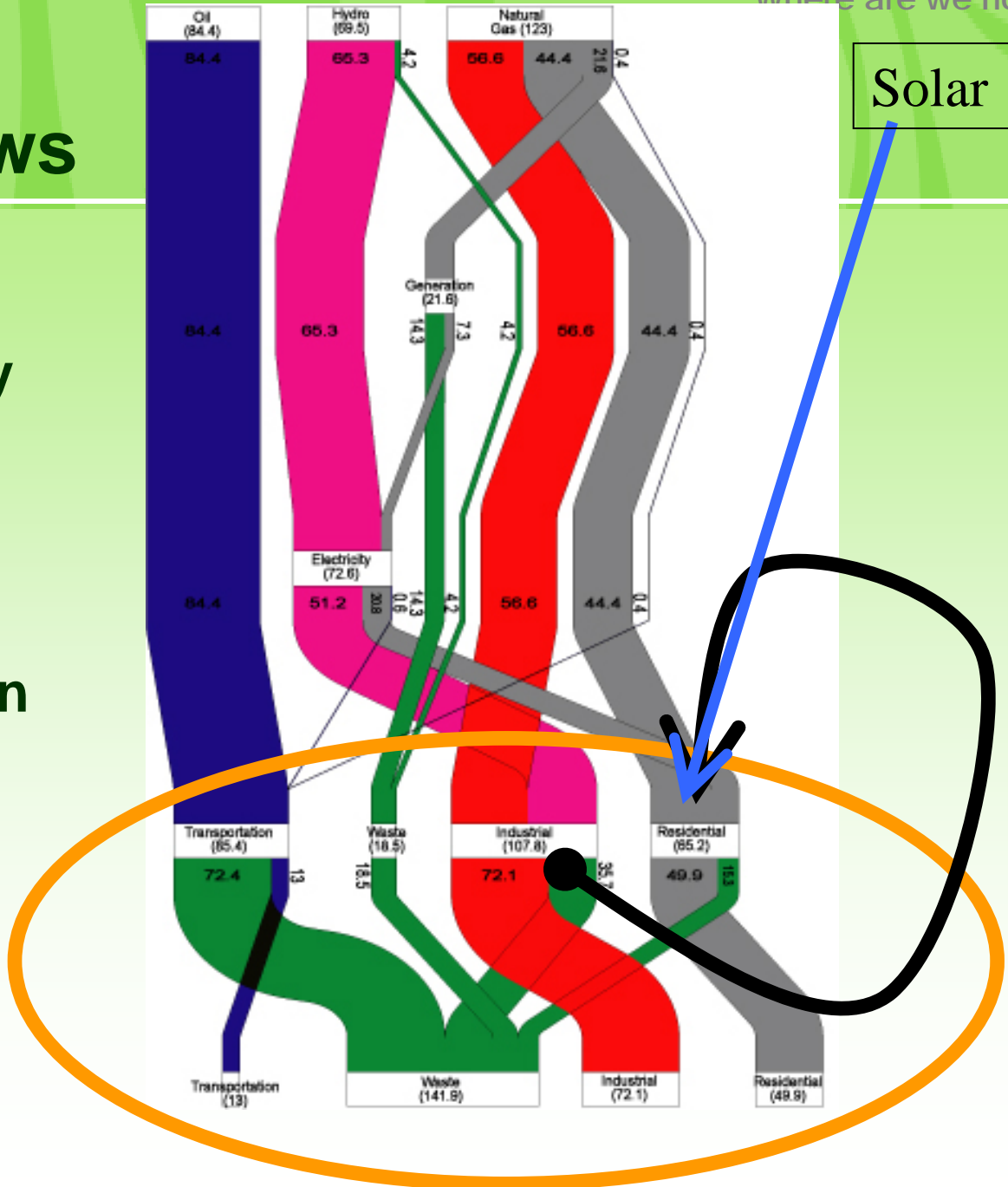
■ Source Energy



■ Transformation



■ End Use



Where do we want to be ?

To Start: Ask Everyone!

- **Steering Committees (Council, Sr. Mgmt)**
- **Working Groups (Staff)**
- **Public: Workshops, Open Houses**
- **Employ Existing Initiatives**
 - E.g. Saskatoon's "Roadmap 2020"

Structure for Order not Constraint

- **Framework to Manage the Plan**
- **Creates Bite-Sized Activities**
- **Players Better Understand Roles**



Structure....



Power of Targets

- **Visionary vs. Pragmatic ?**
- **Motivating**
- **Provide Focus**
- **Endorsed Targets Have Power**

e.g. Pushing the Envelope: Squamish has 4 Visionary Targets

One Tonne Total	Total Total greenhouse gas emissions below one tonne per capita by 2030
Towards Net Positive Energy	Renewable energy generation on-site exceeds the total energy consumption for buildings and transportation by 2015.
Self-reliance & Security for Critical Energy	On-site infrastructure can satisfy critical energy needs.
Adaptable and diverse homes & Businesses	At least 5 distinct energy sources each provide 5% or more of the total energy.

How do we get there ?

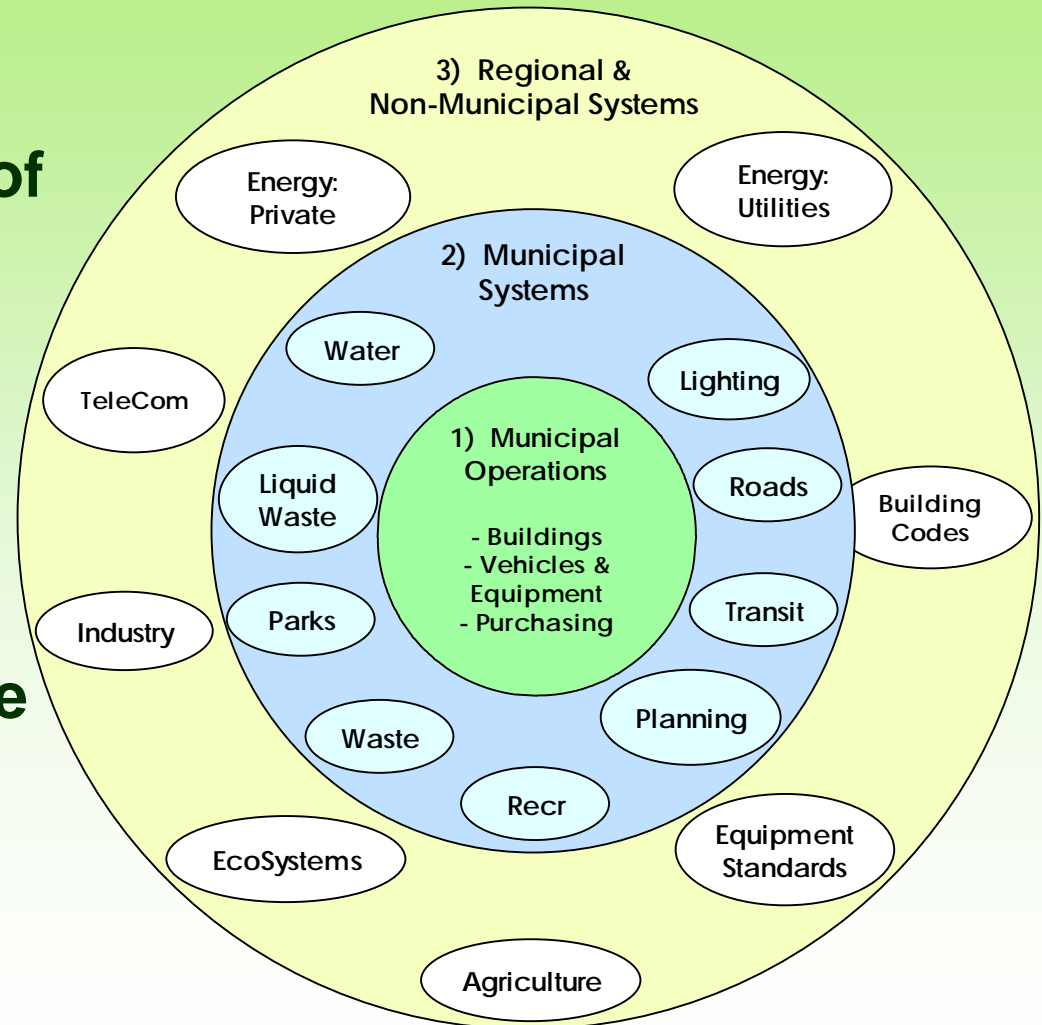
Implementation

- **Commit Resources**
- **Empower staff**
- **Lead by Example**
- **Examples as Community Catalysts**



Spheres of Influence

- Understand areas of influence
- Act independently where you can
- Partner Everywhere Else



Leverage the Invented Wheel

- **Promote Existing initiatives**
 - ecoEnergy, PowerSmart

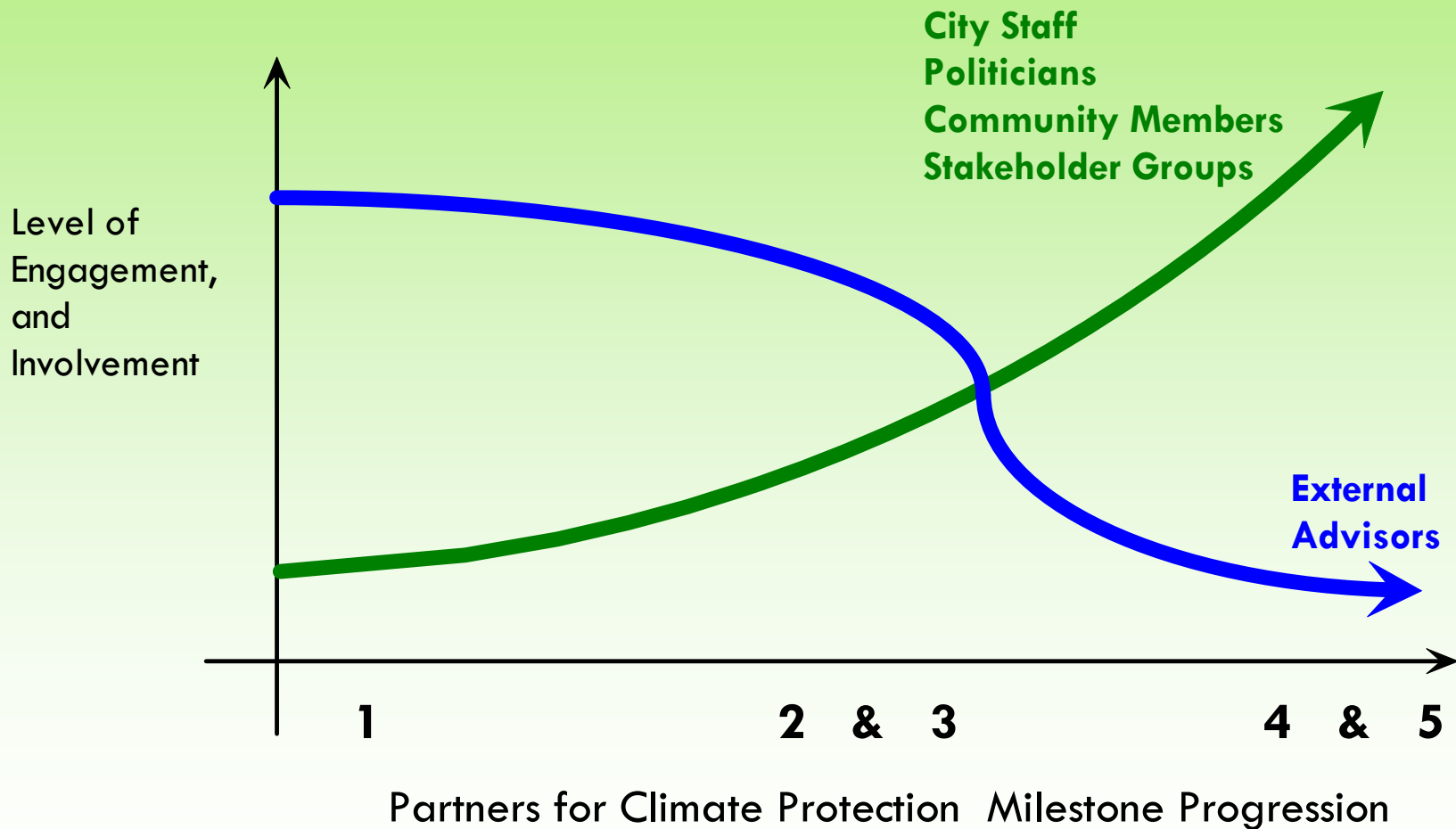
- **Use Established Defined Rating & Performance**
 - LEED, Built Green

Take the Long View

- **Multi-Year Initiative**
- **Prep for Budget Cycles**
- **Keep Momentum Going – Steady Progress**



Desired Outcome: The Ownership Transition



Acknowledgements:

- Thanks to these communities.



