

WELCOME
City of Kirkland
COMMUNITY
CONVERSATION
about
CLIMATE PROTECTION

VOTING INSTRUCTIONS

- Pulse pads instantly tally votes for all participants to see.
- Choose the answer which is most applicable to you.
- Answer as city resident/property owner, business owner, or community member.

City of Kirkland
Greenhouse Gas Emission
Reduction Targets

Primary: 20% below 2005 levels by 2020

Interim: 10% below 2005 levels by 2012

Long term: 80% below 2007 levels by 2050

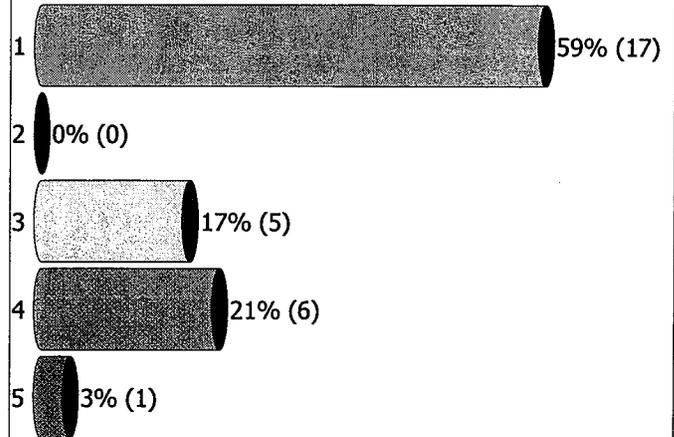
VOTING INSTRUCTIONS

- Going to explore: What you're doing now; What you're willing to do
- System can only output one answer
- Not statistically valid survey (pulse check)

INTRO QUESTIONS

Who are you?

1. I'm a City of Kirkland resident.
2. I own property in the City of Kirkland but don't live here.
3. I'm a City of Kirkland business owner/manager.
4. I'm a Kirkland community member.
5. I'm none of the above.

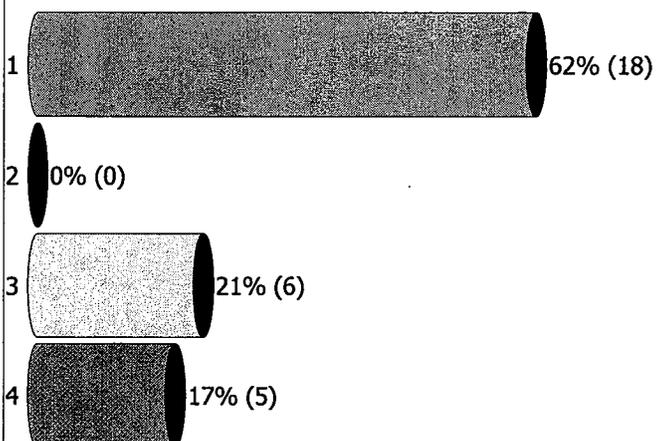


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Why are you here?

1. I wanted to learn what Kirkland is doing about climate protection
2. I wanted to try the automated voting devices
3. I wanted to share with others what I'm doing to protect Kirkland's climate.
4. I was "volunteered" to be here

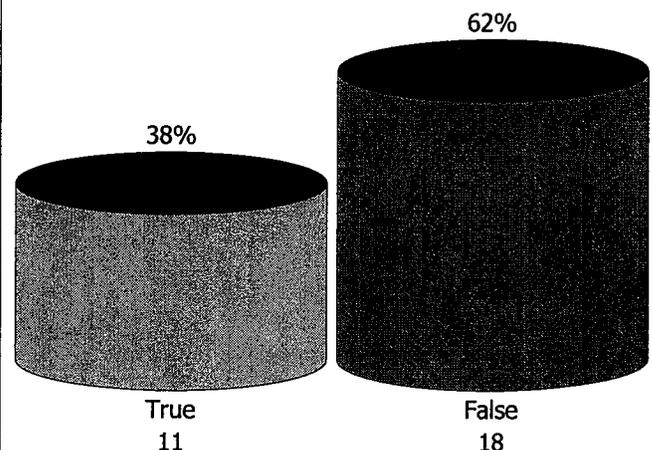


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Climate Change is the same as the Greenhouse Effect

1. True (yes)
2. False (no)



Total: 29

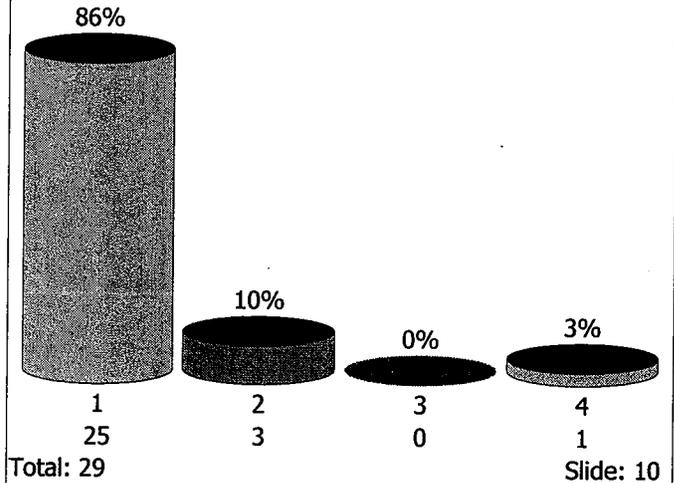
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FALSE

According to the Puget Sound Clean Air Agency, climate change refers to the various impacts of an ever-warmer planet, brought on by increased levels of greenhouse gases in our atmosphere. The greenhouse effect is a natural process in the Earth's atmosphere that helps retain solar heat, keeping the Earth's temperature warm enough to support life.

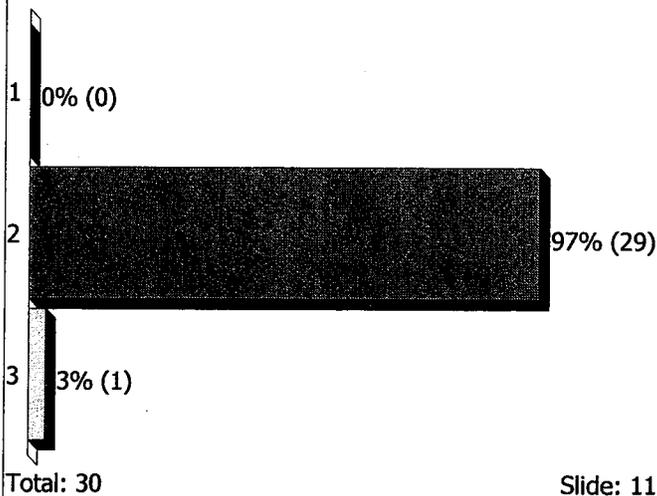
My belief about climate change is that:

1. It is a serious problem that Kirkland needs to address
2. It is somewhat of a problem that Kirkland needs to address
3. It is not a serious problem that Kirkland needs to address
4. I have no opinion



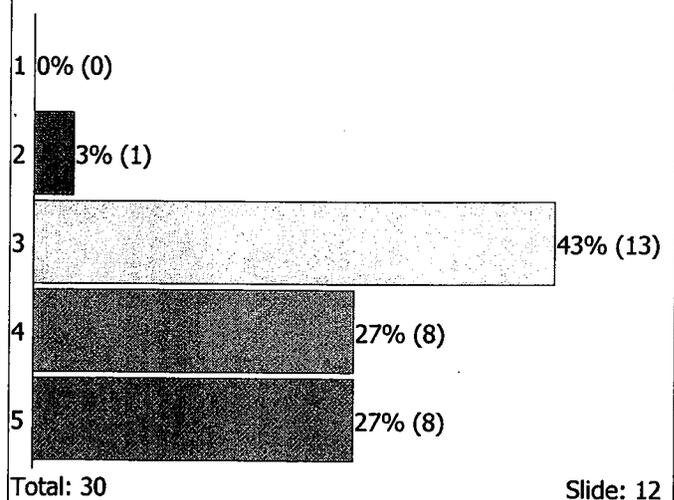
What is a carbon footprint?

1. A chemical element on the Periodic Table that has an atomic number of 6 and is part of Group 14.
2. A measure of the impact human activities have on the environment expressed in terms of tons of carbon dioxide emissions produced.
3. A technique used to find and measure the foot spans of dinosaurs to determine when they roamed the earth.



Which statement best describes how you feel about how your actions can help reduce future climate change

1. My actions can have no impact on reducing future climate change.
2. My actions can have very little impact on reducing future climate change.
3. My actions can have some impact on reducing future climate change.
4. My actions can have a good amount of impact on reducing future climate change.
5. My actions can have a great deal of impact on reducing future climate change.



What are greenhouse gases?

Greenhouse gases are gases in the Earth's atmosphere that trap the sun's energy and thereby heat the Earth's atmosphere. They include:

~Carbon dioxide (comes from the combustion of fossil fuels for energy)

~Methane (comes from landfills & fossil fuel production)

~Nitrous oxide (comes from nitrogen fertilizers & industrial sources)

Areas where greenhouse gas emissions (GHGE) can be reduced:

- Commuting/transportation
- Energy efficiency
- Fuel efficiency/alternative fuels
- Waste reduction & recycling
- Environmental stewardship

COMMUTING - TRANSPORTATION

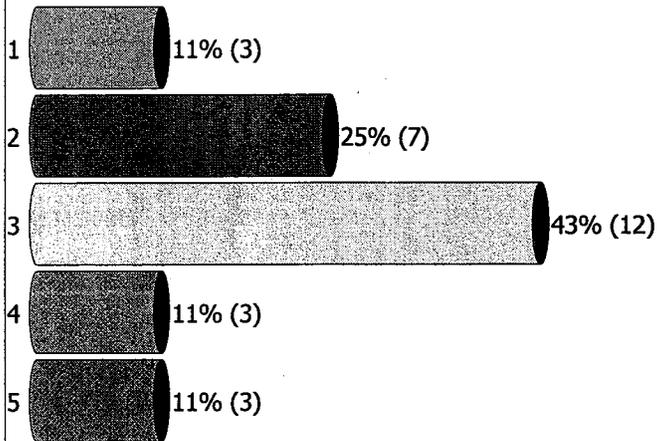
Alternative Modes of Transportation (MOT)

(Alternative to driving alone)

- ~Carpool, van pool
- ~Motorcycle/scooter
- ~Bus (transit)
- ~Walk
- ~Bicycle
- ~Non-fuel using (roller blade, telecommute)

How often do you use an alternative MOT for commuting?

1. I never use an alternative MOT
2. I rarely use an alternative MOT
3. I sometimes use an alternative MOT
4. I often use an alternative MOT
5. Every chance I get, I use an alternative MOT

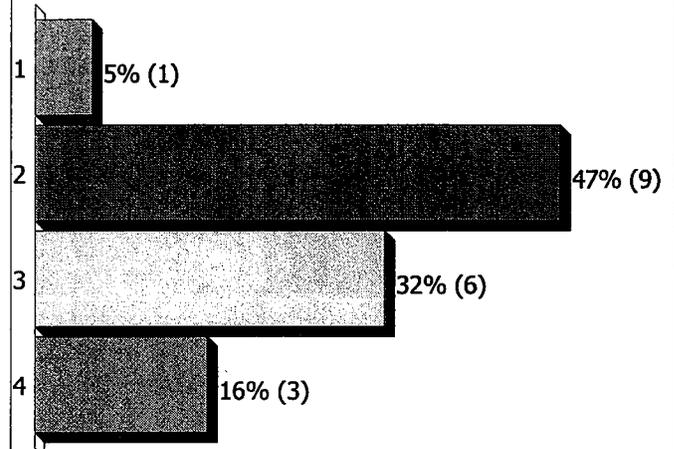


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If you don't use a alternate MOT now or not very often, how willing are you to try one?

1. I'm not at all willing to try
2. I'm somewhat willing to try
3. I'm ready now to try
4. I have no opinion

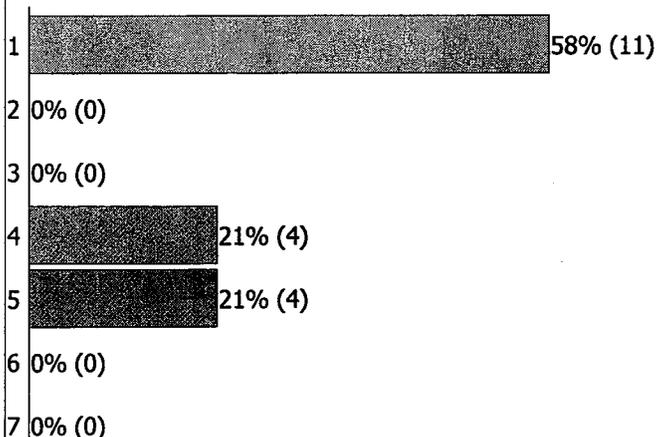


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Of the alternative MOT available to me, I'm most willing to try _____ in the near future:

1. Transit/bus
2. Walk
3. Bicycle
4. Carpool/Vanpool
5. Telecommute
6. Flex schedule
7. Other



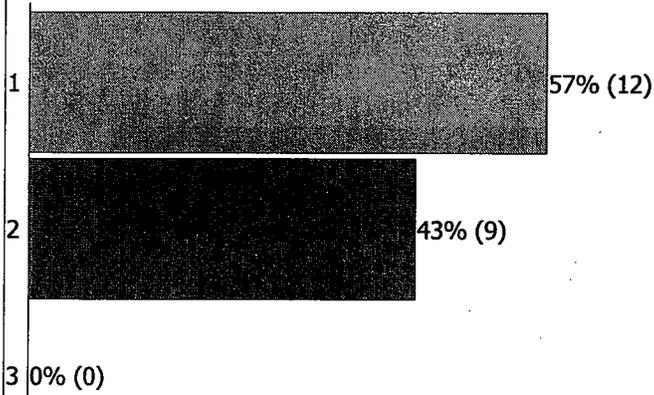
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EMPLOYER COMMUTER QUESTIONS

My employer/company is currently doing things to encourage alternative modes of transportation:

- 1. Yes
- 2. No
- 3. Don't know

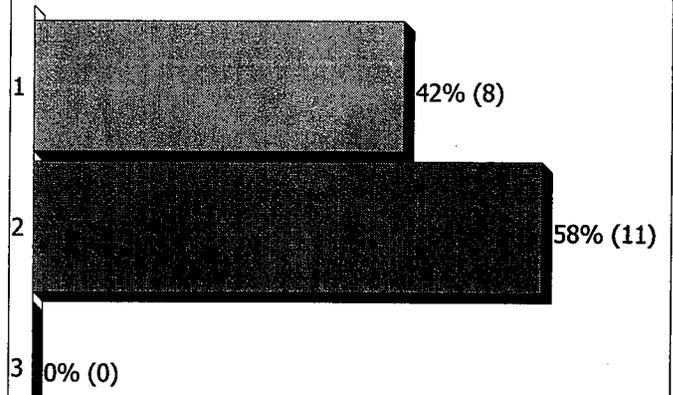


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My employer/company encourages employees to participate in alternative commute campaigns (e.g. Bike to Work, Ride Share)

- 1. Yes
- 2. No
- 3. Don't know

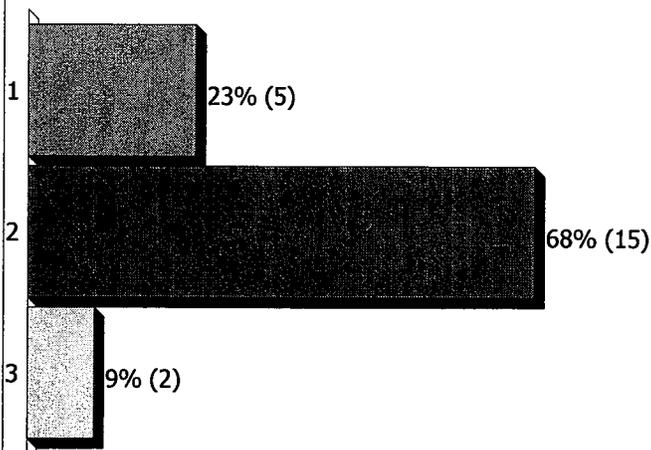


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My employer/company limits employee parking

- 1. Yes
- 2. No
- 3. Don't know

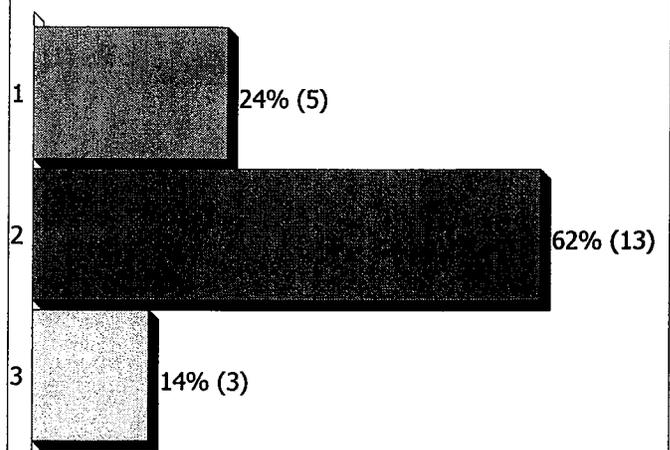


Total: 22

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My employer/company has an "anti-idling" policy for company vehicles and/or on company property

- 1. Yes
- 2. No
- 3. Don't know

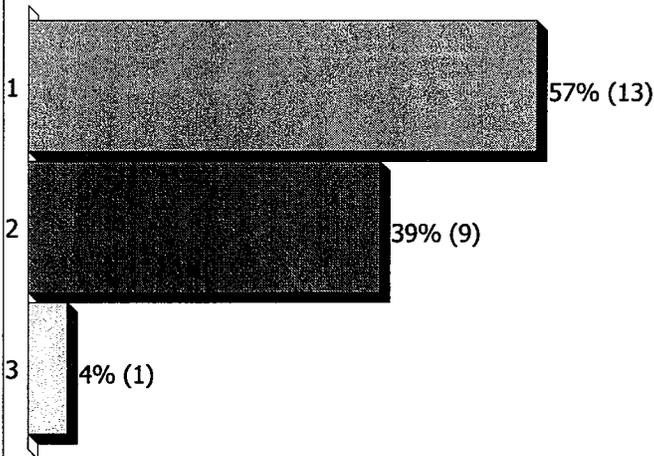


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My employer/company allows for alternative work week schedules for employees

1. Yes
2. No
3. Don't know

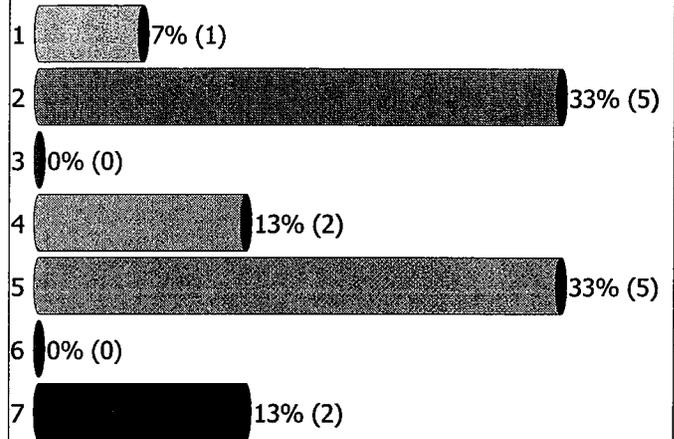


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As an employer, the first action I'm willing to take in my work place is:

1. Start a commute trip reduction program
2. Encourage employees to participate in alternative transportation campaigns
3. Limit employee parking
4. Institute a "no idling" policy for company vehicles and/or on property
5. Allow alternative work schedules, such as telecommuting or flex schedules
6. Other
7. None of the above

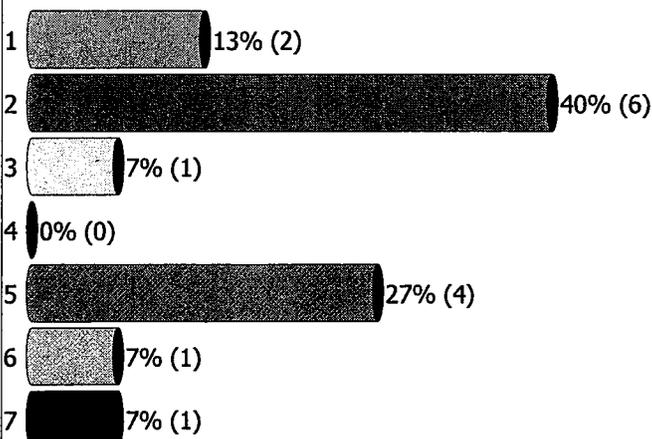


Total: 15

Slide: 26

As an employer, the second action I'm willing to take in my work place is:

1. Start a commute trip reduction program
2. Encourage employees to participate in alternative transportation campaigns
3. Limit employee parking
4. Institute a "no idling" policy for company vehicles and/or on property
5. Allow alternative work schedules, such as telecommuting or flex schedules
6. Other
7. None of the above

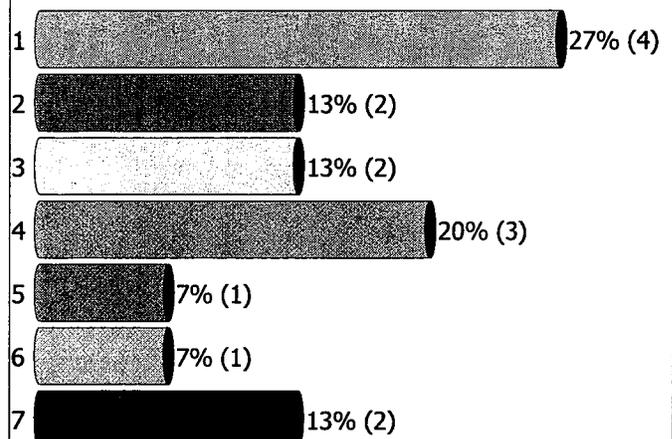


Total: 15

Slide: 27

As an employer, the third action I'm willing to take in my work place is:

1. Start a commute trip reduction program
2. Encourage employees to participate in alternative transportation campaigns
3. Limit employee parking
4. Institute a "no idling" policy for company vehicles and/or on property
5. Allow alternative work schedules, such as telecommuting or flex schedules
6. Other
7. None of the above



Total: 15

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ENERGY EFFICIENCY

As an agency, the City's electricity use and natural gas consumption for operating buildings, traffic signals, street lights & lift station contributed 67% of the total tons of carbon dioxide (CO₂) emissions generated from City operations.

Efforts to improve the City's energy efficiency include building improvements, lighting retrofits, operational changes and changes in employee behavior. Additionally, the City is currently purchasing 50% of its electricity through Puget Sound Energy's Green Power Program and an active member of the Energy Star Partnership.

As a home owner or business owner, there are things you can do to reduce your energy consumption.

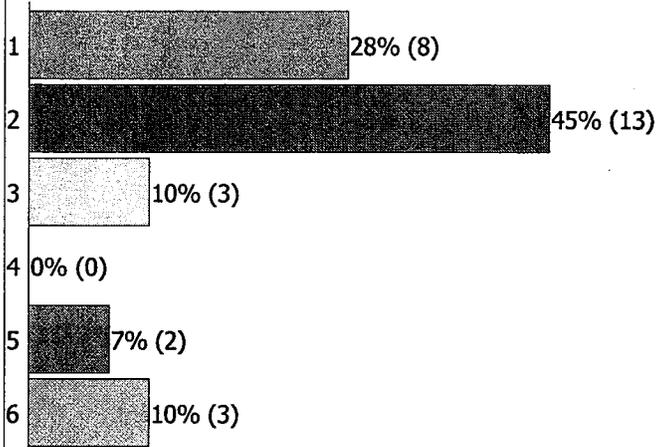
Some actions may be "one time;" others may be "regular habits."

The following questions will explore what actions you take now in your home and work place and what further actions you are willing to take to be more energy efficient.

INDIVIDUAL ONE TIME ACTIONS FOR ENERGY EFFICIENCY

The one-time action I do the most at home to reduce energy consumption is:

1. I bought energy efficient appliances
2. I have a programmable thermostat.
3. I installed insulation with the right/adequate "resistance value" (R-Value); I've added more insulation
4. I have weather sealed my windows, doors, ducts & plumbing
5. Other
6. None of the above

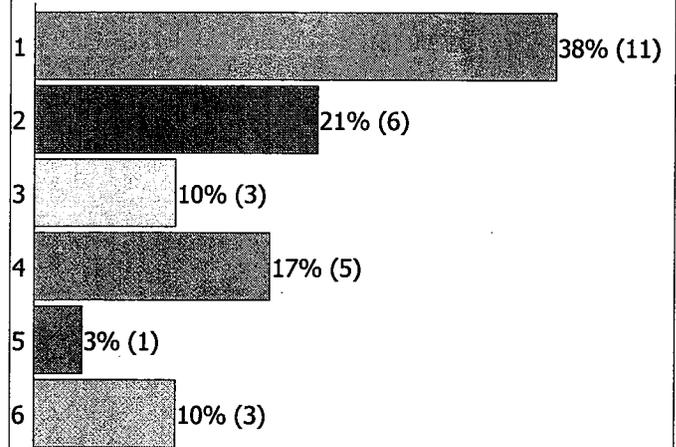


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Slide: 33

The one-time action I do the second most at home to reduce energy consumption is:

1. I bought energy efficient appliances
2. I have a programmable thermostat.
3. I installed insulation with the right/adequate "resistance value" (R-Value); I've added more insulation
4. I have weather sealed my windows, doors, ducts & plumbing
5. Other
6. None of the above

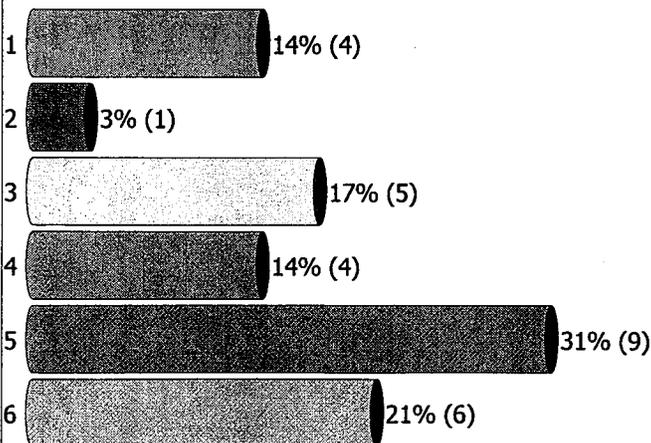


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The one time action I do the third most often at home to reduce energy consumption is:

1. I bought energy efficient appliances
2. I have a programmable thermostat.
3. I installed insulation with the right/adequate "resistance value" (R-Value); I've added more insulation
4. I have weather sealed my windows, doors, ducts & plumbing
5. Other
6. None of the above

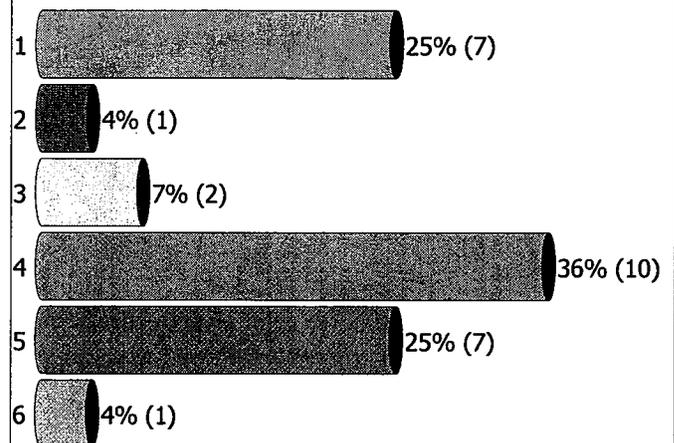


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The one time action I'm most willing to try at home to reduce energy consumption is:

1. Buy energy efficient appliances
2. Buy programmable thermostat.
3. Install insulation with the right/adequate "resistance value" (R-Value); I'll add more insulation
4. Weather seal my windows, doors, ducts & plumbing
5. Other
6. None of the above

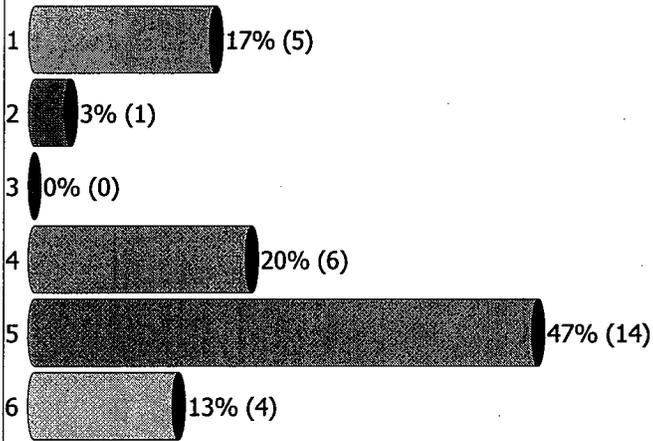


Total: 28

Slide: 36

The one time action I'm most willing to try second at home to reduce energy consumption is:

1. Buy energy efficient appliances
2. Buy programmable thermostat.
3. Install insulation with the right/adequate "resistance value" (R-Value); I'll add more insulation
4. Weather seal my windows, doors, ducts & plumbing
5. Other
6. None of the above

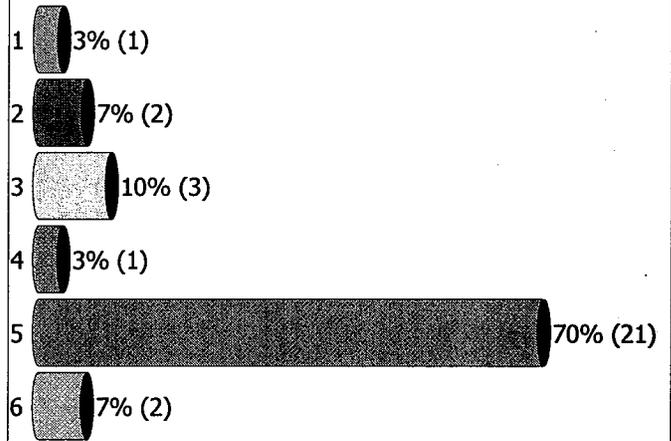


Total: 30

Slide: 37

The one time action I'm most willing to try third at home to reduce energy consumption is:

1. Buy energy efficient appliances
2. Buy programmable thermostat.
3. Install insulation with the right/adequate "resistance value" (R-Value); I'll add more insulation
4. Weather seal my windows, doors, ducts & plumbing
5. Other
6. None of the above



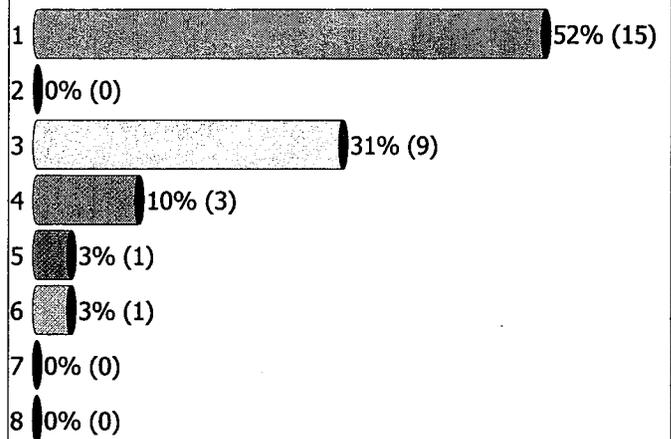
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INDIVIDUAL HABITS FOR ENERGY EFFICIENCY

The habit I do the most often at home to reduce energy consumption is:

1. I set the thermostat to 68 degrees
2. I set my water heater temperature at the lowest setting possible
3. I use compact fluorescent lights (CFLs) instead of incandescent bulbs
4. I wash my clothes in cold water
5. I take shorter showers
6. I maintain landscaping that keeps my house cool
7. Other
8. None of the above

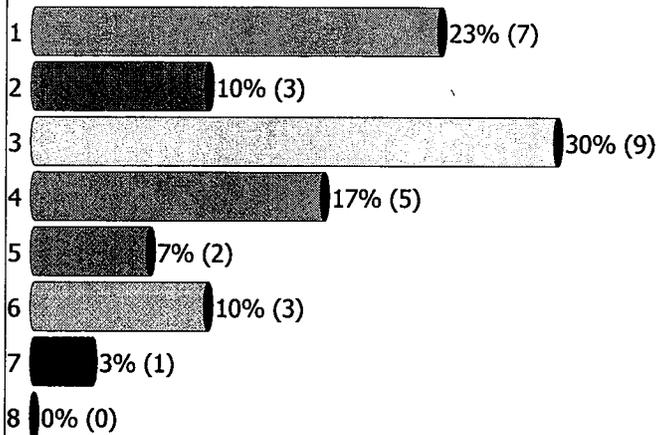


Total: 29

Slide: 40

The habit I do the second most often at home to reduce energy consumption is:

1. I set the thermostat to 68 degrees
2. I set my water heater temperature at the lowest setting possible
3. I use compact fluorescent lights (CFLs) instead of incandescent bulbs
4. I wash my clothes in cold water
5. I take shorter showers
6. I have landscaping that keeps my house cool
7. Other
8. None of the above

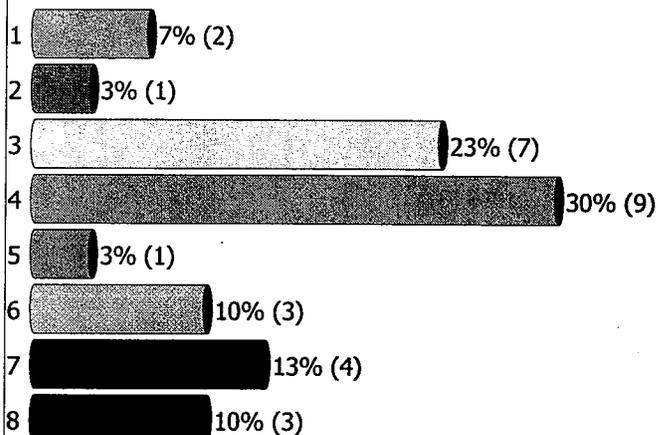


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Slide: 41

The habit I do the third most often at home to reduce energy consumption is:

1. I set the thermostat to 68 degrees
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3. I use compact fluorescent lights (CFLs) instead of incandescent bulbs
4. I wash my clothes in cold water
5. I take shorter showers
6. I maintain landscaping that keeps my house cool
7. Other
8. None of the above

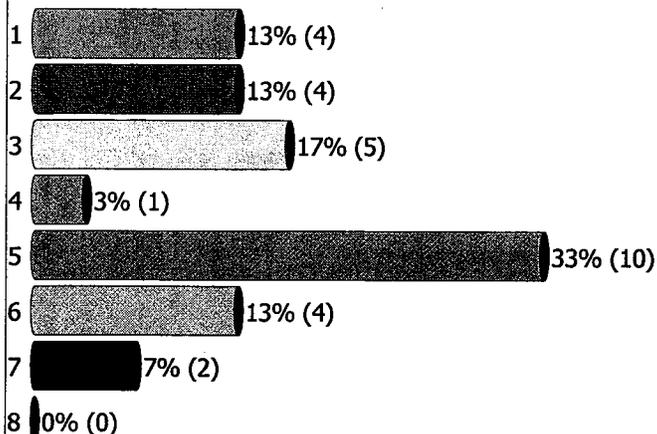


Total: 30

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The habit I'm most willing to try at home to reduce energy consumption is:

1. Set the thermostat to 68 degrees
2. Set my water heater temperature at the lowest setting possible
3. Use compact fluorescent lights (CFLs) instead of incandescent bulbs
4. Wash my clothes in cold water
5. Take shorter showers
6. Regularly have my furnace serviced
7. Other
8. None of the above

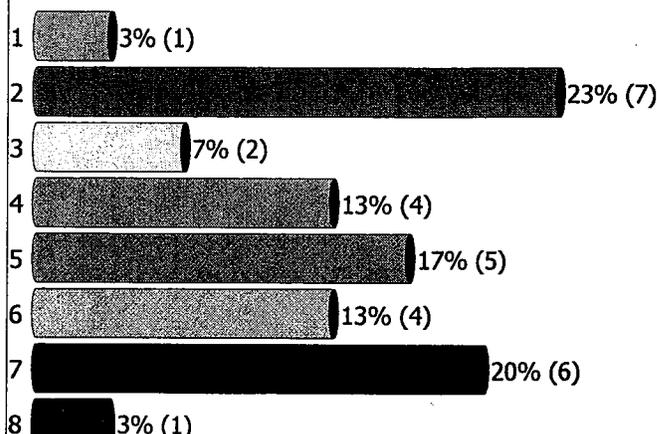


Total: 30

Slide: 43

The second habit I'm most willing to try at home to reduce energy consumption:

1. Set the thermostat to 68 degrees
2. Set my water heater temperature at the lowest setting possible
3. Use compact fluorescent lights (CFLs) instead of incandescent bulbs
4. Wash my clothes in cold water
5. Take shorter showers
6. Regularly have my furnace serviced
7. Other
8. None of the above

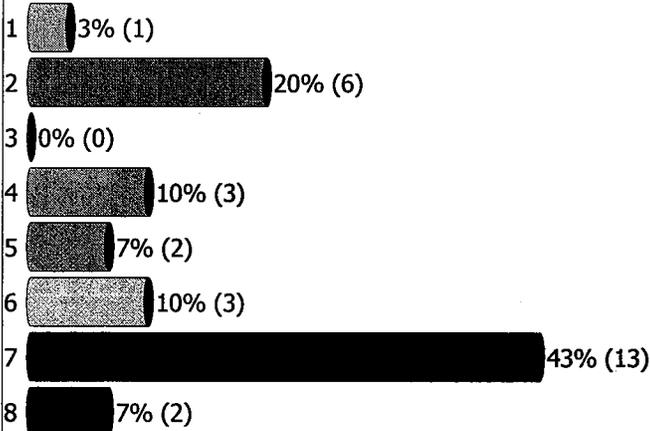


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The third habit I'm most willing to try at home to reduce energy consumption:

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3. Use compact fluorescent lights (CFLs) instead of incandescent bulbs
4. Wash my clothes in cold water
5. Take shorter showers
6. Regularly have my furnace serviced
7. Other
8. None of the above

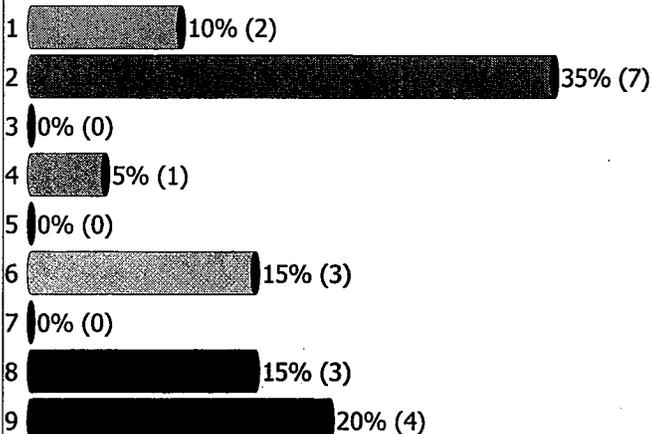


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The one-time action my work/my company does the most to reduce energy consumption:

1. Purchased energy efficient computers, monitors, copiers & other office equipment
2. Replaced incandescent floodlight bulbs with compact fluorescent lamps
3. Installed solar power
4. Retrofitted lighting with timers and/or sensors
5. Installed/replaced energy efficient windows
6. Installed programmable thermostat(s)
7. Other
8. None of above
9. Don't know



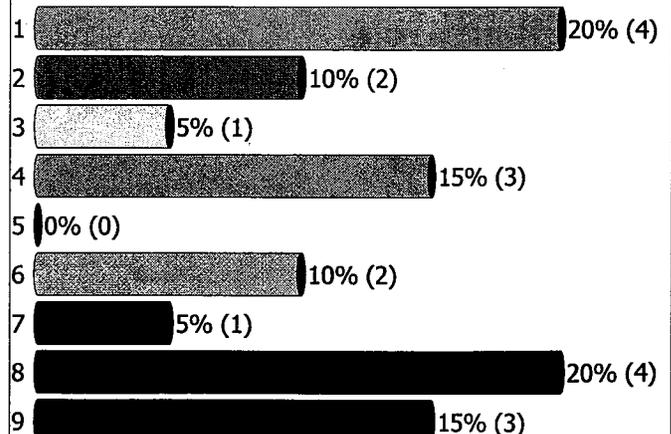
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**WORKPLACE &
BUSINESS
ONE TIME ACTIONS
FOR
ENERGY EFFICIENCY**

The one-time action my work/my company does the second most to reduce energy consumption:

1. Purchased energy efficient computers, monitors, copiers & other office equipment
2. Replaced incandescent floodlight bulbs with compact fluorescent lamps
3. Installed solar power
4. Retrofitted lighting with timers and/or sensors
5. Installed/replaced energy efficient windows
6. Installed programmable thermostat(s)
7. Other
8. None of above
9. Don't know

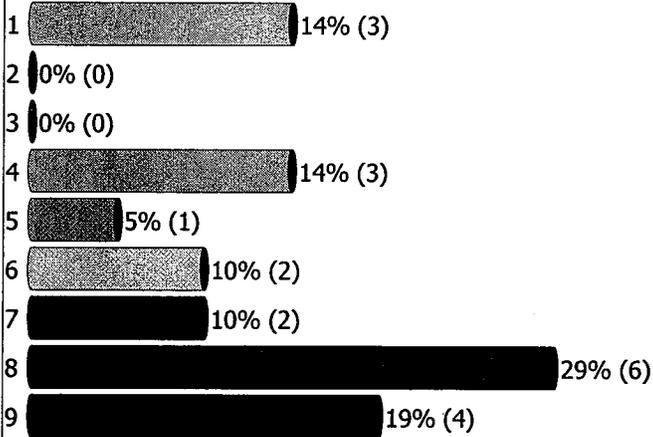


Total: 20

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The one-time action my work/my company does the third most to reduce energy consumption:

1. Purchased energy efficient computers, monitors, copiers & other office equipment
2. Replaced incandescent floodlight bulbs with compact fluorescent lamps
3. Installed solar power
4. Retrofitted lighting with timers and/or sensors
5. Installed/replaced energy efficient windows
6. Installed programmable thermostat(s)
7. Other
8. None of above
9. Don't know

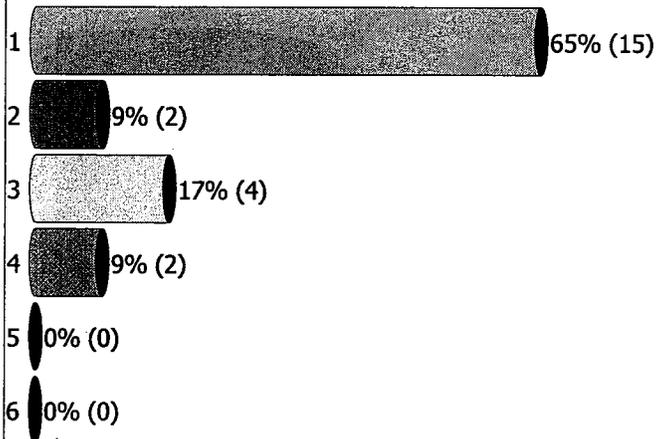


Total: 21

Slide: 49

The habit my work/my company does the most to reduce energy consumption:

1. Turn off lights when not needed; office not occupied
2. Turn off/unplug computers, electronics at night; not in use
3. Keep temperature at efficient settings for heat & air conditioning
4. Other
5. None of above
6. Don't know



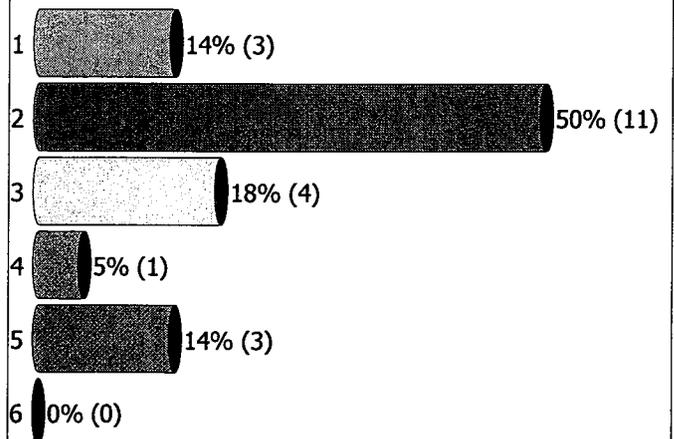
Total: 23

Slide: 51

WORKPLACE & BUSINESS HABITS FOR ENERGY EFFICIENCY

The habit my work/my company does the second most to reduce energy consumption:

1. Turn off lights when not needed; office not occupied
2. Turn off/unplug computers, electronics at night; not in use
3. Keep temperature at efficient settings for heat & air conditioning
4. Other
5. None of above
6. Don't know

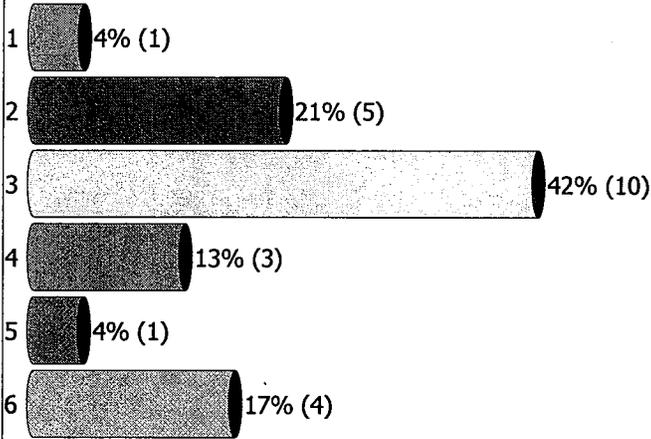


Total: 22

Slide: 52

**The habit my work/my company does
the third most to reduce energy
consumption:**

1. Turn off lights when not needed; office not occupied
2. Turn off/unplug computers, electronics at night; not in use
3. Keep temperature at efficient settings for heat & air conditioning
4. Other
5. None of above
6. Don't know



Total: 24

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On-road gas and diesel emissions from vehicles are the number one source of CO₂ emissions in the Kirkland community and in King County. According to the 2005 inventory, City vehicles contributed 27% of the total tons of CO₂ emissions generated by city operations.

The City has several hybrid & biodiesel vehicles.

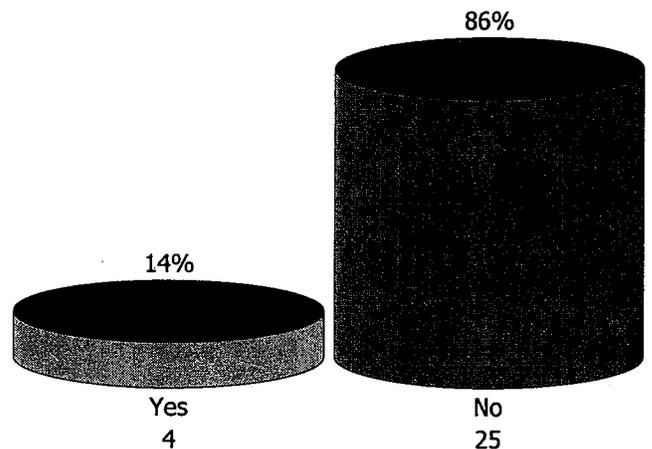
As a charter member of the Puget Sound Clean Cities Coalition, the City continues its efforts to find ways to use more biodiesel and ultra-low sulfur fuels. The City is also an active participant in the Green Fleets Initiative that is working to standardize fuel efficiency thresholds and to explore collective purchasing of alternative fuel by member cities.

**FUEL EFFICIENCY -
ALTERNATIVE FUEL**

I currently drive a "green" car (hybrid, diesel/biodiesel, flex fuel, ultra low emission, etc)

~Yes

~No

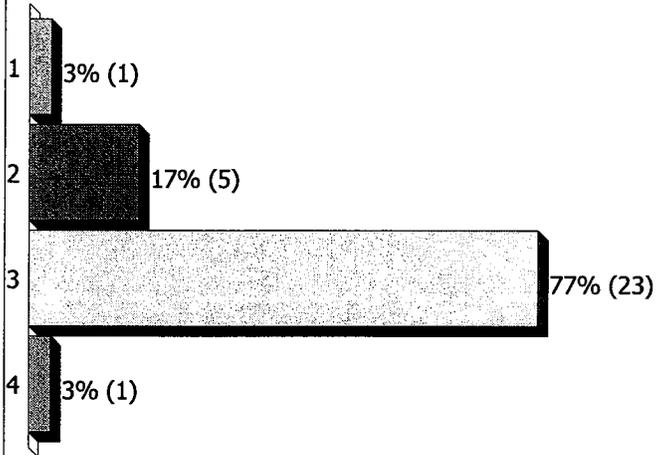


Total: 29

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If you don't own a green car now, how willing are you to consider buying one in the next 2-5 years?

1. Not willing at all
2. Somewhat willing
3. Very willing
4. No opinion

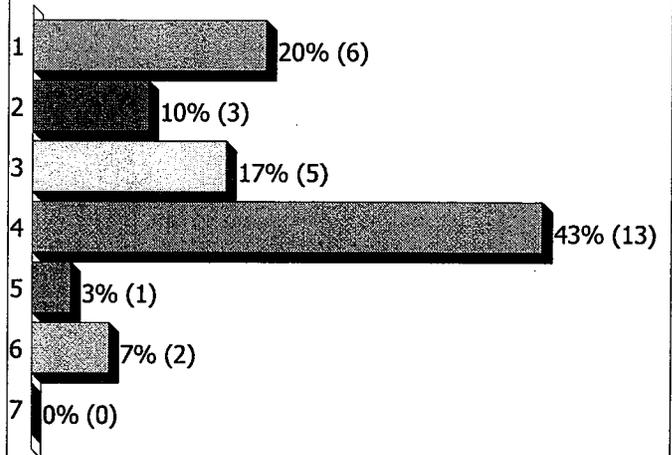


Total: 30

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The most frequent thing I do for fuel efficiency is:

1. I live near where I work
2. I drive a green car
3. I don't leave my car idling
4. I bundle my errands
5. I ensure my car tires have proper air pressure
6. Other
7. None of the above

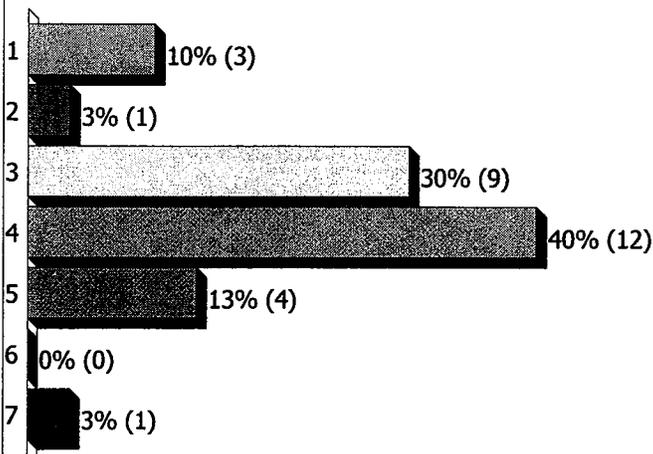


Total: 30

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The second most frequent thing I do for fuel efficiency is:

1. I live near where I work
2. I drive a green car
3. I don't leave my car idling
4. I bundle my errands
5. I ensure my car tires have proper air pressure
6. Other
7. None of the above

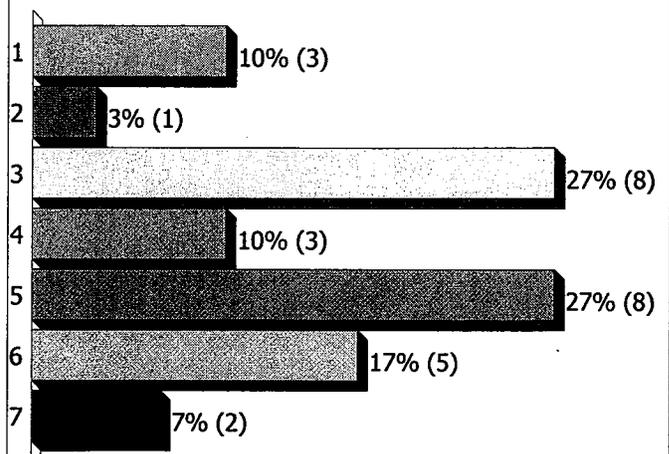


Total: 30

Slide: 59

The third most frequent thing I do for fuel efficiency is:

1. I live near where I work
2. I drive a green car
3. I don't leave my car idling
4. I bundle my errands
5. I ensure my car tires have proper air pressure
6. Other
7. None of the above



Total: 30

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WASTE REDUCTION & RECYCLING

Waste, as the name implies, is any unwanted or undesired material or substance. When organic matter like wood scraps, used paper, food and yard wastes are treated as waste and placed in landfills, they decompose and produce methane.

Waste reduction, as the name implies, is the use of source reduction, recycling, or composting to prevent or reduce waste generation.

Recycling is the recovery and reprocessing of usable products that might otherwise become waste. Recycling organic materials prevents methane emissions.

Reuse is the use of a product in its original form more than once (e.g. refilling a glass bottle that has been returned or using a shopping bag multiple times).

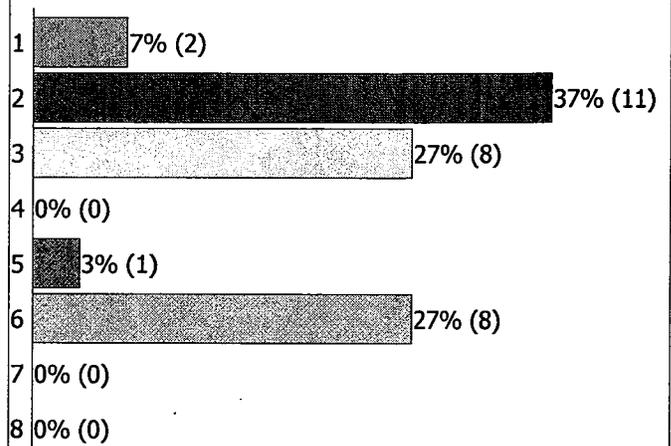
City Garbage/Recycling Service

Waste Management is under contract with the City through 2012 to collect single family, multifamily & commercial garbage, recycling and organics. Kirkland businesses receive garbage collection from Waste Management and have the option to use Waste Management or a private company for recycling. Pick up service for garbage and recycling is weekly for residential customers.

In 2007, Kirkland ranked number one in King County for its single family recycling diversion rate. Single family residents diverted an average of 69% of their total solid waste stream each week.

The thing I most frequently do to reduce waste is:

1. Participate in the junk mail "opt out" program
2. I reuse items whenever possible such as reusable shopping bags.
3. Not drink bottled water
4. Buy items with the least amount of packaging
5. Borrow or rent items, or purchase used items
6. Compost food waste
7. Other
8. None of the above

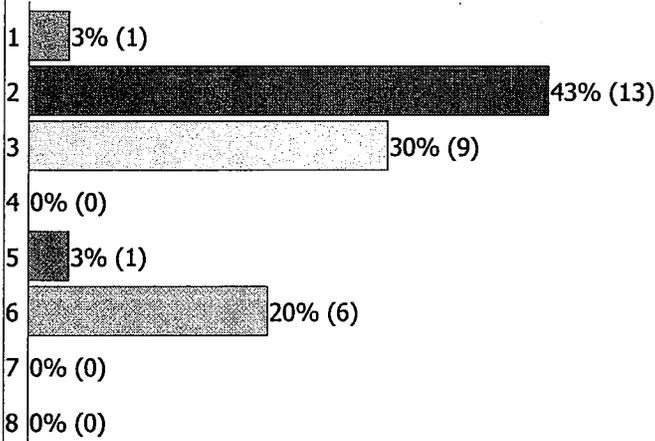


Total: 30

Slide: 64

The thing I do the second most frequently to reduce waste is:

1. Participate in the junk mail "opt out" program
2. I reuse items whenever possible such as reusable shopping bags.
3. Not drink bottled water
4. Buy items with the least amount of packaging
5. Borrow or rent items, or purchase used items
6. Compost food waste
7. Other
8. None of the above

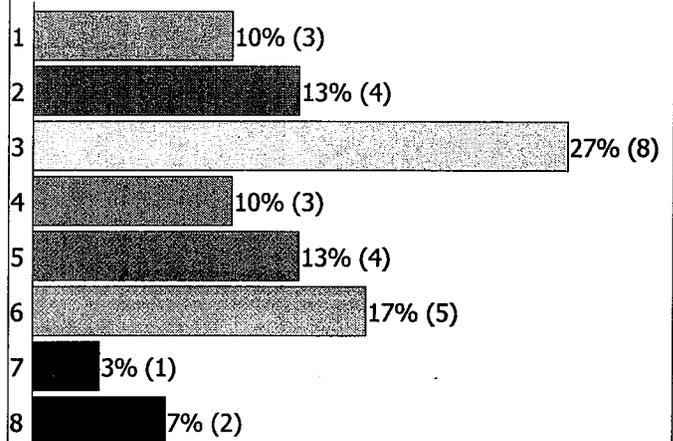


Total: 30

Slide: 65

The thing I do the third most frequently to reduce waste is:

1. Participate in the junk mail "opt out" program
2. I reuse items whenever possible such as reusable shopping bags.
3. Not drink bottled water
4. Buy items with the least amount of packaging
5. Borrow or rent items, or purchase used items
6. Compost food waste
7. Other
8. None of the above

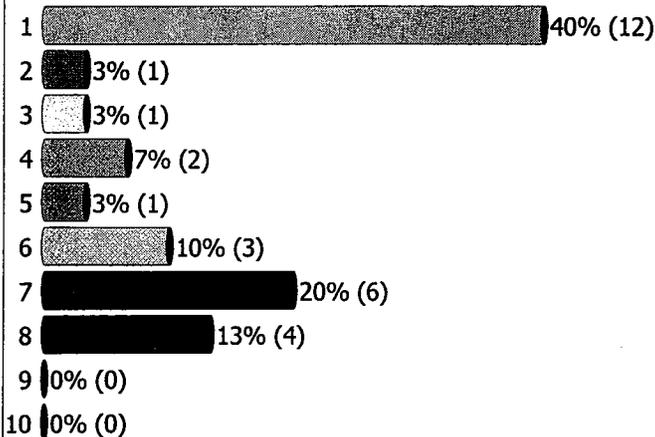


Total: 30

Slide: 66

The first thing I'm willing to do to reduce waste is:

1. Participate in the junk mail "opt out" program
2. Reuse items whenever possible such as reusable shopping bags.
3. Not drink bottled water
4. Buy items with the least amount of packaging
5. Borrow or rent items, or purchase used items
6. Compost food waste
7. Contact my government representative for "greener" legislation
8. Use rechargeable batteries
9. Other
10. None of the above

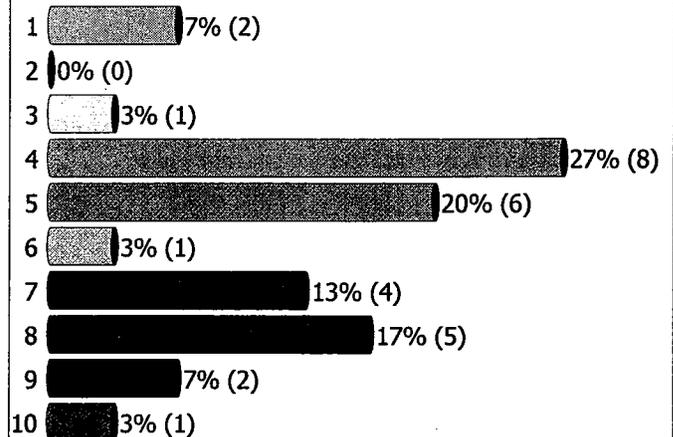


Total: 30

Slide: 67

The second thing I'm willing to do to reduce waste is:

1. Participate in the junk mail "opt out" program
2. Reuse items whenever possible such as reusable shopping bags.
3. Not drink bottled water
4. Buy items with the least amount of packaging
5. Borrow or rent items, or purchase used items
6. Compost food waste
7. Contact my government representative for "greener" legislation
8. Use rechargeable batteries
9. Other
10. None of the above

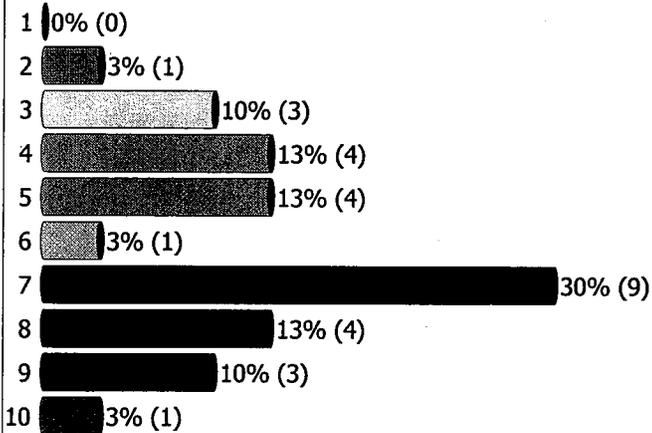


Total: 30

Slide: 68

The third thing I'm willing to do to reduce waste is:

1. Participate in the junk mail "opt out" program
2. Reuse items whenever possible such as reusable shopping bags.
3. Not drink bottled water
4. Buy items with the least amount of packaging
5. Borrow or rent items, or purchase used items
6. Compost food waste
7. Contact my government representative for "greener" legislation
8. Use rechargeable batteries
9. Other
10. None of the above

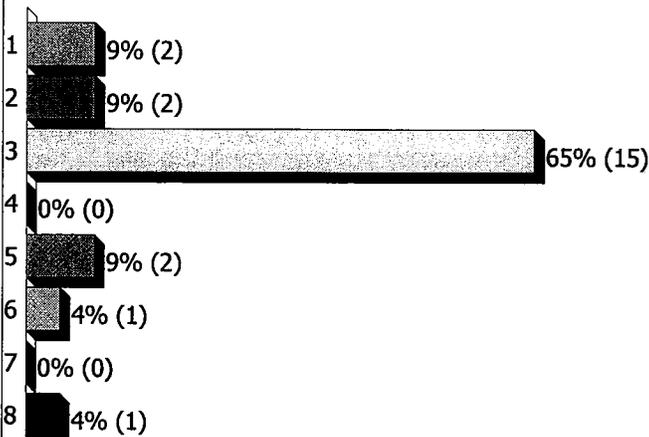


Total: 30

Slide: 69

The most common thing my work/my company does to reduce waste:

1. Uses recycled-content copy paper, stationary & janitorial paper products
2. Returns empty toner cartridges to the manufacturer
3. Has a recycling program (cardboard, paper, glass bottles/jars, aluminum cans, etc)
4. Recycles electronics
5. Takes steps to reduce the amount of paper used
6. Other
7. None of the above
8. Don't know



Total: 23

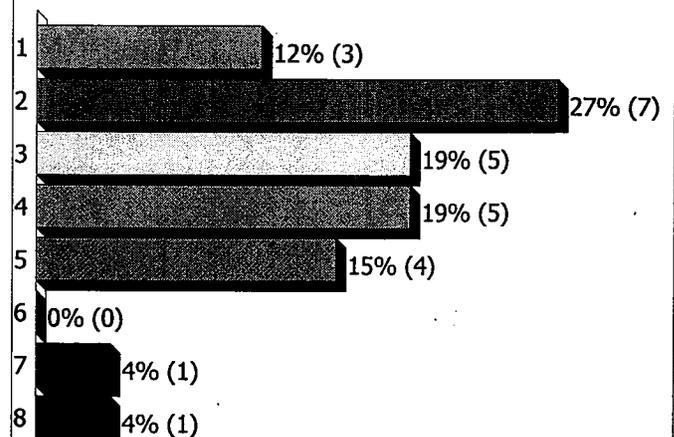
Slide: 71

EMPLOYER / BUSINESS

WASTE REDUCTION

The second most common thing my work/my company does to reduce waste:

1. Uses recycled-content copy paper, stationary & janitorial paper products
2. Returns empty toner cartridges to the manufacturer
3. Has a recycling program (cardboard, paper, glass bottles/jars, aluminum cans, etc)
4. Recycles electronics
5. Takes steps to reduce the amount of paper used
6. Other
7. None of the above
8. Don't know

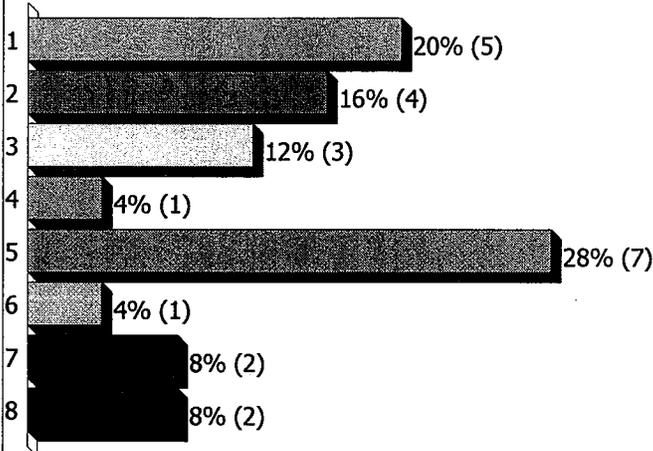


Total: 26

Slide: 72

The third most common thing my work/my company does to reduce waste:

1. Uses recycled-content copy paper, stationary & janitorial paper products
2. Returns empty toner cartridges to the manufacturer
3. Has a recycling program (cardboard, paper, glass bottles/jars, aluminum cans, etc)
4. Recycles electronics
5. Takes steps to reduce the amount of paper used
6. Other
7. None of the above
8. Don't know

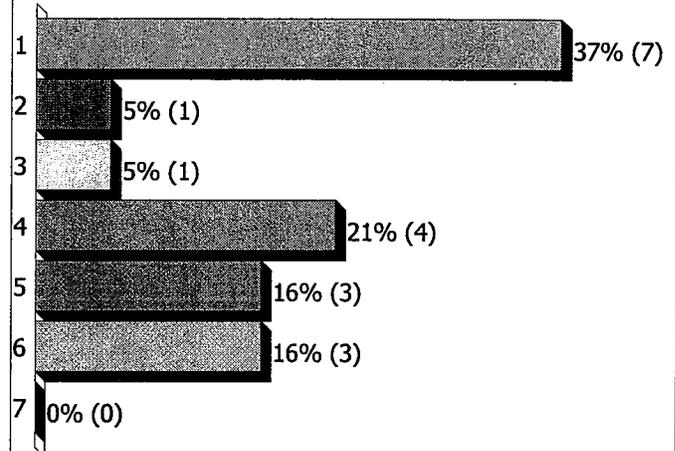


Total: 25

Slide: 73

The first thing I'm willing to do at my work/my company to reduce waste is:

1. Use recycled-content copy paper, stationary & janitorial paper products
2. Return empty toner cartridges to the remanufacturer
3. Start a recycling program (cardboard, paper, glass bottles/jars, aluminum cans, etc)
4. Recycle electronics
5. Set up food recycling
6. Other
7. None of the above

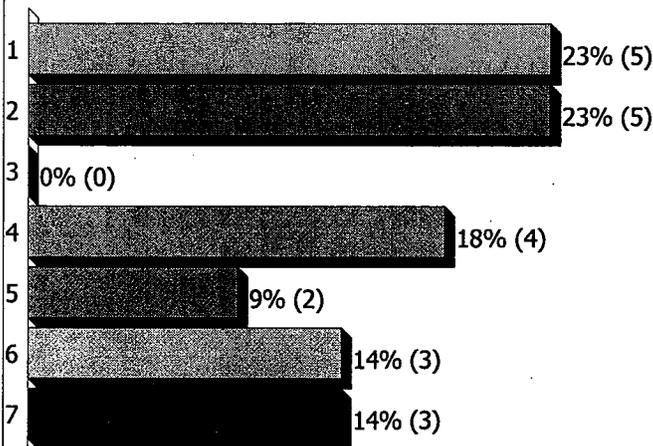


Total: 19

Slide: 74

The second thing I'm willing to do at my work/my company to reduce waste is:

1. Use recycled-content copy paper, stationary & janitorial paper products
2. Return empty toner cartridges to the remanufacturer
3. Start a recycling program (cardboard, paper, glass bottles/jars, aluminum cans, etc)
4. Recycle electronics
5. Set up food recycling
6. Other
7. None of the above

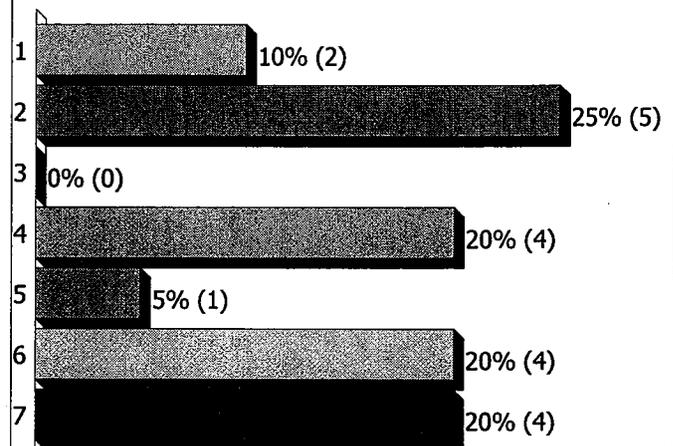


Total: 22

Slide: 75

The third thing I'm willing to do at my work/my company to reduce waste is:

1. Use recycled-content copy paper, stationary & janitorial paper products
2. Return empty toner cartridges to the remanufacturer
3. Start a recycling program (cardboard, paper, glass bottles/jars, aluminum cans, etc)
4. Recycle electronics
5. Set up food recycling
6. Other
7. None of the above



Total: 20

Slide: 76

ENVIRONMENTAL STEWARDSHIP

The City has several volunteer programs that support environmental stewardship. The Green Kirkland Partnership is a network of volunteers dedicated to restoring natural areas in the City. Storm drain stenciling and adoption is available to citizens, groups and businesses that promote the protection of Kirkland's water quality.

The City's Green Building Program promotes sustainable design and building in new residential construction.

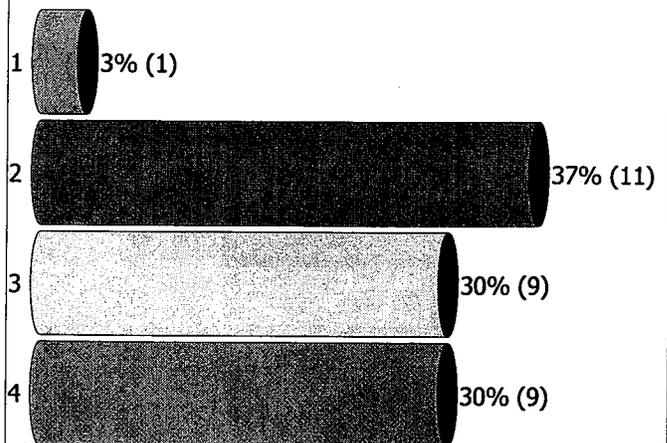
Natural resources include vegetation, land, air, and water systems that are valued by Kirkland citizens. Effective natural resource management recognizes the complex interdependencies of these systems.

The City's 2003 Natural Resources Management Plan calls for strategies to comprehensively manage Kirkland's natural resources.

The City has tree protection regulations to preserve and enhance Kirkland's tree canopy. In 2008, the City adopted its 20 Year Forest Restoration Plan.

Which statement best describes your involvement with Kirkland's environmental stewardship program?

1. I'm not interested in participating in any of the City's stewardship programs
2. I'm somewhat interested in participating in any of the City's stewardship programs
3. I'm currently participating in a City stewardship program
4. I'm interested in participating in a City stewardship program



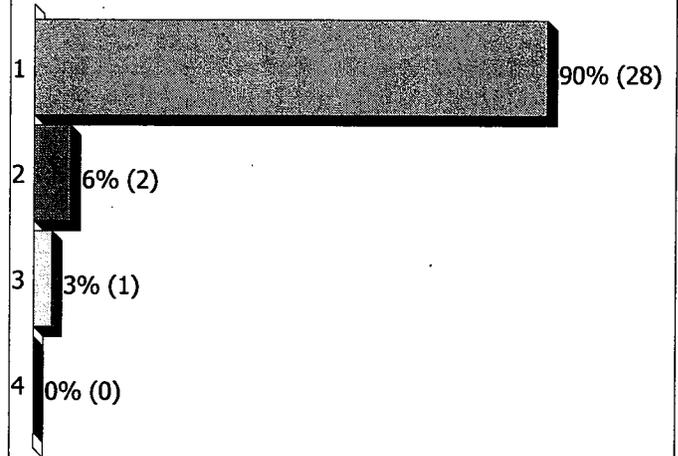
Total: 30

Slide: 80

CLOSING QUESTIONS

My belief about climate change is that:

1. It is a serious problem that Kirkland needs to address
2. It is somewhat of a serious problem that Kirkland needs to address
3. It is not a serious problem that Kirkland needs to address
4. I have no opinion

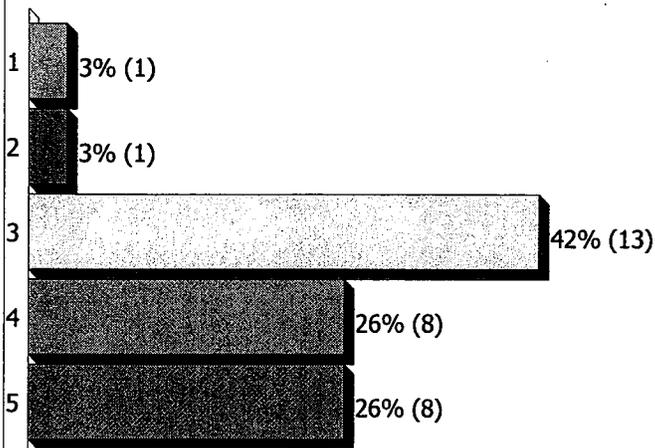


Total: 31

Slide: 82

Which statement best describes how you feel about how your actions can help reduce future climate change?

1. My actions can have no impact on reducing future climate change.
2. My actions can have very little impact on reducing future climate change.
3. My actions can have some impact on reducing future climate change.
4. My actions can have a good amount of impact on reducing future climate change.
5. My actions can have a great deal of impact on reducing future climate change.



Total: 31

Slide: 83

