

# sustainable city initiative

will odom

dave roedl

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spring 2007

sustainability means:

the capacity to meet human needs equitably and  
indefinitely

# sustainability means:

the capacity to meet human needs equitably and indefinitely

- for all of the foreseeable future
  - ecological stability



an uncertain future

- global warming
- peak oil
- depleted soils, water
- species loss





# sustainability means:

the capacity to meet human needs equitably and indefinitely

- in a socially just manner

# sustainability means:

the capacity to meet human needs equitably and indefinitely

- what are human needs?
- subsistence
- protection
- participation
- identity
- freedom
- etc...

sustainability means:

more than just survival.

it is also question of values and ultimate meanings in life.

# whose responsibility?

- individual behavior change
- effective government policy
- community discussion and action



challenges

paradox of economic growth

disconnect between groups

individual horizons

hyper individualism

obstinance

social dilemma





paradox of economic growth  
disconnect between groups  
individual horizons  
hyper individualism  
obstinance  
social dilemma



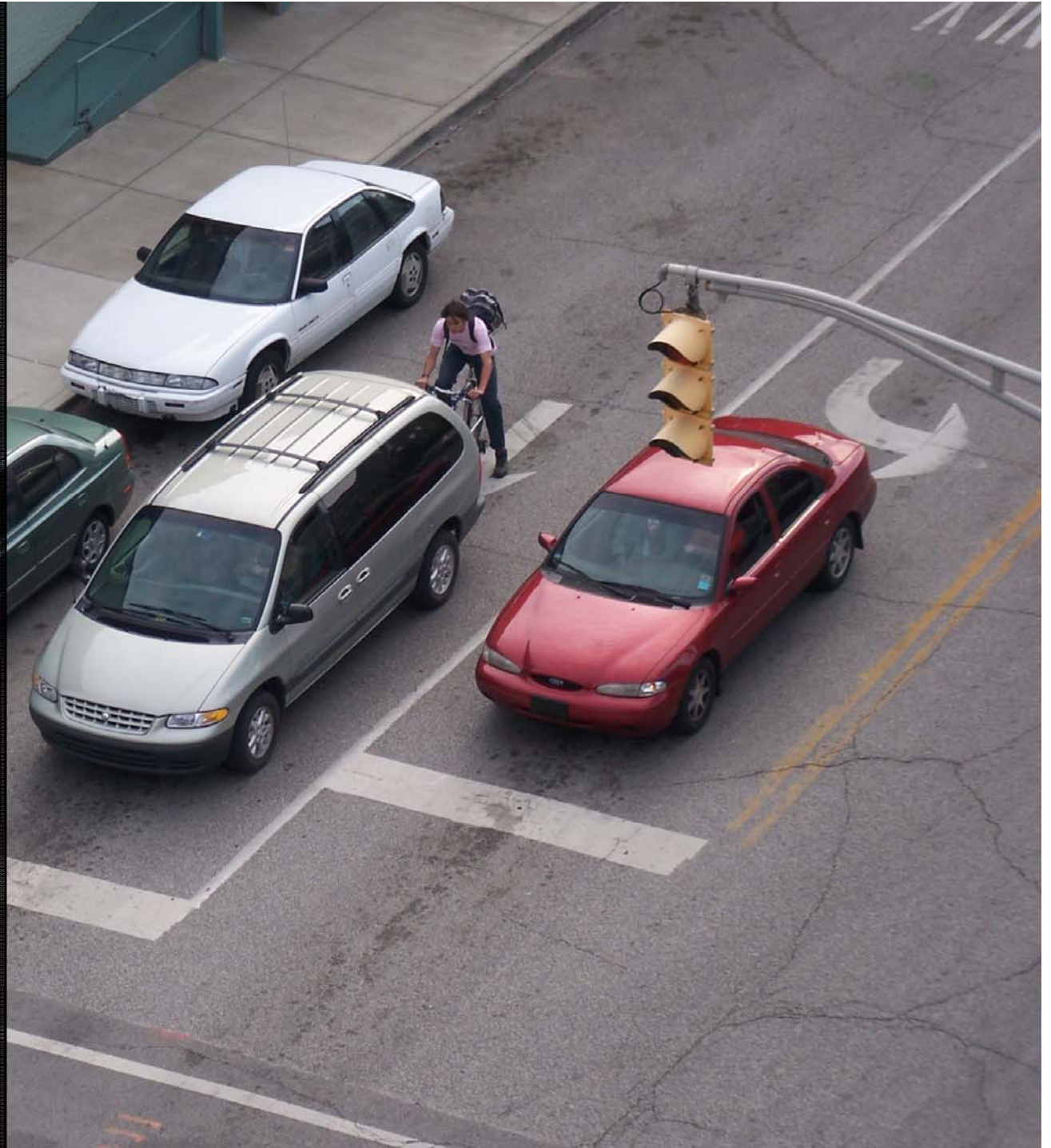


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social dilemma



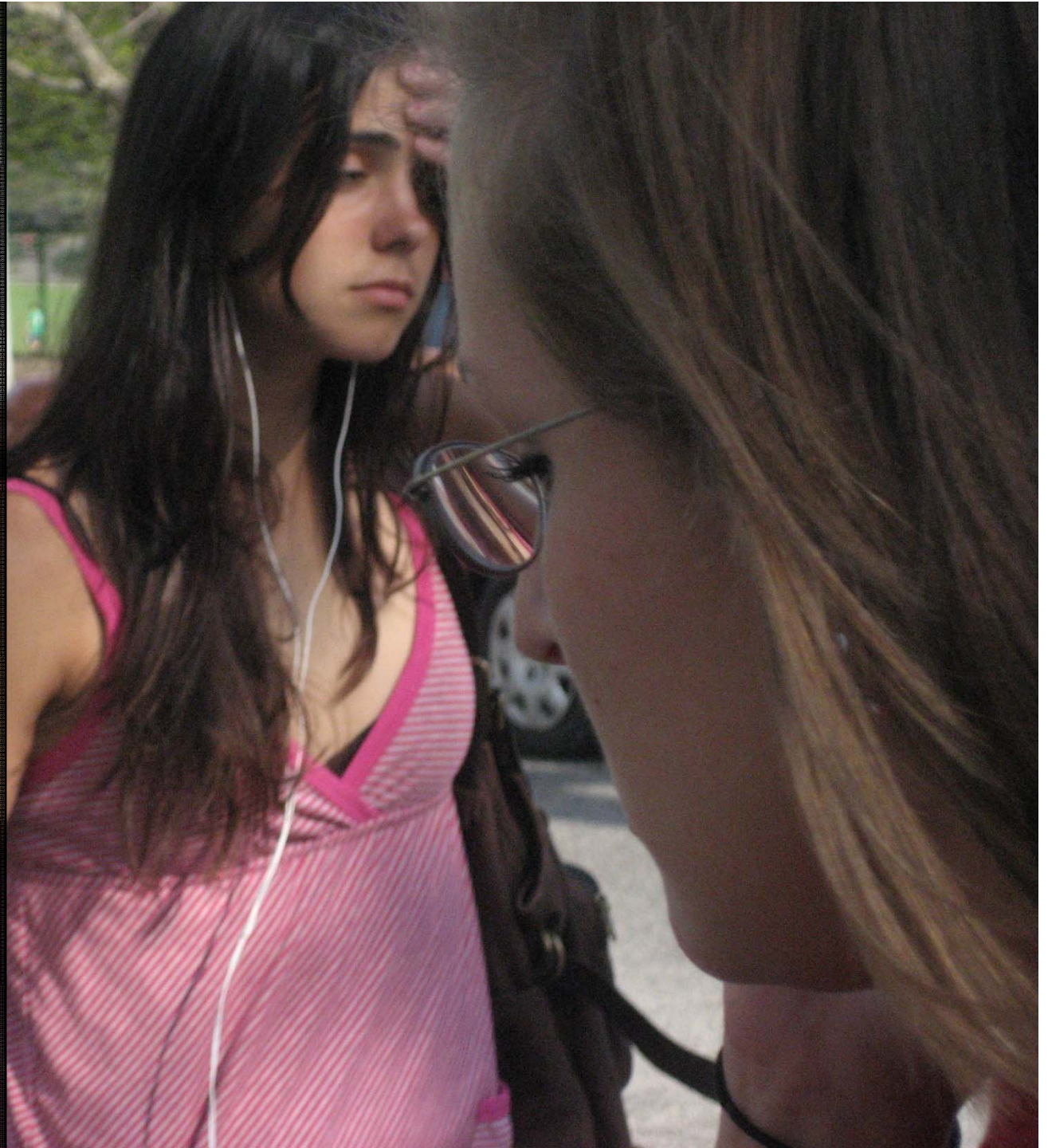


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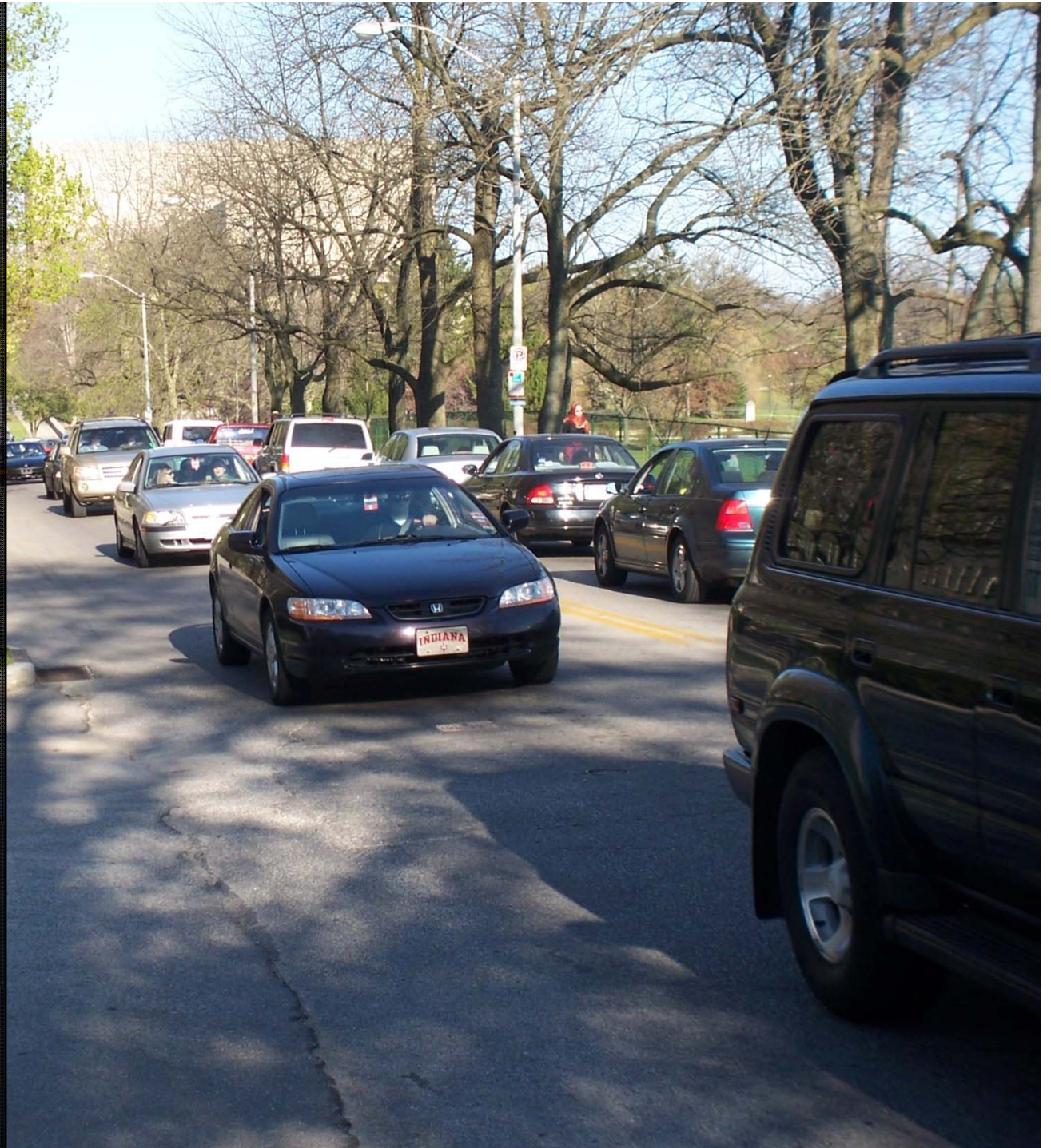
obstinance

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paradox of economic growth

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**obstinance** and social dilemma

social dilemma





paradox of economic growth

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# sustainable Bloomington project

- city of Bloomington mayor's office's director of economic development
- Bloomington commission on sustainability



## step-it-up

national day of climate  
action

reduce individual and  
collective carbon footprint  
80% by 2050.

city, state, and county  
representatives on hand as  
well as many prominent  
community members





## change-a-light

widespread adoption  
of CFLs over incandescent light  
bulbs

goal to produce 10%  
reduction in energy use

effort to maintain  
compliance with Kyoto  
protocol



# designing a durable future

individual | government | community

# mindful consumption

individual resource consumption is a major problem for sustainability

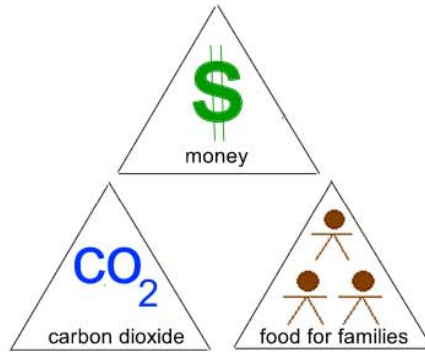
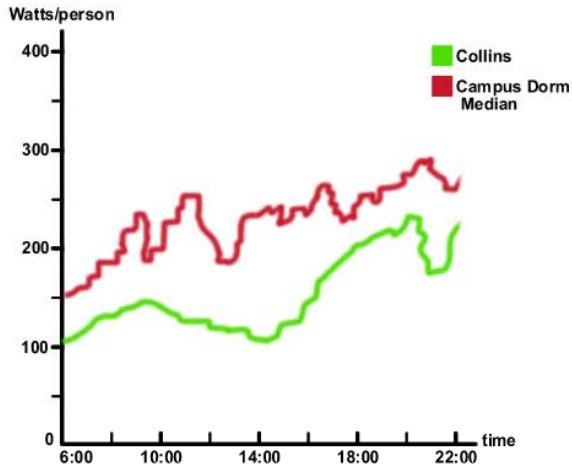
# mindful consumption

individual awareness of cumulative consumption over time  
is a key consideration

design principles:

- tailoring
- self monitoring
- suggestion



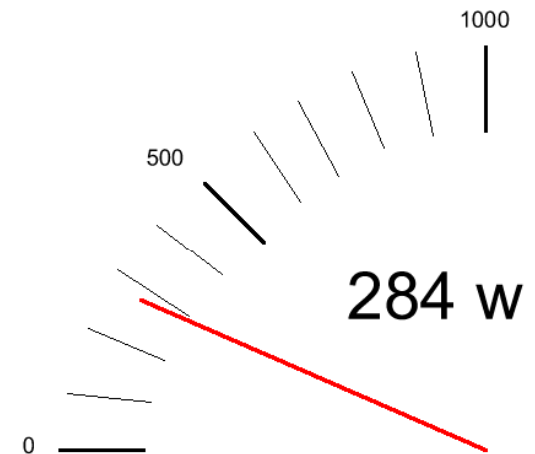
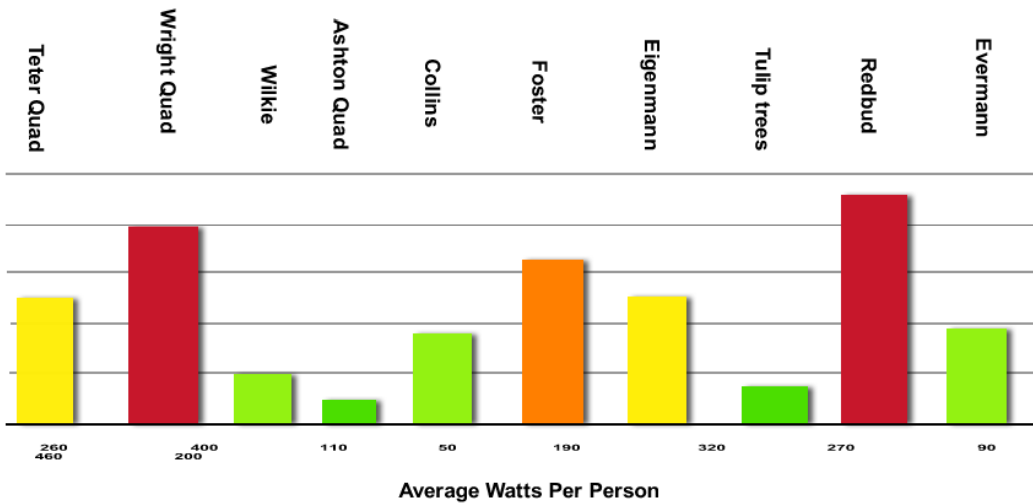


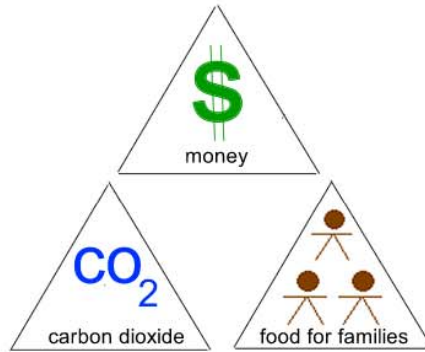
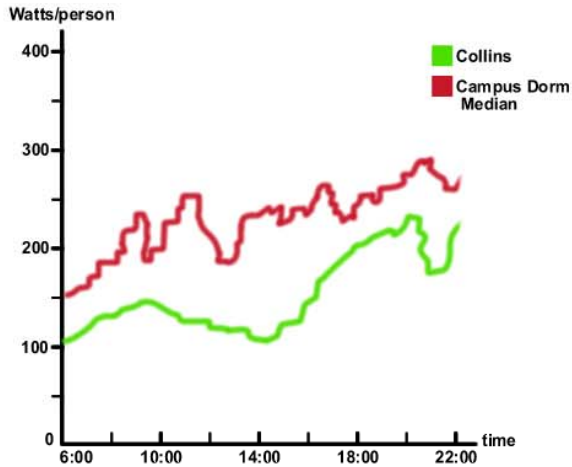
200.95 Kilo Watts consumed today



04/13/07 10:03PM

Collins



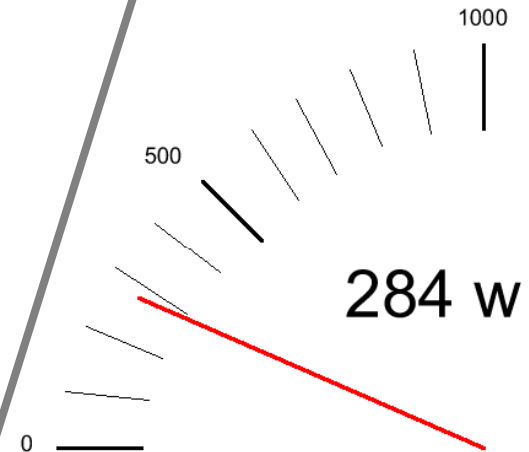
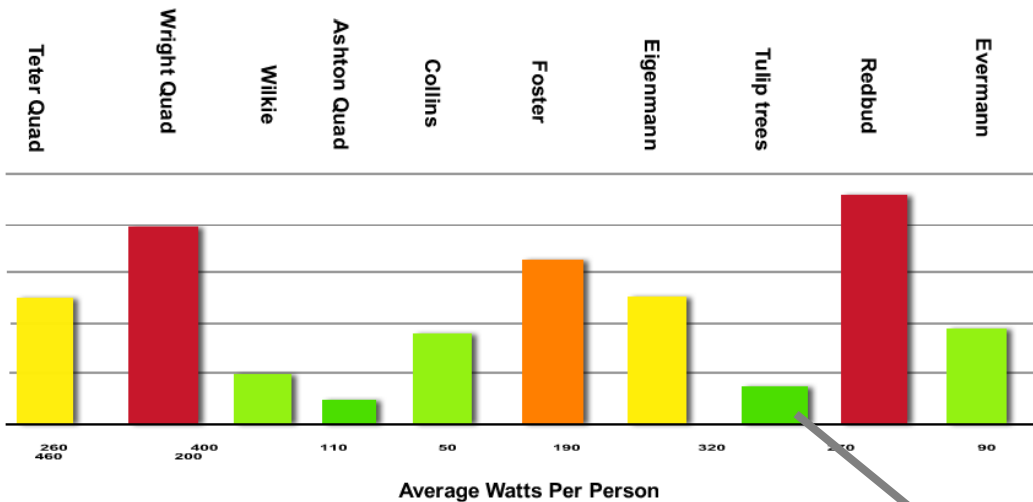


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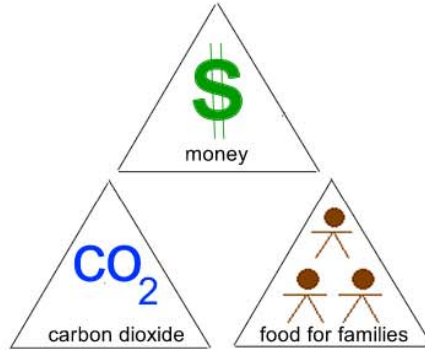
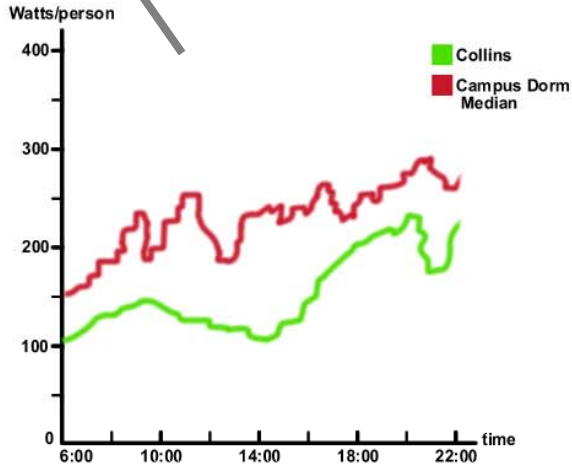
Collins



tailoring



# self monitoring

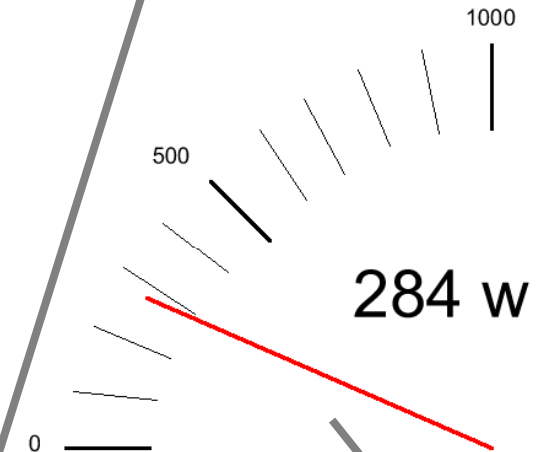
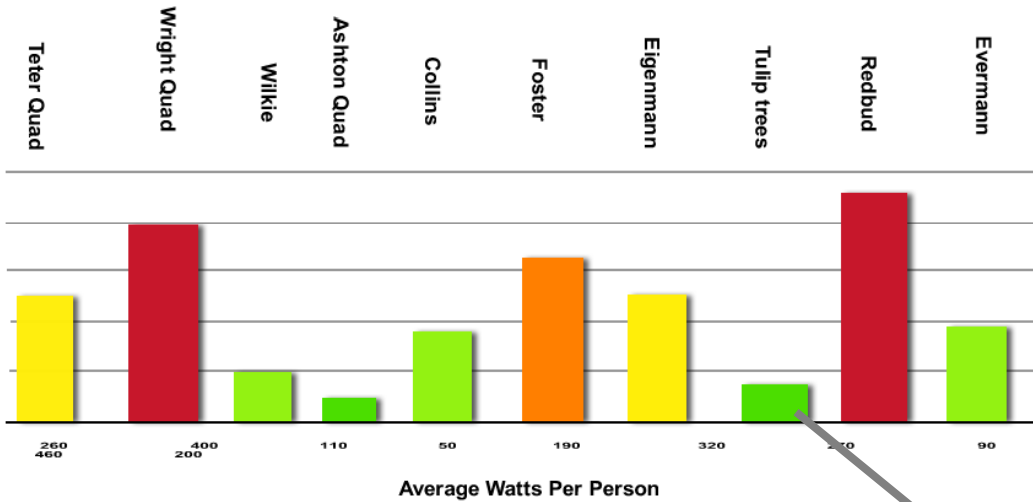


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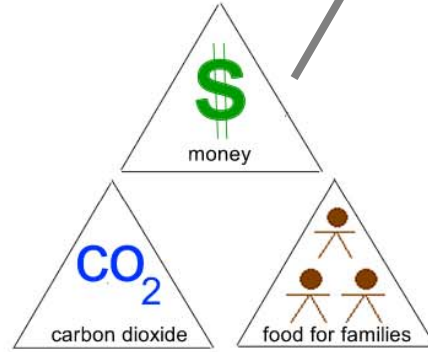
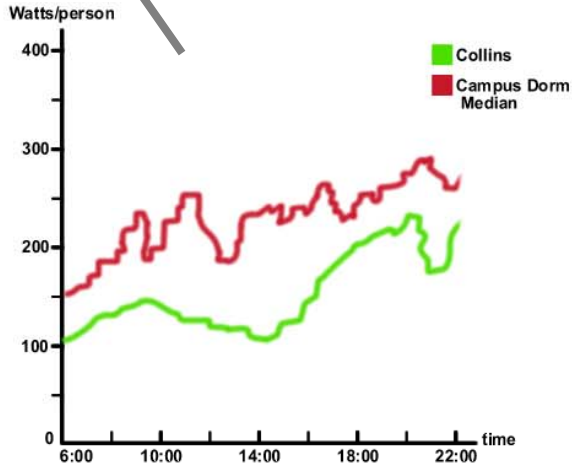


tailoring

self monitoring

self monitoring

suggestion

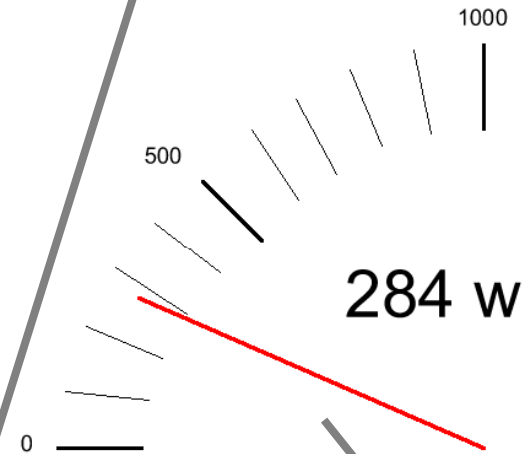
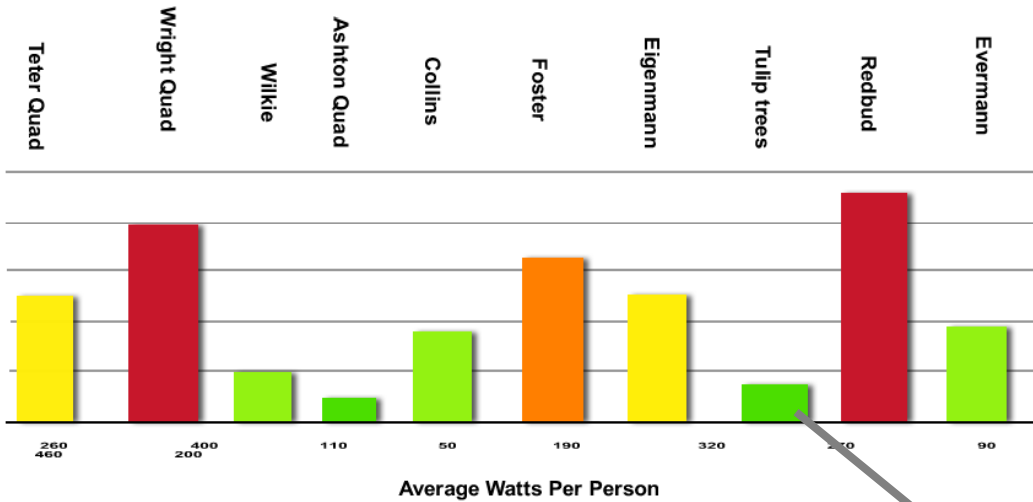


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tailoring

self monitoring

government



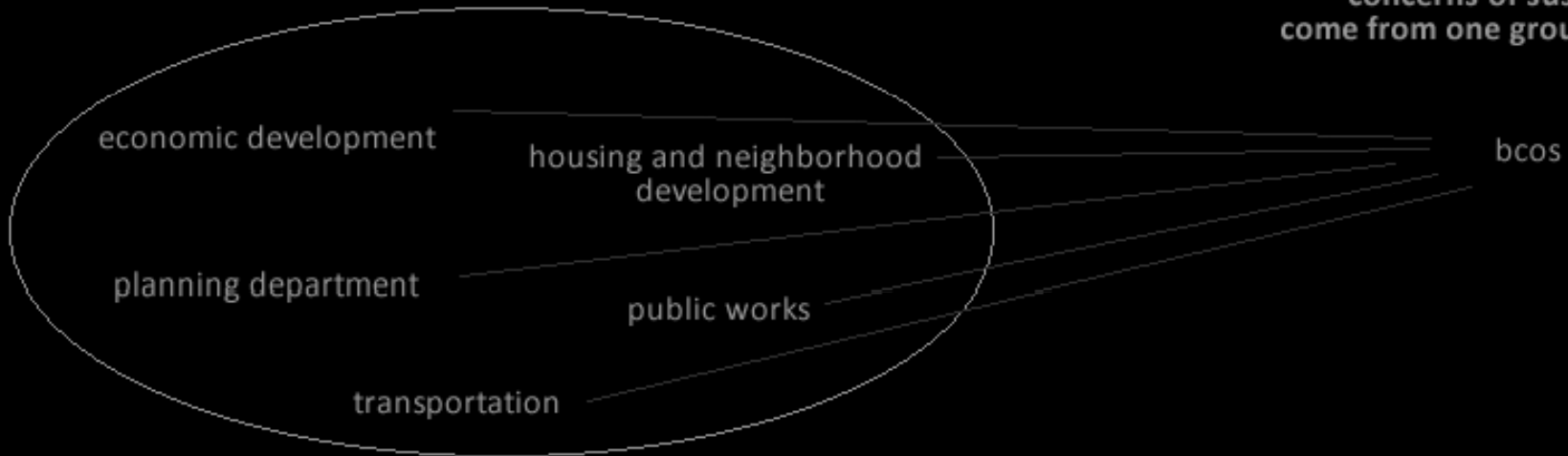
government leadership



# dedicating resources

city departments are shaping bloomington

concerns of sustainability  
come from one group of volunteers



# dedicating resources

CITY OF PORTLAND, OREGON  
**OFFICE OF SUSTAINABLE DEVELOPMENT**  
 A BETTER FUTURE. A BETTER NOW

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What's Happening?

**2007 BEST Awards Call for Applications**

**Winter Weather & Your Garbage/Recycling**

**Fix It Fairs - January 2007**  
 All your money saving home tips in one event

**Solid Waste Management Plan**

**Peak Oil Task Force** draft report now available for comment

**BlueWorks: Business Recycling**

**Portland Composts-Commercial Composting**

**Who does it?** Sustainability resources from other City Bureaus

**A message from Commissioner Dan Saltzman**

Dear Friends: I established the Office of Sustainable

**What's new**

- PSU Study Aims to Support Use of Eco-roofs - News
- Hasson Recognized for Commitment to Green Real Estate - News
- Life as we know it gets blame for global warming - News
- RETHINK 2007 Class Schedule is Now Available - Green Building
- CONTECH offers Water Quality Grant - News
- Portland 8NW8th Building Honored for Affordable Housing Model
- OSD staff reach out to the community about sustainability - N
- President Bush Issues New Directives on Federal Government E
- Free "Fix-it Fairs" foster fun, fund-saving feelings - News
- 2007 Natural Talent Design Competition - Green Building News

**Residents**  
 Sustainability information for Portland residents

- Partners in Sustainability

**Multifamily Owners/Managers**  
 Sustainability information for multifamily property owners and managers

**Business**  
 Sustainability inform businesses

- Business Spotlight
- Other Green Busi

**Programs**  
 Office of Sustainable Background and Pro

Portland, OR

**Sustainability**  
 CITY OF VANCOUVER One Day EcoDensity Green Buildings

City of Vancouver Search Help

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Photos: Sara Blenkinsop and @Stockphoto.com

**FAQS** Get answers to your climate protection questions, or send us a new one...

**COMMUNITY LEADERS:** people who are making a difference

**DOING YOUR PART**

**oneday...**  
 onedayvancouver.ca

By making small changes in our homes and on the road, we can do our part to protect the climate.

**Watch** GVTV videos on EcoDensity, fuel cells & more.

**WHAT'S YOUR IMPACT?**  
 Calculate your ecological footprint

**BUILDING A BETTER CITY:** every aspect of how we build our city is changing. Find out how.

**RUNNING A SUSTAINABLE CITY**

Our City recognizes the importance of leadership. It needs to "walk-the-talk" in its own operations if it expects its citizens to change. [Learn More.](#)

WHAT WE ARE DOING. WHAT CAN YOU DO?

**ENERGY SAVING RETROFITS:** City owned facilities are getting an upgrade to improve energy efficiency. By using less energy we also save money. [Learn more.](#)

**NEU UPDATE:** The City has chosen the sewer heat recovery option for the Olympic Village and Southeast False Creek heat source. [Learn more.](#)

**BUYING SMART:** Our buying is smart buying. And smart buying is ethical and sustainable buying. [Read more about our policy.](#)

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 External sites will open in a new browser window and are not endorsed by the City of Vancouver, Sustainability Group.

Vancouver, CA



# dedicating resources

- short term:
  - one full-time employee in the mayor's office
- long term:
  - convert economic development office into the office of sustainable development
  - establish official connections to other departments

# actionable initiatives

- subsidies, incentives, grants specifically for green business
- design contests to distribute small grants for sustainable improvements
- green building ordinances

community

community interest, understanding and  
involvement

involvement from both sides

actionable initiatives

encouraging and

supporting community

members





community interest, understanding and  
involvement

involvement from both sides

localization



thought

encourage people to  
think

bring people together  
to speak and listen

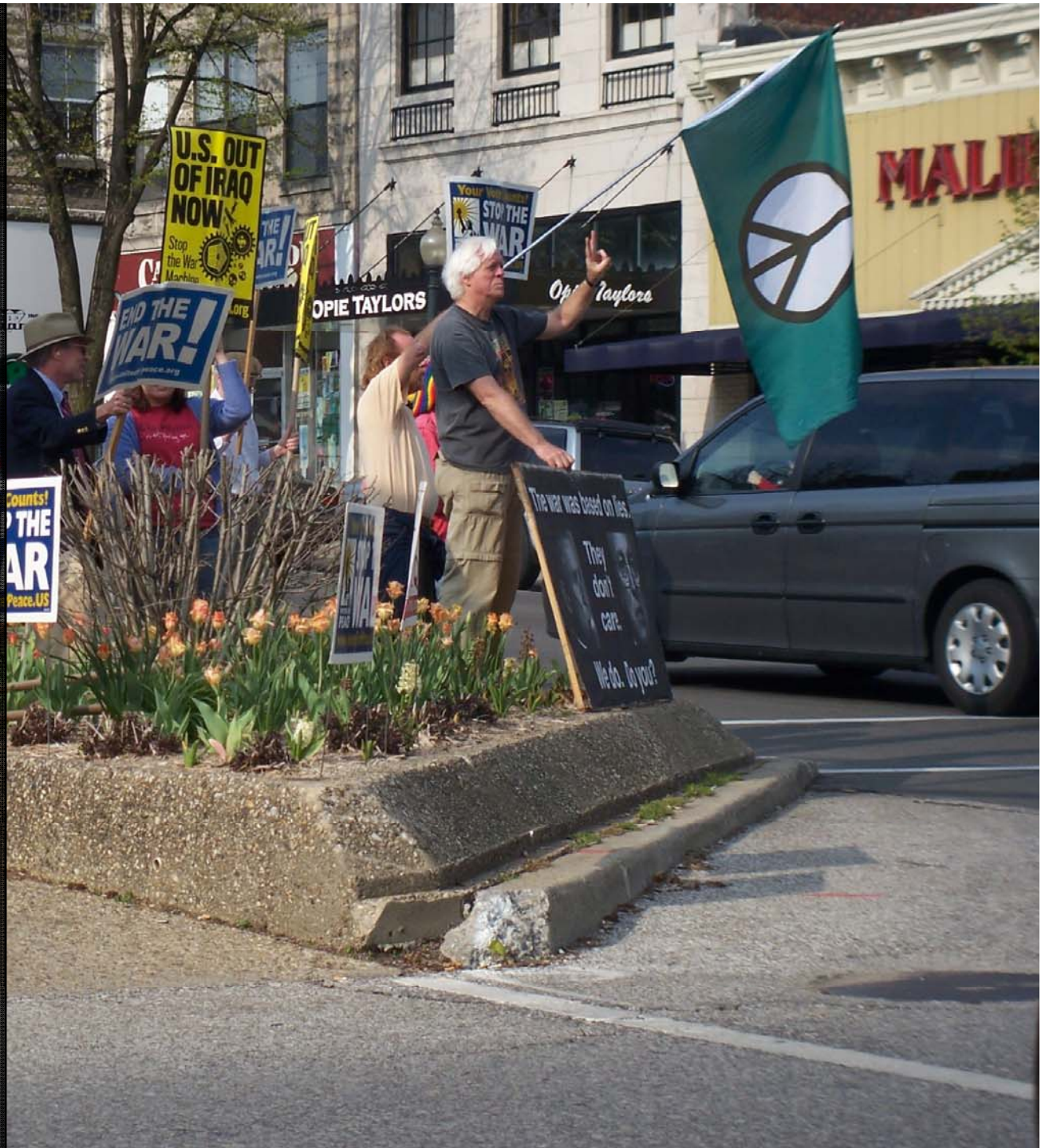




action

go beyond words

make a change





reflection

provide space for  
community members to  
reflect on their actions





city repair – Portland, Oregon

neighborhood communication and collaboration

GATHERING PLACES: LESSONS LEARNED

# Case Study #2

City Repair  
in downtown Detroit  
Jenny Lars

## Transforming Space in Place

Our world is full of resources

### Creating a Village

Neighbors adding their own to the puzzle  
Using natural materials

Neighbors design build

Neighbors painting their streets asking for resources not permission

Non profit organization of dozens of volunteers

CONNECTING RESOURCES

WE ARE THE GLUE THAT BRINGS EVERYTHING TOGETHER

Localization  
All things local

Knowledge local resources power

Communities like like

THINGS THAT COLLECT PEOPLE

Small boxes, corners and triangles shared by all

URGENT CITY LIFE

City Built

Allowing things that are new and creative

Playful Village

Notes  
PLACES

Direct Participation

True Democracy

Creating Community Gathering Places

## Group Discussion:

Revist the model

Questions to presenters

- acts do follow/impact is a result of what is the mix of social architecture that is made
- The idea of leadership integrated + demand
- Important to add lighting to model
- Model similar to describe regional, community differences

### The Model:

THE CHANGES BEING MADE PERSISTENCE IS WHAT COUNTS BE WILLING TO TAKE CHANGES

RESOURCES MUST BECOME A PART OF THE MODEL

Collaboration with existing groups part of model

Community spaces as a part of urban planning

How do we integrate values of (diversity/culture) and developers to create multi functional spaces?

Look to value related actors within the model

What did you think? how did you feel about painting your walking in this place

What are the services? - structure of housing project

How can we deal with the model for by our politicians? - historical community spaces - walkways

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Blue: what we mean that one

That important is a part of the plan making change

Make an development space to other markets

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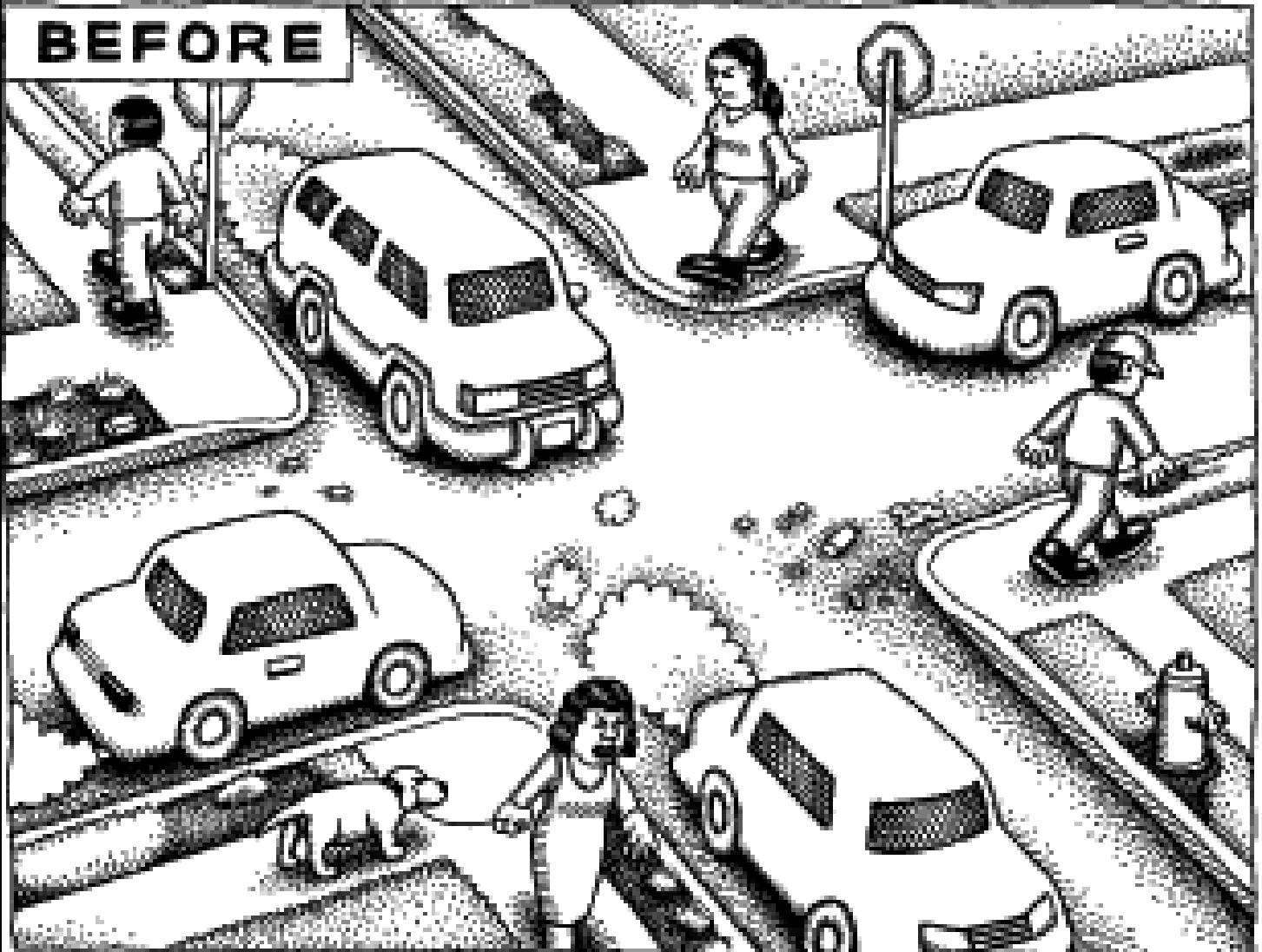
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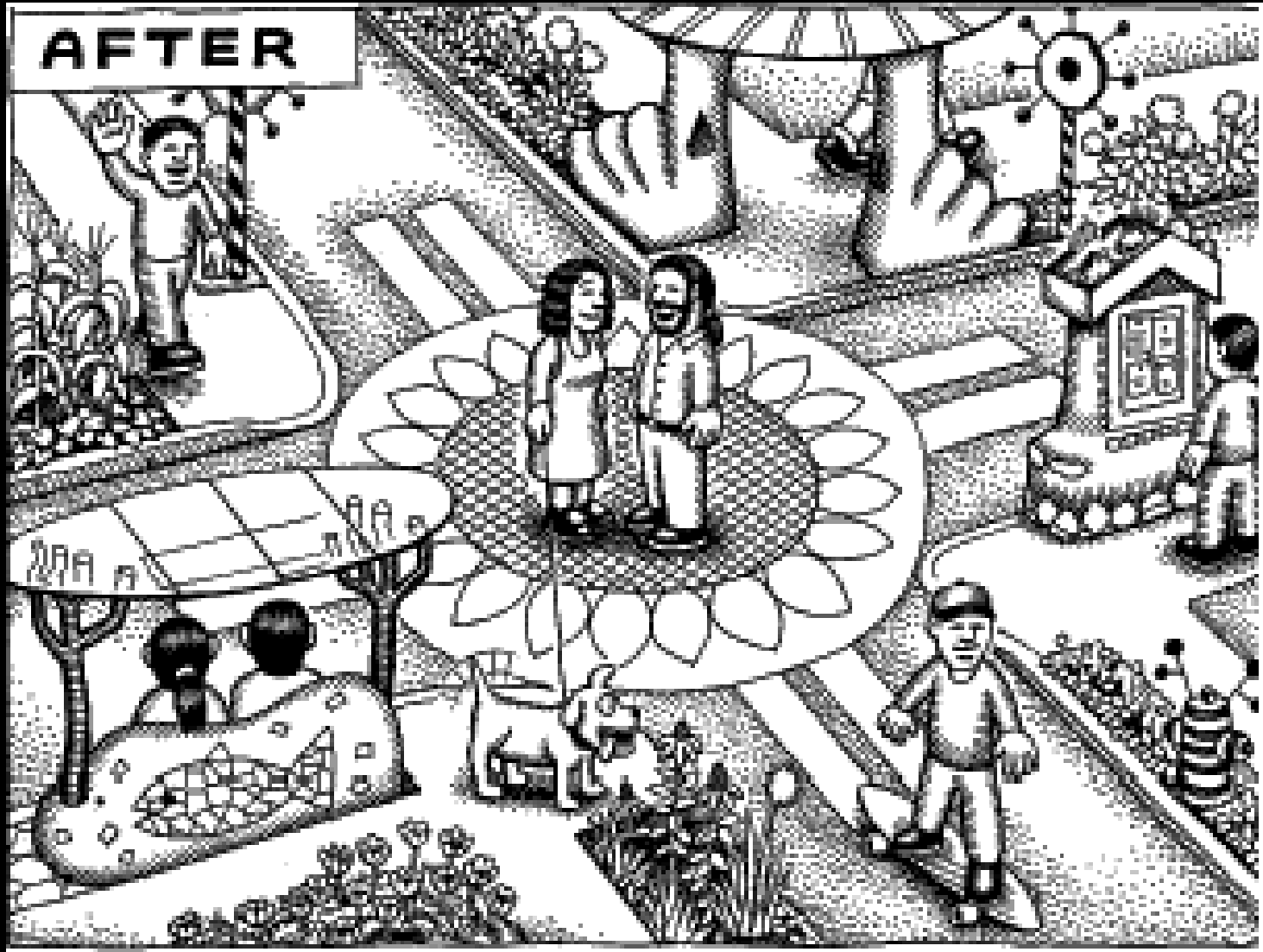
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**BEFORE**



**AFTER**





community building concepts

# collective knowledge

an online space dedicated to Bloomington's sustainability

- disseminate news and events information
- facilitate discussion

[www.sustainablebloomington.com](http://www.sustainablebloomington.com)



# local connections

an interactive [community map](#) which recognizes forward-thinking individuals engaging in sustainable practice.

- raise awareness
- promote community interaction
- provide connections to social resources

## open discourse

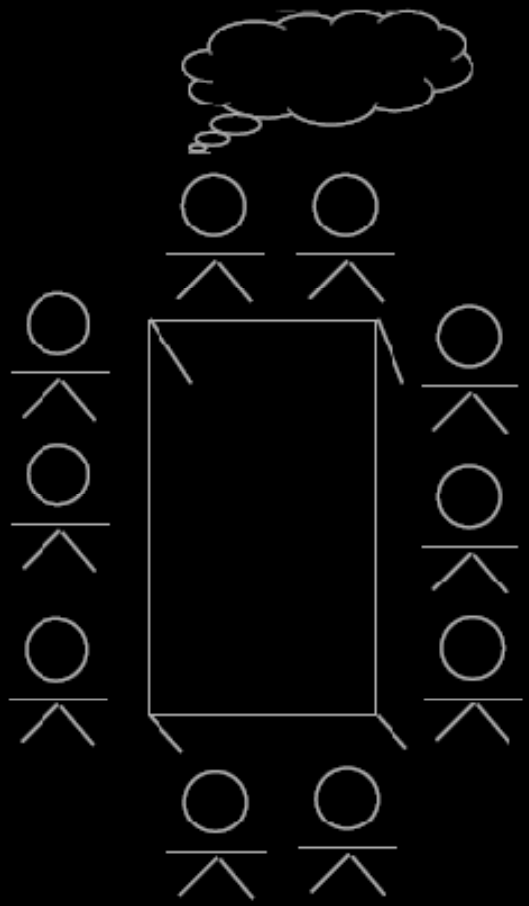
communication and interaction among community members is fundamental to creating a sustainable Bloomington.



# open discourse

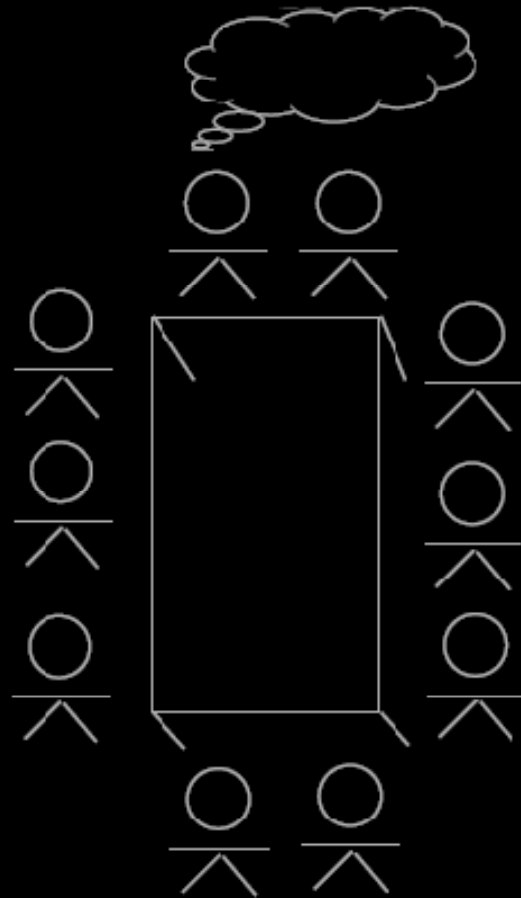
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# Unconference



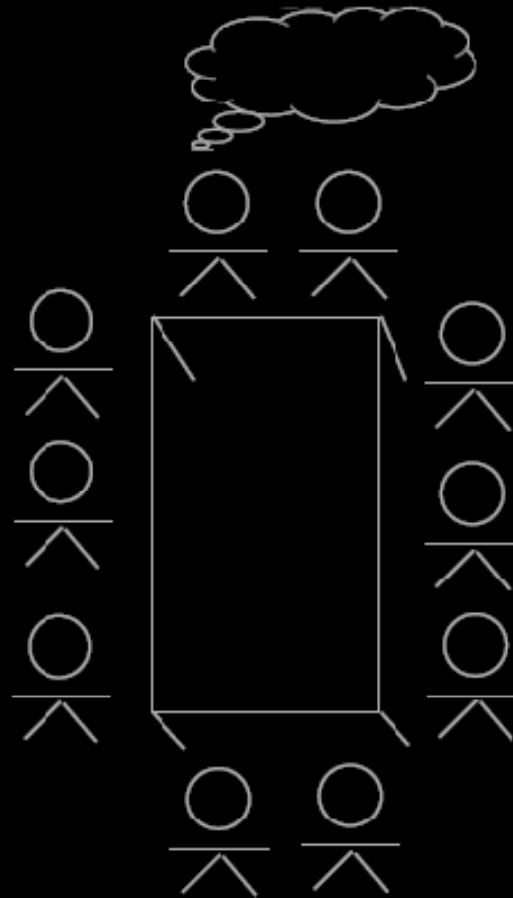
## Disconnect between groups

BCOS, team green &  
other government  
groups

Non-Profit  
Organizations

Neighborhood associations  
and other citizens

## Unconference





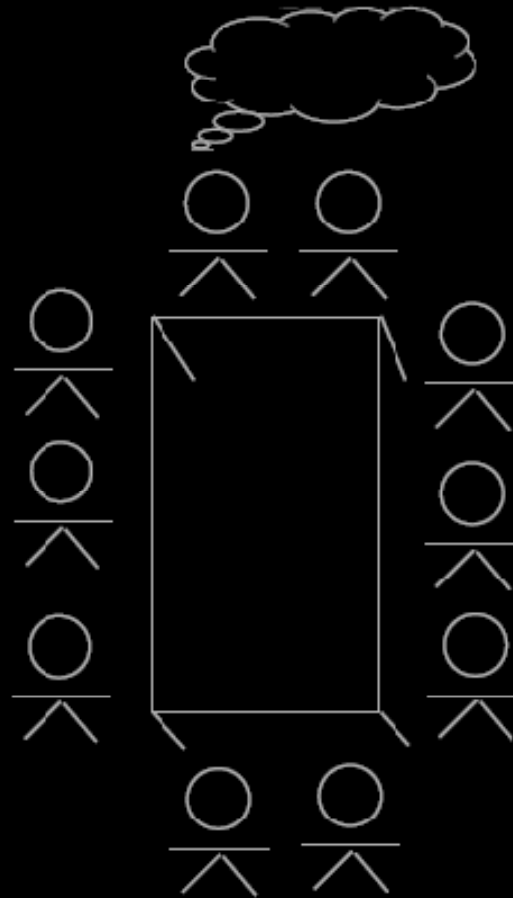
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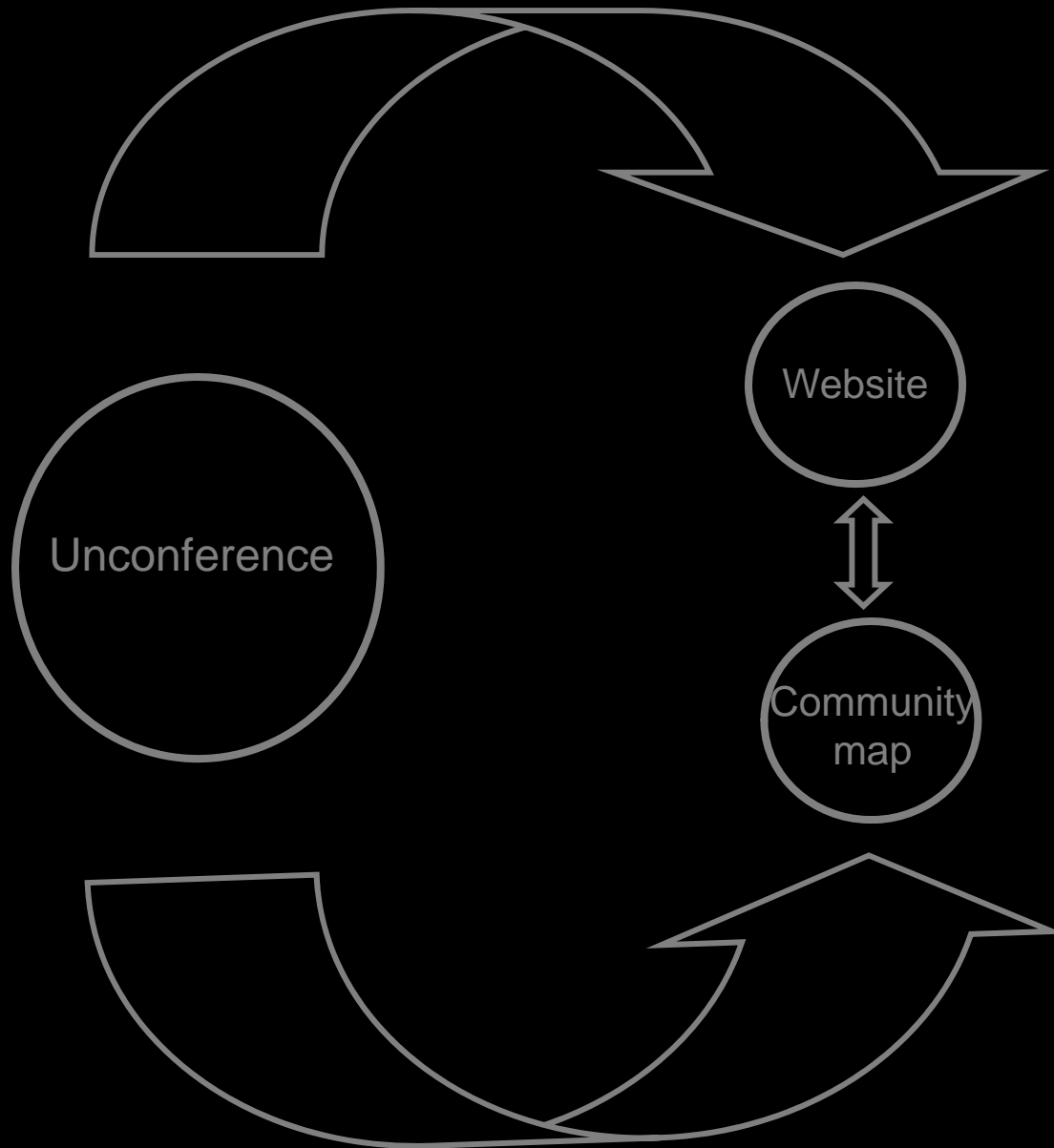


## Collective action

Informal follow-up  
events

Micro-community  
building events

Political Advocacy









THE  
REST  
OF  
YOUR  
LIFE  
STARTS