Climate and Community Innovation

City of Davis

Plan – Guiding Principles

Overview

- Why do we need to develop the ability?
- What has Davis done?
- Needs
- What gives us hope?

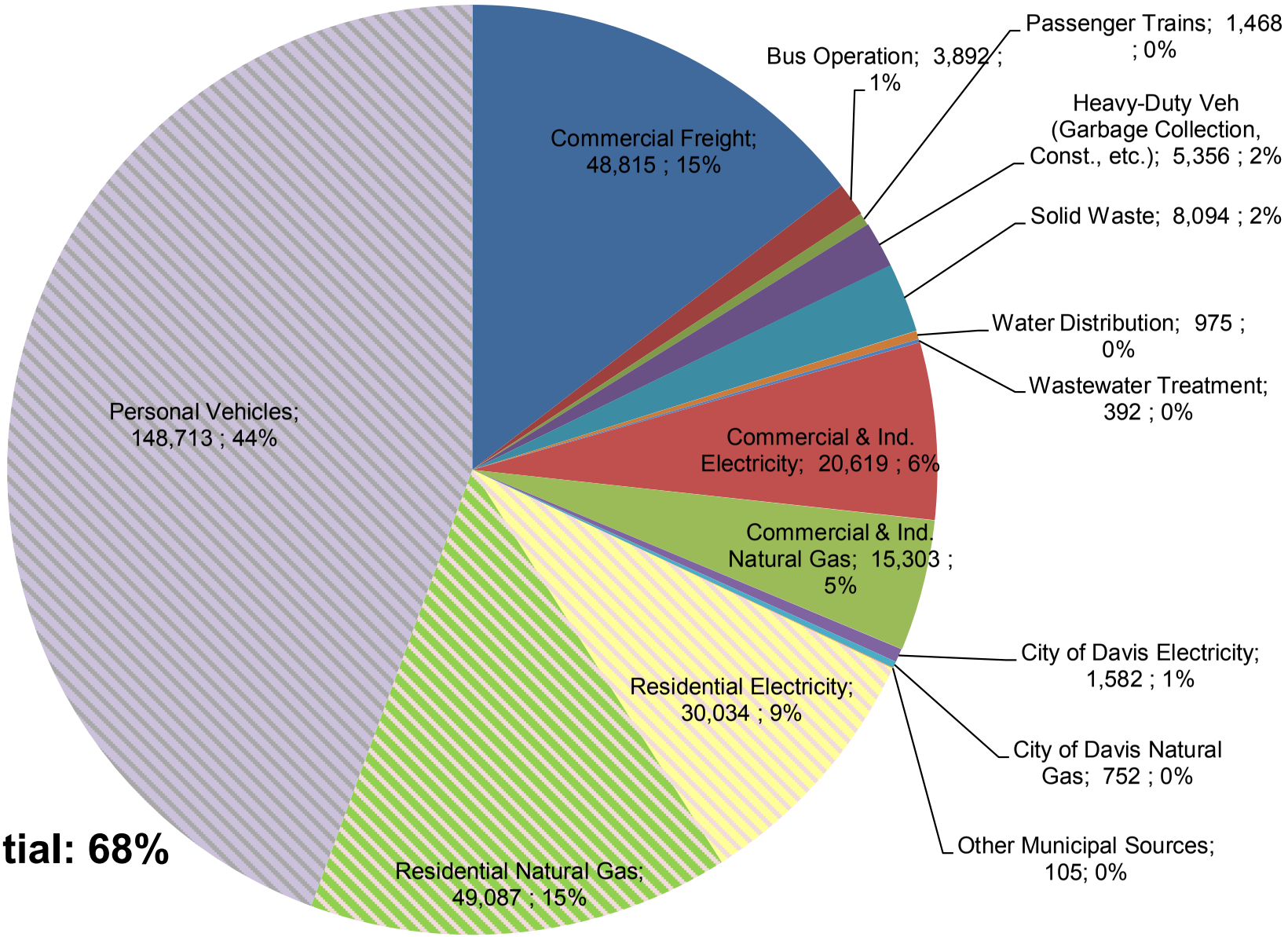
Background

- **Why do we need to develop the ability?**
  - The science and evidence
  - Residential sector produces high % of GHG emissions
  - Organized community gives us the best opportunity to mitigate and adapt successfully
  - May be the most cost effective way forward
  - This is where local government can be most effective

Key steps

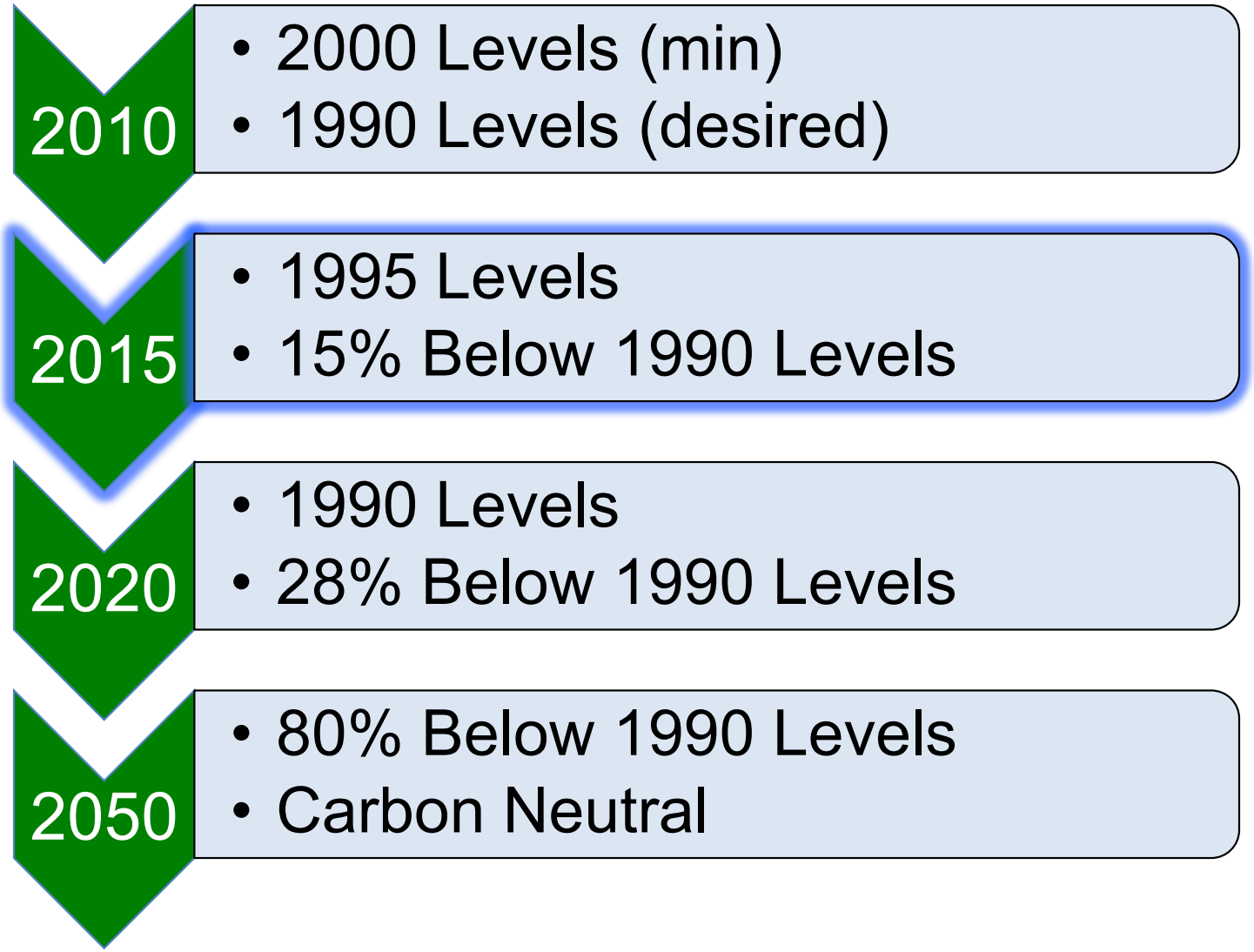
- Understanding the role residential sector plays
- Due Diligence / Preparation (finding a tool(s) that fits)
- Test it
- Learn

Understanding Residential Sector Inventory



Residential: 68%

Understanding Residential Sector Community Goals



Understanding Residential Sector Per capita Goals

2010
- Base Year – 8.1 MT/Person

2015
- 6.5 MT/Person (min) = 20% reduction
- 4.1 MT/Person (desired) = 51% reduction

2020
- 4.8 MT/Person (min) = 41% reduction
- 3.5 MT/Person (desired) = 57% reduction

2050
- 1.0 MT/Person (min) = 88% reduction
- Net 0 MT/Person (desired) = 100% reduction

Due Diligence / Preparation

- **Find a well constructed tool(s)**
  - Needs and abilities of households
  - Structure for peer-to-peer support
  - Small group structure anchored in broad vision with strategy to scale

Test it

- **Pilot Program (Low Carbon Diet, 2009)**
  - 100 households across geographic/socio-economic range
  - Households across the range could reach GHG reduction goals
  - Worked best when households had social connections
  - Did not perform as well in larger group (10 households)
  - Difficult to verify “stickiness” of actions
  - Needed support/resources/training to replicate and scale

Test it - Outcomes

- **Pilot Program (Low Carbon Diet, 2009)**
  - Proof of concept & due diligence
  - Formation of a Community Organization with aligned objectives: Cool Davis
  - Recognition that this could be delivery platform for sustainability programs and many other city programs/services

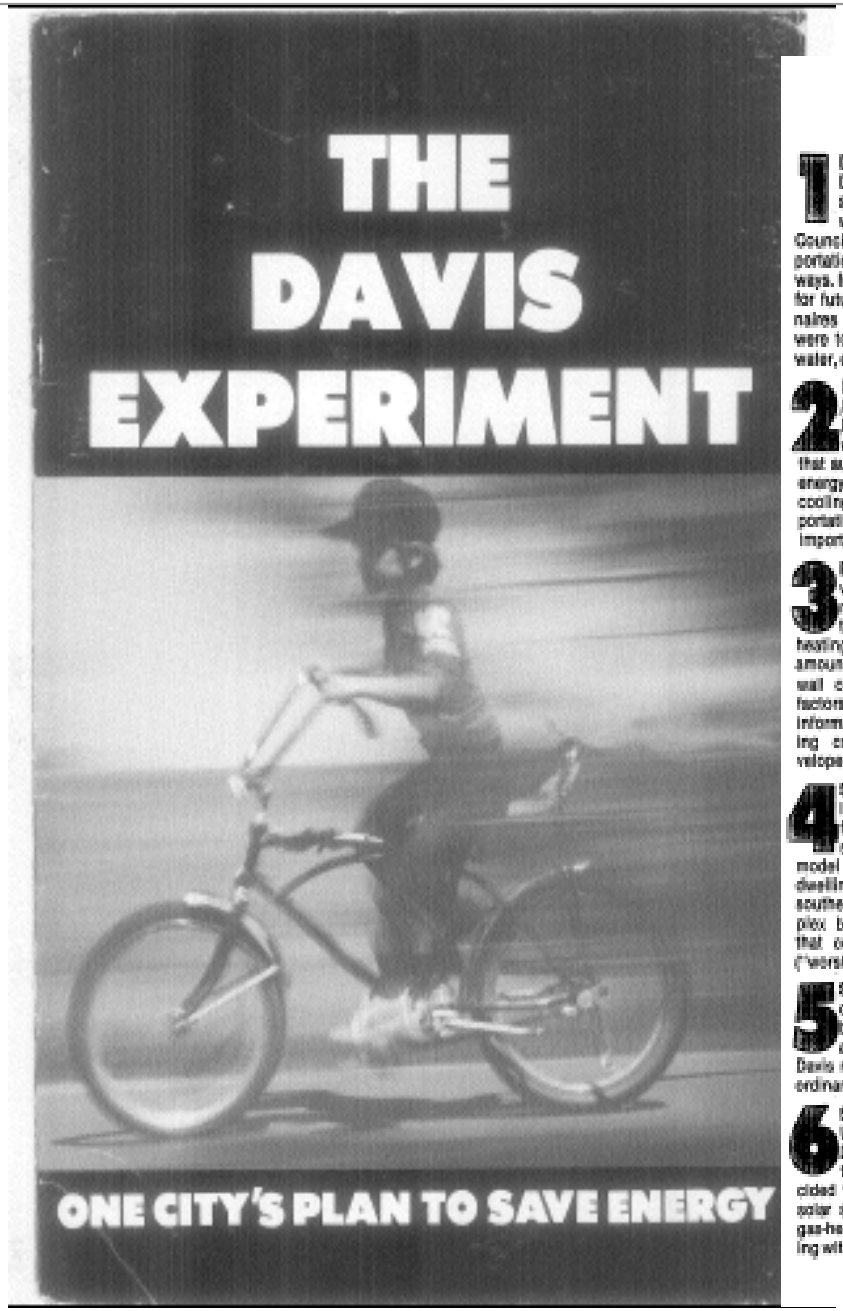
Needs

- Understand Community at deeper level
- Build/support community organization
- Build support from outside organizations and funders to recognize the need and potential

Key Learnings

- Do not underestimate the effort
- Do not underestimate the value (and power) of co-benefits
- Prepare a business case for the actions
- Make it Enjoyable

Community Innovation



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" most importantly, this shows that a small community can have an affect on a global issue"

Davis Experiment 1977