

Draft

City of Warrenville

Climate Action Planning:

Brainstorming Meeting

April 6, 2013, 10 am
at Warrenville Public Library



CAP Process

- Introduction to Cool Cities and Climate Action Planning (1st Public Meeting was on 02/25/12)
- Brainstorming: Strategies for Warrentville (2nd Public Meeting (today – 3/23/13))
- Prioritizing the Selected Strategies (Possible 3rd Public Meeting/EAC submits Draft CAP to City Staff for Review & incorporates their comments/EAC submits CAP to City Council for review/approval)



Goals for Today's Meeting

- Review/comment on overall format of Draft CAP
- Review/comment on the list of strategies
- Assign volunteers to write and/or revise sections including intro/description/tables for each strategy



Lonnie Morris, Chair
River Prairie Group (DuPage County)
Cool Cities
Illinois Sierra Club
<http://illinois.sierraclub.org/rpg>



Overall Outline of Draft CAP

Introduction

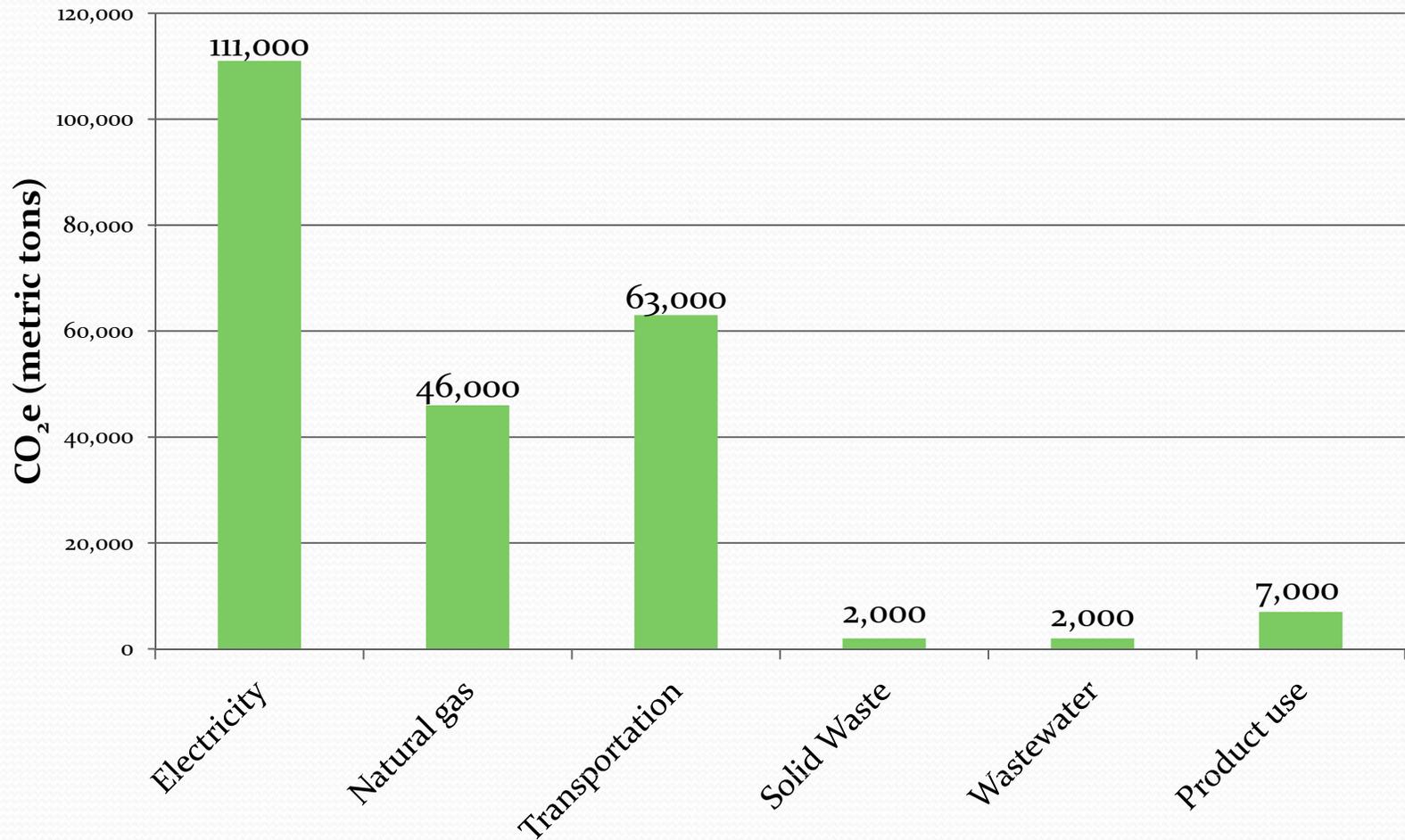
1. Warrenville Energy & Emissions Profile
2. Energy Strategies for Warrenville
3. Additional Strategies to Reduce Emissions
4. Conclusions/Recommendations/Priorities



1. Warrenville Energy & Emissions Profile

- Warrenville's Energy Use & Associated Emissions
- General Factors that Affect Energy Consumption & Emissions

Summary of 2007 Warrenville Energy & Emissions Profile





Format for Each Strategy Section

- Introduction/description
- Table in each section listing the following items for each individual strategy described in that section: emissions reductions, cost, status, partners for implementation



Sources of Information

- CAPPAs – Climate and Air Pollution Planning Assistant: this spreadsheet has text and calculations that we can use in the Warrenville CAP
- CAPs prepared by other cities
- Info from City of Warrenville, schools, businesses, etc



2. Energy Strategies for Warrenville

A. Residential Sector:

- Energy Audits/Assessments
- CUB Energy Saver Program
- Municipal Aggregation Program/RECs
- Ways that Households Can Easily Reduce Electricity Usage at Low or No Cost



2. Energy Strategies for Warrentville

B. Commercial Sector:

- Energy Audits for Commercial Buildings
- Commercial Lights Out at Night
- Green Building Retrofitting
- Light Colored Roofs & Paving Materials
- Off-peak Thermal Storage
- Commercial Building Energy Reporting



2. Energy Strategies for Warrenville

C. Government Sector:

- City of Warrenville
- Warrenville Park District
- Warrenville Library District
- Warrenville Fire Department
- Warrenville Police Department
- Community Unit School District 200



2. Energy Strategies for Warrenville

D. Other Organizations (Non-profits, etc):

- Energy Star Congregations



2. Energy Strategies for Warrenville

E. Transportation:

- Reduce Vehicle Miles/Increase Walking & Biking
- Reduce Energy Use by City Fleet Vehicles
- Reduce Vehicle Idling

3. Additional Energy Strategies for Warrenville

- A. Waste Management & Water Conservation
- B. Warrenville's Urban Forest
- C. Natural Landscaping
- D. Natural Areas in & around Warrenville

4. Conclusions/Priorities: Draft! This is an example!

Strategies	Potential GHG Reduction (MTCO2E)	Initial cost (per square foot)	Potential Yearly Savings (per unit)
Retrofits to Existing Houses Electricity and natural gas consumption reduced by 7% each in 75% of houses	8595	\$1.5	\$200
Small Business Energy Efficiency 450 businesses (saving 11,500 kWh & 367 therms/yr) x 10.51 MT/business	4731	\$1000	\$800
Hybrid vehicles: 500 (community) and 15 (public)	1700	\$2500	\$1000
Biking 100 trips per week replacing car (10 miles each)	25	\$0-500 (per bike)	\$10000 (total)
Light Vehicle Idling: 5000 cars avoid idling 5 min/day	461	\$0	\$127,677 (total)
Compost Kitchen Waste: 300 lb/person/yr x 14,000 people	51	\$0	\$0
Compost Yard Waste 300 lb/person/yr x 14,000 people	90	\$0	\$0
Trees to Shade Buildings: 500 trees planted	75	\$200 (per tree)	\$4957 (total)
Mature Tree CO₂ absorption: 500 trees	128	\$0 (additional cost)	\$0
Low Maintenance Landscaping 10 acres (public) / 500 residences	28 (public) 229 (residences)		6,520,000 gal. 81,500,000 gal.
Gas Lawnmower replacement: 500 residences	9500	\$60	

Presented by Warrenville Environmental Advisory Commission



Future Actions

- Third Public Meeting – Prioritization
- Work Groups will prepare individual sections of Draft Climate Action Plan
- EAC will prepare Draft Climate Action Plan by pulling together all individual task force sections
- City Staff will review Draft Climate Action Plan
- EAC will prepare Final Climate Action Plan and present it to City Council



TJ Jarman of IBEW is the senior instructor for all of the training classes they hold on energy efficiency and wind generation devices.

“Training for a Greener Tomorrow”