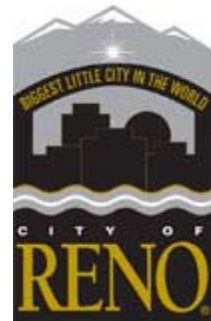




RENO GREEN SUMMIT BREAKOUT GROUP REPORT



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INTRODUCTION



The second annual Reno Green Summit was held on September 20, 2008 at the University of Nevada student union. After the Honorable Rocky Anderson's keynote speech, community members and expert presenters participated in four breakout group discussions on green building, transportation, recycling and education/youth programs for creating a more sustainable green Reno. The four breakout groups were moderated by professional facilitators from M3 Planning, Inc. Each breakout group was facilitated and graphically recorded in an interactive, participatory process. The breakout groups were as follows:

- Single Stream Recycling and Plastic Bag Bans
- Education/Youth Programs- University of Nevada Academy for the Environment/Envirolution
- Green Building and Sierra Green Guidelines
- Transportation

Each workshop began with a brief overview of the session. Following a presentation by experts in the field, the major areas from last year's summit were presented in the green building, transportation and recycling breakout groups. Community participants were asked to individually think about ideas and actions they would like to see for each of the major areas. They wrote down their ideas on a provided worksheet that listed the major areas.

The community participants then formed groups of four and discussed their ideas and action for each major area. As a group they identified the top three best ideas and/or actions for each area. The key was for each group to advocate for what was going to have the biggest impact by narrowing down their ideas. All ideas and actions were recorded on large wall graphic paper as a short-term or long term item. Each group then shared their ideas for each major area with the larger group.

With all the ideas recorded on a large wall graphic, the participants were then asked to prioritize the best ideas. In order to prioritize the actions, each participant was provided with ten stick-on dots and asked to place the dots on their top choices. (See Wallgraphic Transcription)

Finally, the participants were asked to brainstorm the consequences if we do nothing, and all their responses were recorded. The City of Reno representative presented what the city was going to do. The session concluded with participants writing down their commitment as to what they are going to do. (See Next Step)

Since this was the first time that the Education/Youth Programs was a breakout group topic at the Green Summit a slightly different process was used. The process is described in this report under "Education/Youth Programs."

Summary of Strategies and Actions

The following is a summary of the top three suggested short-term actions from all four of the breakout groups. These actions may be considered for the FY08/09 Green Initiative Action Plan:

- Require gray water/backwater split, plumbed together at exit as well as flush water/potable water separate plumbing
- Resolve conflicting City department priorities and requirements (assumed within Community Development)
- Provide a resource audit checklist for home owners (online and hard copy) and dollar incentives for improving/resolving resource consumption
- Implement a uniform plastic bag plan city-wide
- Develop a combination approach for bag option
- Move away from the Waste Management monopoly toward more competition
- Launch mobile recycling bins- pulled by pick-up trucks- like they have in Jackson Hole, WY, for apartments
- Facilitate commercial recycling program through Waste Management (or alternatives other than Waste Management)
- Reward businesses and individuals who use muscle powered or energy-efficient vehicles, examples: free parking for electric vehicles, front row seats and/or food tokens at Artown for cyclists
- Institute clockwise/counterclockwise buses on McCarran, Sierra Spirit size, every 15 minutes (not every route has to go into city center and city traffic)
- Eliminate street parking on one side of roads already designated bike routes on 2030 plan, paint curbs red, and only allow emergency vehicles and bikes. Paint bike lanes.
- Addressing and reducing materialism and consumption
- Providing green-job and green-internship opportunities for students
- Creating a garden at every school

GREEN BUILDING AND SIERRA GREEN GUIDELINES

The green building breakout session drew a wide range of participants from the region's building community. Topics that were covered included public policy, monitoring and curbing water and energy consumption, designing more green buildings and retrofitting existing ones, incentives and grants for green construction, as well as green building standards such as the Sierra Green Guidelines, Energy Star and LEED certification.



ATTENDANCE: 38

SPEAKERS

The expert speakers for this session were Ted Fuetsch, City Architect and Ric Licata, Principle Architect and Professor of Architecture at TMCC. Both are recognized by architects and the public as valuable resources for their profession and their communities.

LONG-TERM GOALS/ACTIONS/STRATEGIES

The group preferred to spend the majority of time considering short term objectives. The long term goals identified in the green building group included the following:

- Launch gray water permitting from Health Department
- Institute a graduated scale for water and power use
- Partner with educational resources: use available programs such as UC Davis; multi level training

SHORT-TERM GOALS/ACTIONS/STRATEGIES

This was a lively, knowledgeable and participative group. The recurring theme was the lack of cohesion between the different departments within the City of Reno. Each department works to its own agenda and as a result, seriously hinders action.



The short-term goals identified included the following in prioritized order:

- Require gray water/backwater split, plumbed together at exit. Flush water/potable water separate plumbing
- Resolve conflicting City department priorities and requirements (assumed within Community Development)
- Provide a resource audit checklist for home owners (online and hard copy) and dollar incentives for improving/resolving resource consumption
- Institute city-mandated construction waste recycling
- Examine efficiency of existing facilities verses "teardown" land filling (adaptive reuse, preservation verses new construction) determine embodied energy in existing buildings

- Improve and increase range of financial incentives
- Provide low interest loans from the City; foster citizen partnership for installation of solar and wind technologies where appropriate, with payback to property taxes like Berkeley, Santa Monica and others
- Promote photovoltaic-ready buildings: roof orientation, conduit run, inverter location
- Encourage more user-friendly recycling
- Promote solar hot water ready homes: pipes to attic (close/penetration), orientation
- Limit landscaping requirements or enforce more water efficiency
- Encourage subdivision designs with direct pedestrian and bike paths to adjacent retail centers
- Develop construction and demolition waste recycling capabilities
- Streamline ability to change and decrease the monopolization and resistance by utilities to allow inroads and improvements by the end users and consumers
- Prioritize green project building permits.
- Implement smaller road width requirements for cities

SINGLE STREAM RECYCLING AND PLASTIC BAG BANS

The recycling break out session began with presentations from Jason Geddes and John Sagebiel focusing on both Single Stream Recycling and Plastic Bag Recycling Alternatives.



Single Stream Recycling (SSR) was discussed among a list of options that the city may pursue in the future. In order to facilitate a discussion of the possible execution of a SSR program, the presenters explained the difference between the facilities needed to process recyclables, Clean Materials Recycling Facilities (MRFs) or Dirty MRFs.

The second major issue the groups focused on was plastic bag recycling. Four options for solving the problem of plastic bags filling the city’s landfills were discussed, including: voluntary bag recycling, mandatory bag recycling, banning plastic bags or emphasizing reusable bags.

At the conclusion of the presentation, the audience was asked to contribute to several posters containing key areas in which they wanted to see actions taken. These posters included the following recycling-related topics: dirty/clean MRFs, partnerships and collaboration, residential, government and business, single use bags/plastic bags/paper bags.

Recycling proved to be a hot topic, with participants raising a large number of ideas that they were extremely passionate about. Given the wide number of participant responses, moderators made the decision to replace voting on action items with an open time for participants to add their own items at once rather than voice them one by one in front of the group.

ATTENDANCE: 49

SPEAKERS

Former Nevada Assemblyman, Jason Geddes, is a fuels and environmental expert and is currently the Environmental Services Administrator for the City of Reno.

John C. Sagebiel, Ph.D. is the Environmental Affairs Manager at the University of Nevada, Reno’s Department of Environmental Health & Safety.



LONG-TERM GOALS/ACTIONS/STRATEGIES

The long term goals identified in the recycling group included the following:

- Reduce petroleum dependency
- Move away from single-use plastic items
- Create a compostable land-fill

- Organize large (for profit and non-profit) local events (i.e. the Reno Balloon Race, Rib Cook-Off, various walks, etc...) to provide recycling bins and mandate waste management for pickups
- Promote municipal composting in the city of Reno for restaurants, homes, hospitals, grocery stores, etc...
- Move towards dirty MRF
- Review the city of Reno's comprehensive environmental purchasing policy if one exists. Take a look at the federal executive order No. 13423 (number may not be correct)
- Develop a "Cradle to Cradle" concept – 1-stop plant VS. a landfill
- Encourage all apartment complexes to accommodate recycling
- Allow for yard waste & cardboard as part of recycling options

SHORT-TERM GOALS/ACTIONS/STRATEGIES

The short-term goals identified included the following:

- These actions were recommended regarding plastic bags:
 - Implement a uniform plan city-wide
 - Develop a combination approach for bag option
 - Devise a method to control use of plastic
 - Add plastic bags to curbside recycling program
 - Institute a deposit for bio-bags in order to offset cost
 - Promote multi-use
 - Develop a municipal composting program
- Move away from the Waste Management monopoly toward more competition
- Provide local drop-offs for recycling & composting
- Launch mobile recycling bins- pulled by pick-up trucks- like they have in Jackson Hole, WY, for apartments
- Facilitate commercial recycling program through Waste Management (or alternatives other than Waste Management)
- Enforce recycling by all city agencies (i.e. Plumas Tennis Center, City parks use a re-usable bin for paper recycling- not paper bags)
- Launch an education campaign
 - Recycling guides
 - PSAs
 - "How To's"
 - Explain what the government, waste management, etc. offer for recycling
 - How to reduce the amount of waste and recycling
- Explore collaborations between Reno/Sparks/Washoe and work together more
- Provide more incentives for recycling
- Move toward one bin for all recyclables

Transportation

The purpose of this session was to raise issues and suggest solutions for transporting residents and visitors in ways that are time and energy efficient, as least polluting as possible, and add to the aesthetic appeal of the community. The issues discussed were in four categories: Bikes and Pedestrians, Alternative Fuels, Transit Oriented Corridors/System Infrastructure, and Public Transportation. The main focus for each of the main issues was as follows:



- Bikes and Pedestrians - The important topics include finding ways to create safe infrastructure for bikers and pedestrians, while not causing increased challenges for drivers. The group discussed ways to balance the needs of all groups simultaneously, and maintain the highest safety possible.
- Alternative Fuels - The main focus was to find and use alternatives to fossil fuel and to use fossil fuels more efficiently.
- Transit Oriented Corridors/ System Infrastructure - This has to do with the best use of geography to accommodate multiple transportation modes: bikes, pedestrians, private and public vehicles
- Public Transportation – The primary focus was on the efficiency and access of existing and future forms of public transportation.

ATTENDANCE: 40

SPEAKER

The expert speaker for this session was John Flansberg, Deputy Director Maintenance and Operations in the Public Works; David Jickling, RTC Public Transportation Director; and Chris Louis, RTC Senior Traffic Engineer.

LONG-TERM GOALS/ACTIONS/STRATEGIES

The long term goals identified in the transportation group included the following in prioritized order:

- Add plug in stations around the city, by the City, for electric vehicles
- Ensure rapid transit has dedicated lane and is as attractive as light rail to commuters
- Replace road capacity with bike lanes and create a cycling master plan
- Compile comprehensive and detailed inventory of bike paths, facilities, and trailheads before decisions are made.
- Research and evaluate elevated light rail options
- Encourage more xeriscaping, trees, and flowers along highways and thoroughfares
- Replace road capacity with transit, mixed use for bike and pedestrian



SHORT-TERM GOALS/ACTIONS/STRATEGIES

The short-term goals identified included the following in prioritized order:

- Reward businesses and individuals who use muscle powered or energy-efficient vehicles, examples: free parking for electric vehicles, front row seats and/or food tokens at Artown for cyclists
- Institute clockwise/counterclockwise buses on McCarran, Sierra Spirit size, every 15 minutes (not every route has to go into city center and city traffic)
- Eliminate street parking on one side of roads already designated bike routes on 2030 plan, paint curbs red, and only allow emergency vehicles and bikes. Paint bike lanes.
- Provide solar electric charging stations
- Vote for RTC measures
- Promote safety, cleanliness, desirability of mass transit
- Impose maximum city speed limit of 55 mph (cars much less efficient above 55, emissions rise rapidly)
- Implement and encourage “Park and Ride” for transit and bikers

Education/Youth Programs – University of Nevada Academy for the Environment/Envirolution

This was the first time the Education/Youth Programs was a breakout group topic at the Green Summit. The session began with three rotations of small group discussions in order to generate major themes. For each rotation the participants discussed their ideas in a collaborative setting. After the third rotation a scribe, who remained in the group synthesized and reported their top three themes to the larger group. Themes were recorded on a large wall graphic paper. This was followed by a short presentation by a speaker in the field.

Following the expert presentation, the individual participants were asked to identify programs and actions for consideration in the City of Reno’s sustainability action plan. All actions and ideas were recorded on large wall graphic paper. In order to prioritize the actions, each participant was provided with ten stick-on dots and asked to place the dots on their top choices for actions. (See Wallgraphic Transcription)



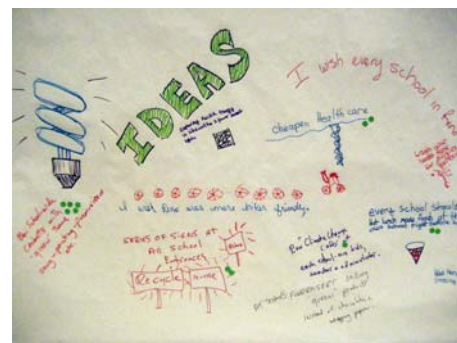
Next, the participants were asked to brainstorm the consequences if we do nothing, and all answers were recorded. The City of Reno representative, Liz Bowen, presented what the city was going to do. The session concluded with individuals writing down a commitment as to what they are going to do. (See Next Step)

ATTENDANCE: 28

SPEAKER

The speaker for the Education/Youth Programs was Alex Gamboa, co-founder of Envirolution. Alex is committed to encouraging green practices in personal and business settings, and he is passionate about working with youth and has volunteered with a variety of youth groups.

Alex began his presentation with the following quote, which captured the main purpose of the breakout session - “Youth leadership in sustainability could not be more critical to the success of our human species. They have the most to lose and the most to gain in our transition to a natural systems society. Fortunately, I am utterly convinced that they have the intelligence, drive and courage to succeed where previous generations have not.” -- Scott Badencoch, CEO, Creative Citizen. Alex presented success stories on how campuses, high schools and youth organizations are leading the way for a sustainable future. He also presented what youth leadership in the Reno/Tahoe community is currently doing, and he concluded with available local opportunities for the participants to take action.



PRIMARY STRATEGIES AND ACTIONS

The top strategies identified in the Education/Youth Programs included the following:

- Addressing and reducing materialism and consumption
- Providing green-job and green-internship opportunities for students
- Creating a garden at every school
- Increasing local food production for schools
- Networking with surrounding cities to encourage youth involvement
- Creating a Student Congress – encouraging student involvement in local government; City of Reno and UNR government get together to establish unified goals
- Creating a website for student and parents to learn together about sustainability with games as well as information

SECONDARY STRATEGIES AND ACTIONS

The secondary strategies identified in the Education/Youth Programs included the following:

- Reduce, Reuse, Recycle – Provide direction and have a real recycling plan for schools
- Create public awareness programs, starting with kids touring a water treatment plant
- Create better and more paths for walkers and bikers; motivate children and youth to use public transportation; foster collaboration between different age students (high school/ college, elementary)
- Develop green job training for youth (especially in low-income areas)
- Institute youth education to get kids involved, starting with sustainability education in pre-school
- Launch “green” school fundraisers – stop selling junk to support our schools, do something green, sell “green” products instead of chocolate and wrapping paper

APPENDIX – WALLGRAPHIC TRANSCRIPTION

Green Building

of
Dots **Main Issue: Policy**

Short-Term Ideas and Action Items

- 15 Resolve conflicting agency priorities and requirements
- 12 Recycle construction waste. The City should require this
- 8 Photovoltaic ready buildings: roof orientation, conduit run, inverter location
- 7 User-friendly recycling
- 7 Solar hot water ready homes: pipes to attic (close/penetration), orientation
- 6 Streamline ability to change and decrease the monopolization and resistance by utilities to allow inroads and improvements by the end users and consumers
- 2 Options and flexibility to go green
Priority permitting and C of O for green buildings. Adopt minimum energy and water usage standards for new subdivisions and houses
Streamline red tape for hooking solar into grid

Long-Term Ideas and Action Items

Gray water permitting from Health Department

Biggest Concerns/Roadblocks

City departments not working together- always working in competition

Main Issue: Water and Energy Consumption

Short-Term Ideas and Action Items

- 21 Gray water/backwater split, plumbed together at exit. Flush water/potable water separate plumbing
- 7 Make more water efficient or limit landscaping requirements
- 4 Storm water usage improvements
- 3 Introduce legislation to encourage low turf/no turf landscaping with native and acclimated plants, trees, shrubs
- 3 Provide education and incentives to prevent the over watering of lawns (water running into streets)
- 2 Require energy audit inspections, energy, water
- 2 Planners for home-owners for choosing windows: size and placement
- 1 Require hotels to use keyed lights in rooms

Long-Term Ideas and Action Items

Graduated scale for water and power use

Biggest Concerns/Roadblocks

None identified

Main Issue: Design and Retrofit

Short-Term Ideas and Action Items

- 14 Provide a resource audit checklist for home owners (online and hard copy) and dollar incentives for improving/resolving resource consumption
- 9 Examine efficiency of existing facility versus “teardown” land filling (adaptive reuse, preservation versus new construction) determine embodied energy in existing buildings
- 3 More thoughtful “future oriented” design - build it smaller! Don’t replace when not necessary: retrofit. Just because it is more energy efficient in resources used to operate doesn’t mean the resources to produce it aren’t wasteful
- 3 Use performance contracting to finance additional cost to build to at least LEED ‘Silver’ level
- 2 Assistance with building permits for retrofits. Make the process easier
- 1 Portable Improvements
 - Retrofit hotel rooms with key activated light and cooling systems
 - More LEED design with better compliance through inspection and certification

Long-Term Ideas and Action Items

None identified

Biggest Concerns/Roadblocks

Obtaining building permits for green building and for retrofits is complex and time consuming

Main Issue: Incentives and Grants

Short-Term Ideas and Action Items

- 9 Improve and increase range of financial incentives
- 8 City to provide low interest loans. Citizen partnership for installation of solar and wind where appropriate with payback to property taxes like Berkeley, Santa Monica and others
- 6 Put building permit for green projects at the head of the line. Receive priority.
- 6 City to have smaller road width requirements
- 3 Specific City incentives for Sierra Green Builders
- 3 Density bonuses
- 3 Low income facilities and affordable housing
- 1 Individual incentives for commercial power generation
- 1 Incentives for BANN communities
- 1 Power pricing and net meter pricing based on time of day

Long-Term Ideas and Action Items

None identified

Biggest Concerns/Roadblocks

Lack of City support and commitment

Main Issue: Sierra Green Guidelines, Energy Star, LEED Homes

Short-Term Ideas and Action Items

- 8 Public education campaign to help stimulate inspiration
- 7 Subdivision designs with direct pedestrian and bike paths to adjacent retail centers
- 6 Work to develop construction and demolition waste recycling
- 3 Central plants for new development of high density housing
- 3 Reduce cost of LEED and Sierra Green certification
- 2 City should adopt guidelines, require guidelines for all City projects, City funded projects
- 1 Support of all options/proposals by City of Reno

Long-Term Ideas and Action Items

Education: use available programs such as UC Davis; multi level training

Biggest Concerns/Roadblocks

None identified

Recycling

Single Use Bags, Plastic Bags, Paper Bags

Short Term Ideas and Action Items

- Reusable
 - Where are these made?
 - Charge for paper + plastic
 - Emphasize canvas bags w/city subsidy
 - Bio-bags -> deposit
- Banning
 - Need to be specific
 - Possibly ban thin plastic bags
 - Not enough material for compostable bags in the world
- Voluntary
 - Will people use the store bins?
- Actions
 - Uniform plan city-wide
 - Combination approach for bag option
 - Method to control use of plastic
 - Add plastic bags to curbside recycling program
 - Deposit for bio-bags to offset cost
 - Promote multiuse
 - Need a municipal composting program

Long Term Ideas

- Get off Petroleum
- Move away from single-use
- Compatible land-fill

Government & Business

Short Term Ideas and Action Items

- Local drop-offs for recycling & composting
- Mobile recycling bins- pulled by pick-up trucks- like they have in Jackson Hole, WY, for apartments
- Commercial recycling program through Waste Management (or other alternatives other than Waste Management)
- All city agencies should recycle (i.e. Plumas Tennis Center, City parks use a re-usable bin for paper recycling- not paper bags)
- Kudos to
 - Longs Drugs for recycling household batteries
 - Home Depot for recycling CFL light bulbs
 - Convention Center for recycling

Long Term Ideas

- Mandate large (for profit and non-profit) local events (i.e. the Reno Balloon Race, Rib Cook-Off, various walks, etc...) to provide recycling bins and mandate waste management for pickups
- Municipal composting in the city of Reno for restaurants, homes, hospitals, grocery stores, etc...
- City of Reno
 - Purchasing 250 miles
 - Coty sponsored events have compostable dishes & cutlery
 - Send to Full Circle or work w/Reno composters
- Single Stream in Reno!

Dirty MRFs & Clean MRFs

Short Term Ideas and Action Items

- Dirty MRFs
 - Easier for adoption
 - Increases Recycling

Long Term Ideas

- Eliminate Landfills
 - Look at waste as a resource
- Move towards dirty
 - Support from several people
- Does the city of Reno have a comprehensive environmental purchasing policy? Take a look at the federal executive order No. 13423 (number may not be correct)

Partnerships and Collaboration

Short Term Ideas and Action Items

- Education Campaign
 - Recycling guides
 - PSAs
 - “How To’s”
 - Explain what the government, waste management, etc. offer for recycling
 - How to reduce the amount of waste and recycling
- Need to explore collaborations
- Reno/Sparks/Washoe work together
 - Educate the public about what resources are available
- It’s a group effort

Long Term Ideas

- Legislative
 - Bottle bill
- Compost
 - Community garden
 - UNR has manure yard waste
 - Restaurants
 - Parks
 - Landscapes
- Plugs
 - Populationconnection.org
 - Check out savetheplasticbag.com for myths on plastic
 - Roplast.com for ASTM standards
- Waste Management
 - Making money on our recycling
 - Not Proactive
 - Do a citizen survey
 - What are our needs?
 - Doing single stream for Whole Foods?

Residential

Short Term Ideas and Action Items

- Need better education on what plastic can be recycled
- More incentives for recycling
- Deposits on drinking containers
- Rebates since Waste Management sells recyclables
- Pay as you throw
- Curbside cardboard pickup
- Curbside yard waste pickup with compost program

- One bin for all recyclables
- Apartment complex recycling programs
 - Require space for bins in all new apartment complexes
- 1 Central location
 - All recyclables
 - Used clothes drop-off
- Charge or fine for not recycling
- Cardboard recycling – curbside
- Green waste containers curbside

Long Term Ideas

- “Cradle to Cradle” concept – 1-stop plant VS. a landfill
- Encourage all apartment complexes to accommodate recycling
 - Work with the city and county planning departments to require it in city zoning ordinances
- How to let elected officials know constituents want improved recycling so their political will is there to vote for change?
- Yard waste & cardboard discussed in last year’s summit action list?
- Cardboard- regional dumpsters in parking lots
- What do we do with Styrofoam?
- What will we do with all of our old TV’s next year?

Transportation

of **Main Issue: Bikes and Pedestrians**
Dots

Short-Term Ideas and Action Items

- 10 On roads already designated bike routes on 2030 plan, eliminate street parking on one side & other, paint curbs red, and only allow emergency vehicles and bikes. Paint bike lanes.
- 5 Park and ride for bikes driving to bike lanes
- 4 Bike stations-KIOSKS
- 4 Pyramid Hwy—off highway bikeways, even for all roads 55 and above
- 2 Share-the-road signs w/ picture of bike
- 2 Mayberry restriping continued
- 1 Target list of urban roads for retrofit
- 1 Smaller N/S road designated “local traffic only, 15mph”
- 1 Safety improvements (more signs, overpass for busy intersections)
- 1 Improve surface conditions of roads (frequent sweeping)
- 1 Bike racks, bike storage at bus stops
- 1 Increase bike lanes throughout area, ticket cars in lanes

Long-Term Ideas and Action Items

- 8 Replace road capacity w/bike lanes and create a bike master plan
- 8 Need for comprehensive and detailed inventory of bike paths, facilities, and trailheads before decisions can be made.
- 2 Road diets, where feasible, in general. (Wide roads aren't pedestrian friendly)

Main Issue: Alternative Fuels

Short-Term Ideas and Action Items

- 10 Solar electric charging stations
- 3 More alternative fuel choices available to public
- 2 (2) RTC could share CNG fueling with public users or interested fleets
- 2 Propane vs. comp1A vs. infrastructure

Long-Term Ideas and Action Items

- 12 Plug in stations around the city, by the City, for electric vehicles
- 3 Feasibility study on alternative fuels In Truckee Meadows (consider environmental impacts), electric, CNG, ethanol

BIGGEST CONCERNS/ROADBLOCKS

That electric cars here would be using coal-based energy from Tracy/Clark—no net gain away from fossil fuel

Main Issue: Transit Oriented Corridors/ System Infrastructure

Short-Term Ideas and Action Items

- 12 Reward businesses and individuals who use muscle powered or efficient vehicles, examples: free parking for electric vehicles, front row seats at Artown if you ride a bike, food tokens)
- 8 Vote for RTC measures
- 5 City limit maximum speed limit of 55 mph (cars much less efficient above 55, emissions rise rapidly)
- 3 Priorities investments as incentives
- 4 More park and ride, especially smaller vans, with adequate parking facilities served by transit
- 2 No Winnemucca ranch development

Long-Term Ideas and Action Items

- 10 Ensure rapid transit has dedicated lane and is as attractive as light rail
- 6 More trees, flowers, xeriscaping
- 5 Replace road capacity with transit, mixed use for bike and pedestrian
- 3 Elevated light rail
- 2 Study cost per person to provide transit/BRT, light rail, streets and highways

Main Issue: Public Transportation

Short-Term Ideas and Action Items

- 12 Clockwise/counterclockwise buses on McCarran, Sierra Spirit size, every 15 minutes (not every route has to go into city center and city traffic)
- 8 Vote for RTC 2
- 9 Promote safety, cleanliness, desirability
- 5 Park and ride for transit and bikers
- 4 Promote Sierra Spirit and future Green Summits
- 3 Express and cross town buses, smaller buses for low ridership routes
- 2 McCarran loop route
- 2 Encourage employers to offer subsidies for public transit, or provide van pools
- 1 Community bikes or electric cars for borrowing

Long-Term Ideas and Action Items

- 7 Elevated light rail
- 3 Develop alternative transit for 25% left out (not served) by buses
- 2 rain connecting outlying towns/cities

Education/Youth Programs - University of Nevada Academy for the Environment/Envirovolution

of Dots Means to Youth Education

- 11 Create a website for student and parents to learn about sustainability. Include games as well as information.
- 10 Create public awareness program, starting with kids about treated water; Have all students a tour water treatment plants
- 7 Youth education to get kids involved, start sustainability education in pre-school
- 7 Green School Fundraisers – stop selling junk to support our schools, do something green, sell “green” products instead of chocolate and wrapping paper
- 6 Use local media partnering with students to increase education; Community sponsored programs; Better use and education of SNCAT & KJIV
- 4 Run school-wide “green issue” contests for the arts - song, painting, poem, videos, writing
Eco-friendly goods for students
Give credit for green classes

Curriculum Topics for Youth Education

- 27 Address and reduce materialism and consumption
- 7 Influencing teacher regarding pressing environmental world issues
- 2 Eliminate disposability mentality
- 1 Increasing global warming in school curriculum that leads to action
Educate students about fire safety

Network with Others

- 15 Network with other surrounding cities to encourage youth involvement
- 11 Create a Student Congress – Provide student involvement in local government; City of Reno and UNR government get together to establish unified goals
- 8 Foster collaboration between different age students (high school/ college, elementary)
- 1 Run “Climate Change Cafes” in schools where students and faculty can talk together
Student Input meetings to overcome apathy

Training

- 18 Provide green-job and green-internship opportunities for students
- 8 Green job training for youth (especially for low-income areas)
- 2 Implement service learning programs and projects

Food in Schools

- 18 Create a garden at every school
- 15 Increase local food production for schools
- 6 Provide healthy local foods for school children; stricter standards for health
- 2 Every school should make hot fresh lunch at their own school right before lunch;
carbon footprint stamps on food

Recycling in Schools

- 10 Reduce, Reuse, Recycle – Provide direction and have a real recycling plan for schools and businesses
- 4 Have a series of signs at entrances of all school so kids see them
- 2 Improve ability to recycle; Increase recycling in schools; broaden range of materials which can be recycled - especially cardboard
- 1 Educate on what can and can't be recycled
“Bottle Bill” – allow NV to get money for recycling glass

Transportation

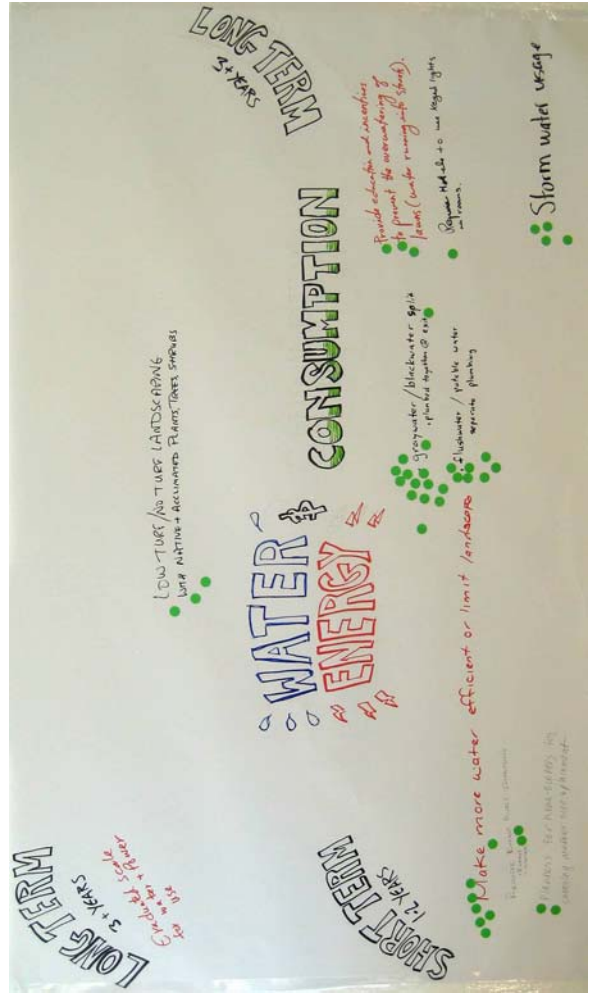
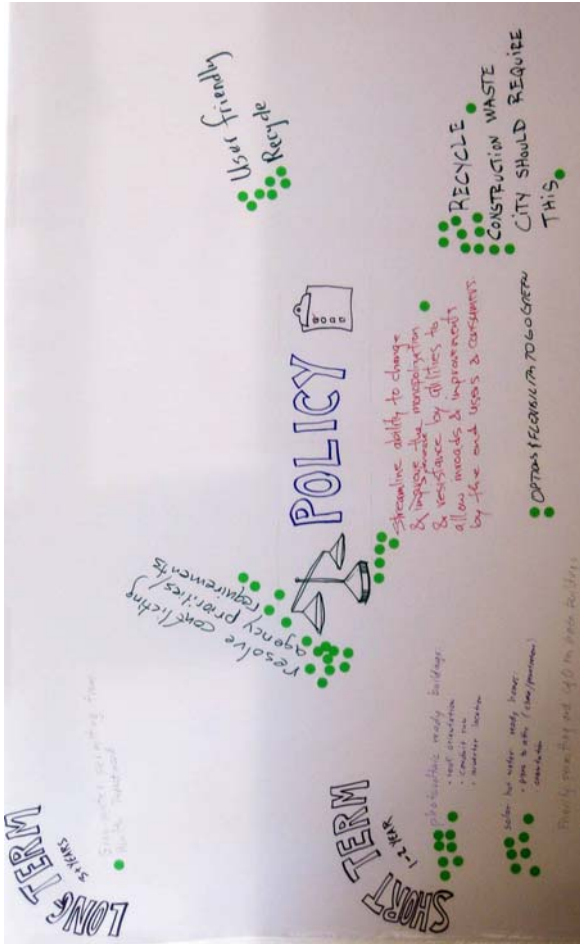
- 10 Create better and more paths for walkers and bikers
- 10 Motivate children and youth to use public transportation by providing better bike paths and busses

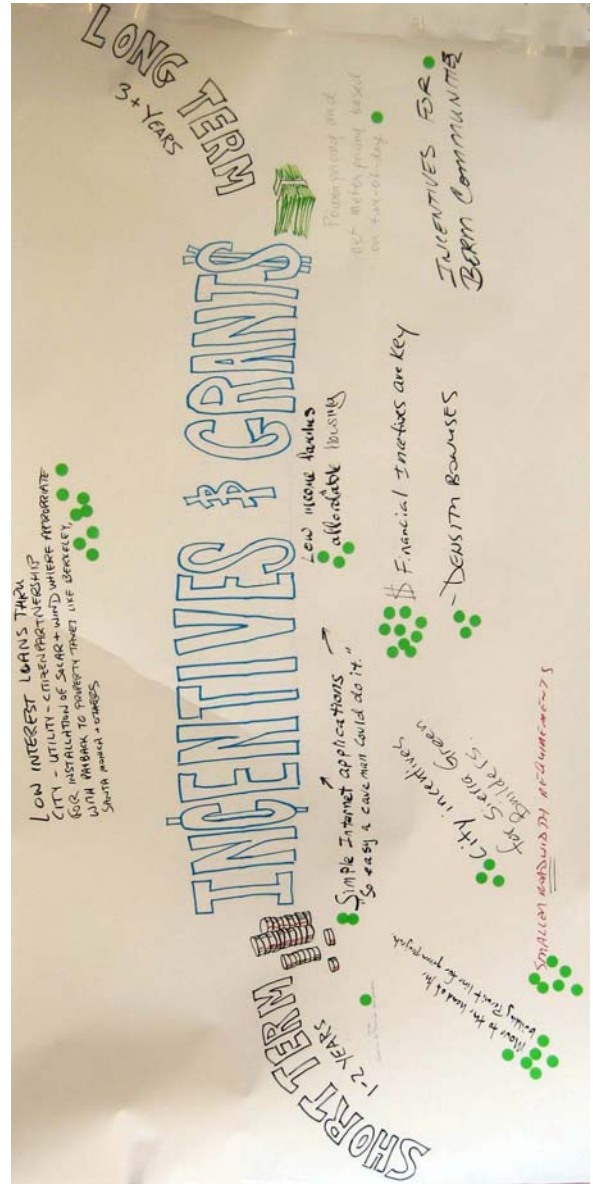
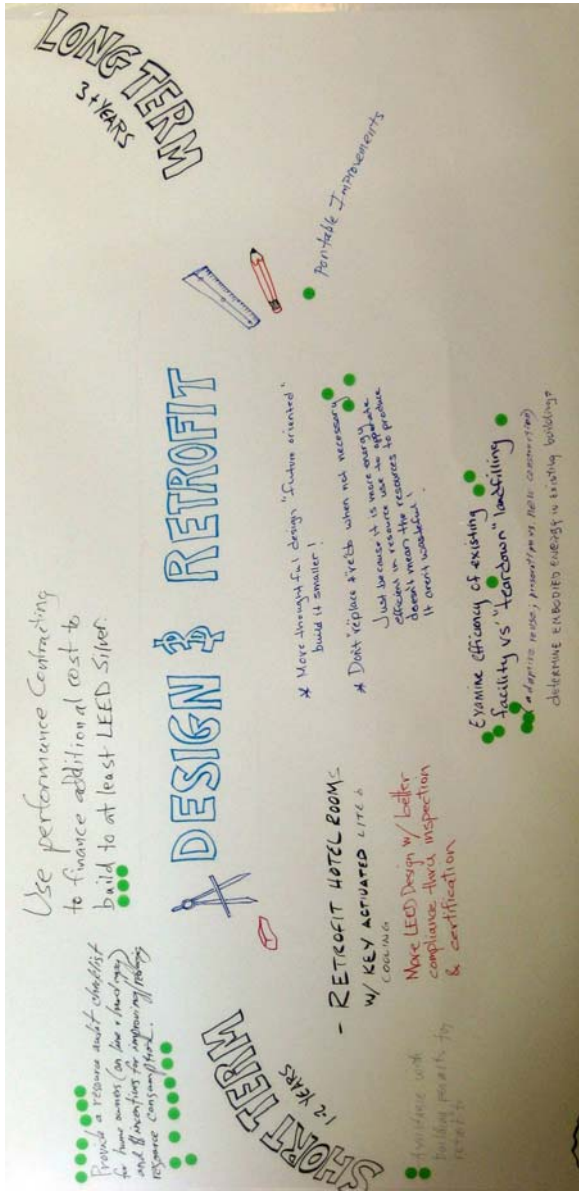
Other Issues and Ideas

- 9 Increase size of Rancho San Rafael Park as a public and open and free park
 - 5 Resolve issues and improve relations with waste management
 - 5 Real solar roof's on schools like in Gerlach, rather than "token" ones
 - 2 Cheaper health care
 - 1 Create a true viable water plan; all the water in the world is here now; lessen the drinking problem
 - 1 Explore wind energy
- Increase number and quality of parks and maintenance
- Capturing kinetic energy in sidewalks and power street lights
- Quality of life - No more smoking; Wash your hands more for allergies; Make streets safer; Hold hands with children crossing the street
- Stop polluting the air by driving there because it gives off gas that creates polluted air
- Compost needs to happen

APPENDIX – BREAKOUT GROUP PHOTOS

Green Building







Single Stream Recycling and Plastic Bag Bans

DOES THE CITY OF RENO HAVE A COMPREHENSIVE ENVIRONMENTAL PURCHASING POLICY? TAKE A LOOK AT THE FEDERAL EXECUTIVE ORDER NO. 13123/CLIMATE AND THE EPA'S COMPREHENSIVE PROCUREMENT GUIDELINE.

LONG TERM (3+ years)

- Eliminate landfills
- Look for waste as a resource
- Move towards dirty
- Support from social people

SHORT TERM (1-2 years)

DIRTY MRF
CLEAN MRF

Dirty MRFs

- Easier for adoption
- ↑ increases recycling

LONG TERM (3+ years)

- Get off petroleum
- Move away from single-use
- Compostable landfills

SHORT TERM (1-2 years)

Reusable

- Where are these made?
- Change for paper + plastic
- Emphasis canvas bags by City Subsidy
- Biobags - reduct

Banning

- Need to be specific
- Possibly ban thin plastic bags
- Not enough material for compostable bags in the world

Voluntary

- Thin people use the store bags?

Mandatory

SINGLE USE BAGS
PLASTIC BAGS
PAPER BAGS

Actions

- Uniform plan city-wide
- Combination approach for bag option
- Method to control use of plastic that stores use?
- Add plastic bags to curbside recycling program
- Deposit for Biobags to offset cost
- Promote multi-use
- Need a municipal composting program

LONG TERM 3+ years

- CRADLE TO CRADLE® CONCEPT 1-STOP PRINT VS. LANDFILL

SHORT TERM 1-2 years

RESIDENTIAL

Let the recycling be more friendly

- RECYCLE ALL PLASTICS, NOT JUST #1 & #2'S!
- DEPOSIT ON DRINK CONTAINERS
- APARTMENT COMPLEX RECYCLING PROGRAMS
 - REQUIRES SPACE FOR MANAGEMENT
 - CONTROL LOCATION
 - ALL RECYCLABLES
 - USE CONTAINERS THERE
- One Bin
 - REBANK BECAUSE WM SELLS RECYCLABLES
 - Ways you know
 - PICK UP CANS/BOTTLES CURBSIDE
 - WASTE M/COMPOST PROGRAM

Encourage all apartment complex to be committed recycling. What if city & county planning dept. to require it in city zoning ordinances.

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LONG TERM 3+ years

Waste Management

- Make money on our recycling
- Do a citizen survey - what are our needs?
- Doing Single Stream for whole Foods

Community is in charge of recycling. It's not the city's job. The city is just the provider of the service.

PARTNERSHIPS & COLLABORATION

population connection.org

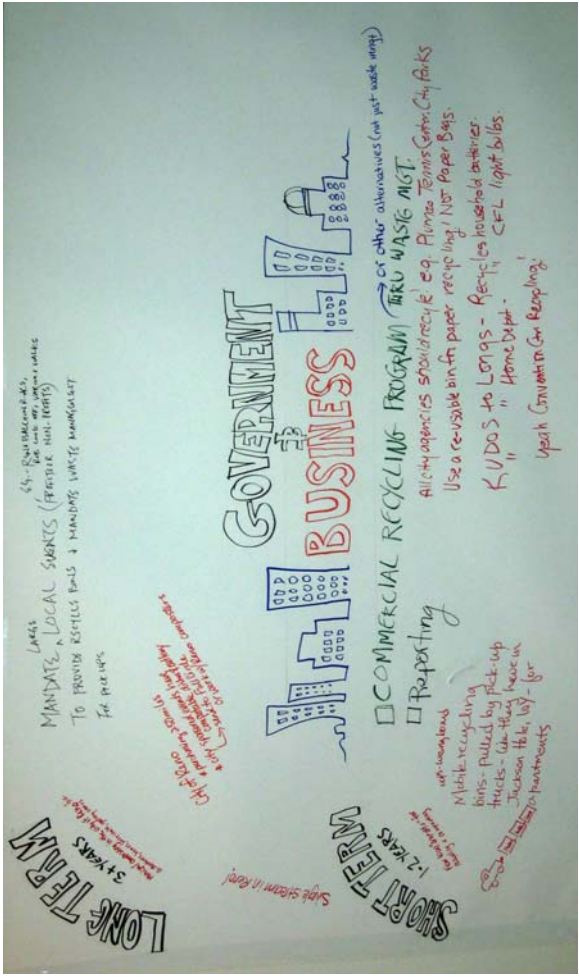
- Legislative
 - Bottle Bill
- Need to explore collaborations
 - RenosParks/WASTE WORK TOGETHER - EDUCATE ABOUT RESOURCES
- It's a group effort
- Education Campaign
 - RECYCLING GUIDES
 - PSAs
 - HOW-TO'S
 - WHAT GOES WITH WHAT OFFERS
 - HOW TO REUSE: PART OF WASTE THEORY

check out SoveetiePlastic.org for info on plastic

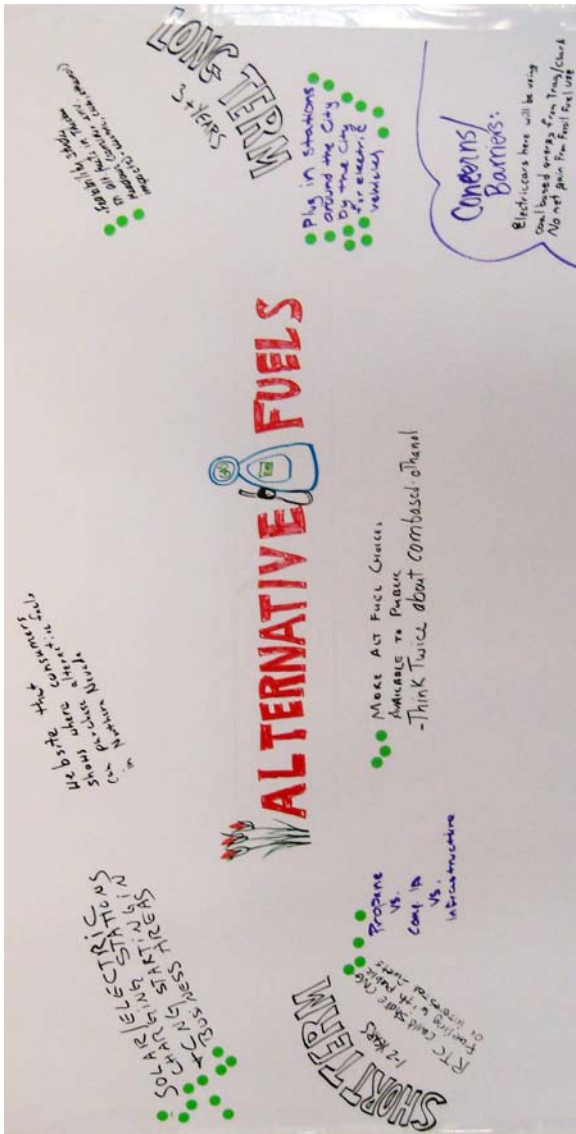
Poplast.com for ASTM Standards

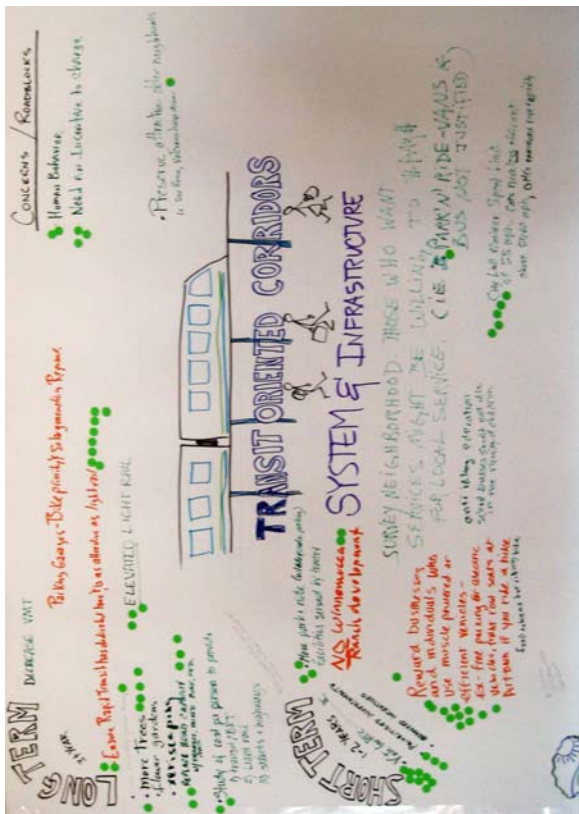
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Poplast.com for ASTM Standards



Transportation





Education/Youth Programs - University of Nevada Academy for the Environment/Envirolution

LONG TERM (5+ years)

- Student input meetings
- Student involvement in local government
- Start sustainability education in preschool
- Implement service-learning programs
- Eco-friendly goals for students
- Recycle issues w/ waste management

SHORT TERM (1-2 years)

- Better transportation for students
- Provide healthy local foods for school children
- Community gardens
- Use local media partnering with students to increase **fresh hot lunch** (and not increased)
- Increase green awareness in school curriculum, their hands on ACTION
- Increase relations with waste management
- Increase ability to recycle
- Increase # quality of parks & minimize dog feces
- Provide a website for student and parents to learn about sustainability
- Foster collaboration between different age students (high school/college/elementary)
- Signs at entrances to all schools (reduce-recycle-reuse) **THANK YOU!**
- Green school fundraisers (stop selling junk to support things our schools do)

LONG TERM (5+ years)

- Eliminate disposability mentality
- Overcome apathy among high school students
- Reduce materialism/consumption
- Quantity of life
- Community education
- Better use of education (SUNCAFT, KJIV)
- Increase local food production for schools
- Increase recycling in schools broader range of materials which can be recycled
- Reduce, Reuse, Recycle - Provide instruction on what can/can't be recycled
- Responsibly cardboard
- Create a water plan
- Public education
- Youth education - get kids involved
- Explore wind energy

LONG TERM (5+ years)

- Run climate change "cafes" in schools where students & faculty can talk together
- Create a website for student and parents to learn about sustainability
- Provide green-job/green-internship opportunities for students
- Create a garden at every school
- Student housing near public transportation
- Educate students about fire safety
- Address materialism/consumption
- Carbon Recycling
- Get youth involved - starting projects
- Green job training (eg for low-income areas)
- Service learning projects
- Influence teachers to free up class time
- Credit for green classes

SHORT TERM (1-2 years)

- Run green issue contests for the arts at the school (video-making, writing)
- Signs at entrances to all schools (reduce-recycle-reuse) **THANK YOU!**
- Green school fundraisers (stop selling junk to support things our schools do)

APPENDIX – MISCELLANEOUS

CONSEQUENCES: WHAT IF WE DO NOTHING?

- Entropy continues to increase
- Loss of natural resources
- Too much garbage
- More problems created with less solutions
- Destroys the local economy
- More dollars spent on fixing bigger problems
- More pollution
- More climatic change
- Lower life expectancy. Surpassing carrying capacity leading to more deaths
- Communities die
- People will re-think bringing children into the world
- Not safe, less wildlife, more fires, less skiing, more wars, run out of space

CITY COMMITMENT: WHAT WE ARE GOING TO DO?

- Full report posted on the City website
- FY 08/09 Draft Action Plan will be finalized based on results from today
- List of accomplishments to be posted end of next fiscal year (July 2009)

PERSONAL COMMITMENT: WHAT ARE YOU GOING TO DO?

- Grow more food and share with neighbors
- Reach more kids and teach them about sustainability, conservation and energy conservation. They are the future and our hope
- Support my high school Envirolution club
- Create a café on campus supporting local food, activities, art, etc.
- Work with the Green Earth Club at Davidson Academy and volunteer to help the City's Green Team
- Work with the youth regarding a green process
- Get a recycling program for Virginia City
- Have a skateboard competition revolving around the environment
- Recycle, start compost, start a youth club, and eat organic
- Continue to eat less meat
- Continue to develop opportunities for youth in sustainability efforts and education
- Encourage youth leadership to work on all of the issues discussed here
- Volunteer at more events, use mass transit as much as possible, fully change out all light bulbs in my apartment, continue involvement in more summits, provide creative ideas and direction to my supervisors to be greener
- Become more involved.
- Consume less

- Use less water on campus
- Replace more light bulbs
- Change out the old bulbs with energy efficient ones. Reprogram heating for winter
- I am going to help educate others of simple green solutions
- Check out BANN Green Building programs
- Change light bulbs
- Ride my bike
- Compact flos, electric lawn mower, set back thermostat
- De better recycling at work (Sierra Nevada College)
- Build energy independent homes as new career. One at a time
- I'm going to change to more LEDs
- Put solar panels on my roof
- Use all CFL's
- Walk more
- Begin with change of light bulbs, eliminate turf, bicycle more

HOTLINE COMMENTS

- Low interest loans to install solar and/or wind as appropriate in both residential and commercial properties. This would involve the City of Reno, Sierra Pacific and citizen education.