

PROCEEDINGS from the

**Gimli and Area
Community Workshop
On Climate Change**



Tuesday, April 27, 2004
Misty Lake Lodge and Conference Center, Gimli

Climate Change. Are you doing *your bit?*

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I. Notes from Roundtable

Question 1: What is your interest in climate change?

Question 2: What question do you want and answer to over the course of the day?

Question 3: What resources are available locally?

Question 4: What activities can you share from the sector you represent?

- I want to know, does our effort mean that we “little people” are responsible? How much are the “big fish” responsible?
- I have family in the US living in desert regions. I want to know how long it will take for these regions to grow.
- To learn how much more CC will affect the world, vs. natural change.
- To learn which provinces are the most affected by what is going on.
- As a teacher, I have a vested interest in learning what the government will provide as a curriculum.
- To learn about rural initiatives.
- To find out what an individual can do to help.
- I am interested in the large picture, and update on Kyoto, measurements for CO₂ today, and in the past.
- I want to know how CC will affect us and what we can do.
- I’m here to promote the One Tonne Challenge.
- I’m looking at the other side of the issue; what can we do to adapt to the changes.
- I want to know what I can do to get myself, and others involved.
- I am here with my environmental studies class, and a member of our Enviro Club. I want to know what we are doing *now* that affects CC.
- I want to know what I can do as a teen.



Cheryl Bailey, Gimli High School's Environmental Studies teacher, listens to the opening Roundtable comments.

- We are hosting events with Iceland to educate about hydrogen fuel technology and geothermal energy.
- I've signed the Understanding Manitoba memo.
- I am from a fishing family, and I'm interested in the state of Lake Winnipeg, and would like to remind people that what they do to the land, they do to the water. I'm glad to see so many young people here.
- I'm with the school's Enviro Club and Environmental Studies class.
- I'm a Forestry Manager. I'd like to continue taking in and sharing more information. Our view is that anything we long now, we replace tomorrow; long term planning in forestry.
- I'm looking for the full picture on Environmental Health.
- I'm with Intergovernmental Affairs, and interested in the science of CC. We're a skeptical group, so I'm looking for *good* science.
- I'm from a home schooling family. Together with a local group of home schoolers, we are involved with a project converting an unused lot to a useable space, concentrating on local species of plant and animal life.
- I'm with Manitoba Hydro and part of the Power Smart Initiative.



Information on emissions and impacts, energy efficiency, alternative energy solutions, municipal funding opportunities -- and much more -- is available at every community workshop.

Climate Change Connection's answers to questions and concerns:

- *Desert regions are spreading. It has been noted, but we don't have that info here. US Environment Protection has that info.*
- *Nature vs. enhanced: natural greenhouse effect is beneficial and accommodates life on earth. Enhanced greenhouse effect (human caused) has a destabilizing effect.*
- *The differences between now and the past: there has been more temperature change in the last 100 years than in the last 1000 years. It is the rate of change that is so different in this case. Yes, there have been climate fluctuations in the*



- past, but they took place over thousands of years, as opposed to within a century. The rate of change in the last twenty years is unlike anything ever recorded.*
- *Gradual change is adaptable; with accelerated change, the transitions occur too fast for plants and animals to adapt.*
 - *The most impacted regions of Canada are actually the territories. They are seeing changes first, and they are being felt the most severely in the arctic. The video, “Sila Alangotok: Inuit Observations on Climate Change” explores these changes in detail – it can be mailed out from the Alice Chambers Library at the Manitoba Eco-Network free of charge.*



Jennifer Duggan, Manager of Climate Change Connection, answers questions raised during the opening Roundtable at the Gimli and Area Community Workshop on Climate Change.

- *On March 1st, the government completed a curriculum using a \$160 thousand grant that is Manitoba-focused. This curriculum will be provided in the future.*
- *Kyoto and CO₂ management: we have ratified the accord here, but at the UN level, they need 55% of the countries with 55% of emissions. It now hinges on if Russia ratifies, and we won't know for quite a while. The Montreal Protocol – a similar document originally signed in 1987 -- has been very successful, but it is a tough time, politically.*
- *Forests: The southern boundaries are moving up, but the northern boundary can't – it doesn't have the soil base needed. There will be a net loss, and we are losing the lungs of our planet.*
 - *South Thompson has a test site where they are recreating the climate of 100 years ago in white and black spruce. It's a 5-year experimental trial to try and ensure we have a healthy forest 100 years from now.*

II. Notes from Brainstorming Session on Climate-Friendly Living

Question 1: What is your reaction to this info (both impacts of CC & personal emissions)? Most surprising? Most interesting?

- We will have to fall back on environmental practices, old ways – carpool, corner stores, walking – BUT I can only get carrots from California!
- I am guilty of idling – I start it from inside. I'll stop that.
- Health issues – so important, but we don't think of it enough.
- Many business opportunities out of this, we should be looking at small businesses, how we micromanage environment issues well.
- Housing issues? What about the space we are using? The occupancy has dropped, but we're using the same resources. Our development habits, clustered communities vs. scattered...
- School buses in rural communities are big and the exhaust is so bad, you need to hold your breath. What is the impact of that?
 - *Fort La Bosse School Division had similar concerns and is very interested in biodiesel as a fuel alternative. You can use a 20% biodiesel mixture without making any mechanical changes to the vehicle, resulting in significant savings in emissions, particularly particulate matter.*
 - *You don't need to idle diesel vehicles as much as we do -- it's a myth that it takes more fuel to restart the vehicle.*
 - *There is a piece on efficient fleets on the Climate Change Connection website (www.climatechangeconnection.org/pages/fleets.html). It profiles the strategies used by Bison Transport. An excellent resource for fleet managers. There are also links to FleetSmart from the Office of Energy Efficiency and GreenTruck.*
 - *Brandon has a city bus that runs on 100% biodiesel. It was at the Brandon Rural forum.*

Question 2: Where do your personal emissions come from? What are the unsustainable habits that need to be addressed in order to become a more climate-friendly community?

- Better water heating technology. And insulating pipes leaving the tank.
- Shower instead of bath – use less water.
- Consumer choices – over packaging! Having a shelf full of choices doesn't necessarily make us any happier.
- Natural fibers – synthetics are much more damaging to the environment.
- Reusable lunch ware – garbageless lunch programs have been established in many schools and workplaces.
- Disposable diapers – very unfriendly to the environment; doesn't decompose.
- We buy whatever is in front of us – we have poor consumer habits.
- We can change. Individuals have choices. We can affect outcomes.



Question 3: How could you reduce the GHG emissions from your lifestyle?

- Community – bylaws and building codes.
- Cooperative lifestyles, use each other's skills and abilities, buy locally and encourage local exchange of skill and products.
- We are a resort community and we should let people use electric golf carts (see them in other areas, ex. Mexico, Cuba) – we need to approach officials to make changes. [Using golf carts on roads is not allowed here]
- We had rickshaws? What about walking or biking trails?
- Have a workshop on business opportunities from CC in this community.
- Large homes – we want to draw them here for taxes.
- Local area community recycling – we are behind other provinces, especially Alberta. I paid for my entire trip to Alberta with recyclables.
 - *Shoal Lake (pop. 800 people) – highest recycling rate in Canada, have a community recycling exchange, municipal composting, etc.*
- The waste oil collection facility is very active up north. We could do that here.



Percy Williams, an Economic Development Advisor for the Government of Manitoba, participates in the Brainstorming Session for Climate Friendly Living.

III. Questions & Comments, “Making Your Building Power Smart”

- The new hospital in Gimli received \$2100. It is considered a model of energy efficiency; the best in Manitoba, especially in regards to their chiller and their use of T5 lights and LED Exit signs.
- All of Evergreen School Division has converted to T8 lighting after complaints about students and office workers having headaches and feeling sluggish. After changing the lights, everyone felt better and livelier, with no more headaches.

Q. What about airtight windows and fresh air circulation?

A. *Energy audits have been done, and it's recommended to seal homes tight, then bring fresh air in when it's needed. Use air exchange units based on the square footage and number of people, and have controlled air flow. Air audits have revealed that an improperly sealed home has, on average, the equivalent of a hole 1.5 feet square, whereas a sealed home reduces that leakage to the equivalent of a few inches square.*

Q. Is it good to use old fridges?

A. *That old “beer fridge” in the basement uses \$15 a month in power! It's better to recycle it and use a new, small fridge, instead. Today's homes now have multiple TV's, computers, etc. Keep that in mind when it comes to appliances. You control what you buy.*

Q. What qualifies as commercial? What about places like churches?

A. *Anything but a residence is considered commercial.*

Q. Can these programs be combined with other federal programs?

A. *Yes.*

Q. Can you explain the differences in the types of lights?

A. *The T12 is an ordinary fixture of 2” diameter. The T8 is 1” in diameter. It requires a change in ballast, and changes the type of light, resulting in better light and energy use. The T5 is even smaller. It's U shaped, and is more energy efficient.*

Q. What about fluorescent lights at home? They cost from \$8 - \$20 a piece. The average home has 40-60 or more lights. This can be very expensive. Is there any help from Hydro with these costs?

A. *No. By using these lights, you are replacing 60 watts with 15 watts. We've find that they quickly pay for themselves. They last longer (and if they don't, most companies will replace it with a new one for free), and the prices are going down.*

Q. Do they fit into old fixtures?

A. *Yes, but make sure you do buy the right type.*



IV. Questions & Comments, “Earth Energy Heating/Cooling Systems”

Q. What do you think is a better air conditioner – an outside unit, or a window unit?

A. *An outside unit will cool the entire house, while a window unit will only cool one room. Which is better will depend on your needs.*

Q. How much does a geothermal system cost?

A. *Five years ago, it cost about \$20,000. Today, Hydro pays up to 50% of the 1st \$5000, and 25% of the rest, up to a maximum of \$10,000, plus there’s a 10% tax credit from the corporate income tax. Today, the cost averages about \$12,000, including labor. The maximum loan amount is \$15,000 with a maximum term of 15 years and a fixed interest rate of 6.5%.*

Q. Is the vertical system more efficient than a horizontal system due to the frost line?

A. *No, it has not been a concern.*

Q. What effects does this have on the land?

A. *If you have low water levels, a well-to-well system might have an effect, but it has never been an issue yet.*

Q. What is the environmental impact?

A. *The fluid used is non-toxic. If it leaks, it has no effect on the land. The digging has no effect on any natural environment, as it is on already developed land.*

Q. Do you have much take up on loans?

A. *Yes!! We’re swamped! Also, the loan can be attached to a mortgage with extra benefits.*

Q. Is the EnerGuide audit available for commercial?

A. *No, only residential.*

Q. What can a commercial or municipal office do?

A. *Contact MB Hydro and they will send someone over and get a feasibility study. For a more in depth report, you will need to hire a contractor.*

Q. How much more efficient is the current geo-systems compared with the ones installed 15 years ago?

A. *The motor itself is different and more efficient. They found that well-to-well systems corroded, to the pipes are now Teflon coated. There are minor changes, but the old systems still work fine.*

Participant comment: My air source system has worked as well at +40C as -40C



V. Questions & Comments, “Greening Municipal Operations”

Q. What is managing storm water with green roofs?

A. Companies can plant a rooftop “garden” that acts as a wetland; water collects on the roof and is released slowly. The water can be used, too. The benefit is that instead of rains overwhelming the storm sewer system and causing raw sewage to be released through overflow accidents, the extra water is retained and released in a manner that minimizes the drainage load on municipal systems.



Tony Pimentel, the Manitoba Hydro Energy Services Coordinator for Gimli and area, outlines the benefits of geothermal heating and cooling systems.

VI. Facilitated Discussion of Community Needs & Interests

Question 1: Do you think CC is important?

- Yes, I do. Mainly because of what we learn about global warming last year; working with green team, we found water levels were too low for aquatic life.
- Yes.
- Yes, definitely. Healthy lakes, forests, etc. – there are things we can do.

Question 2: What's your reaction to the strategies you heard about?

- I will be telling people about it.
- It's an easy thing to do, but we quite often forget, or are too lazy.

Question 3: What do you think would work here?

- If there were places to cycle or walk, we would use them.
- Put up No Idle signs at my work place.



Gimli High School students listen attentively to the discussion of community needs and interests.

Question 4: What ideas do you think would be successful?

- [Mexican exchange student] I really like that people are doing something; maybe I can talk about this back in Mexico. [Comments on poor environmental conditions at home]
- I like the golf cart idea for tourists and cottagers [rather than using cars for short trips].

- I think a combination of the golf carts & cycling for the summer, but we need something for the winter.
- We need accessible public transportation, such as shuttle buses, perhaps. It needs to be community-oriented and on a small scale; something between the various small communities.
- I agree; it's a challenge to individual responsibility. Like recycling.
- Back in 1972-1972, landfills were just one big hole. Today, we do have recycling, etc. Imagine how bad it would be if we hadn't changed? By the way, honeybucket: someone with a horse would go around to pick up the "honey" [bathroom pail contents].
- I think people are using the lake as their honeybucket.
- I think what we're talking about here is the most important thing we can do to affect our water.

Question 5: Who are the pioneers here?

- The younger generation going out and testing the water (ditches, etc.). It was the most fantastic thing I've ever seen.
- The younger ones here now; it's important to bring that age in.
- We're only 5 million people in this watershed [Lake Winnipeg]. What we've done is criminal!
- The pairing of older and younger generations.
- The more we talk, the more we do. If we don't talk, we don't do. We need dialogue to raise awareness and get motivated. They we have to do what we've discussed.

Question 6: What do these pioneers need to lead?

- Address the issue where they live to get the community involved.
- Move to place to place – spread the word.
- To be as widespread as possible.
- Need money!
- I think it would cost a lot to bring it together.
 - *Yes, and no. We can form partnerships and volunteer efforts.*
- People from the city come to the cottage area and what to do what they want and don't think they should adhere to the rules. We need to address this and clamp down on it. They take their boats out and dump their toilet water into the lake! It just doesn't seem to sink in that they shouldn't do this.
- We need signage.
- The rights of the individual have been waved, but they may not serve the community. We still have the "I can do what I want" attitude. Perhaps we can make a handbook to educate; our laws and by-laws are not being enforced. They need to be respected. We need to instill values. This had worked in Whiteshell.
- Let this become a lifestyle. We need to teach environmental awareness from grade 1, right on up. It becomes a natural part of life.
- The community is made up of individuals, we need to engage our neighbours and create a more cohesive community.



- Fines and threats will work for some, while appealing to goodwill will work for others.
- Teach the idea that the earth is an organism, and we need to heal this organism, rather than exploit it.

Question 7: What barriers are there, and how do we address them?

- In the short term, money is the problem. It's also hard to think 20, 40, 60 years from now.
- The biggest barrier I see is in the dollar amounts; municipalities have their hands tied. The taxpayer looks at the present – right now. Councillors are only there for 4 years, so they are reluctant to do anything beyond the short term. There is a lack of political will.
- There is always inertia, doing what we've always done, and our habits. We need a shift in culture; use signage, incentives, encouragement, self-policing, and paying attention to each other.
- Mindset is the toughest barrier; thinking “water is free” rather than remembering it's an important resource. Rules and laws can always be got around. It's a long-term project.
 - *Students can sell [energy efficient] light bulbs to raise money.*
 - Partnership possibilities.*
- Lots of people just don't care, are too busy or don't think about it.
- Convenience is a big thing. People aren't necessarily being lazy.
- Youth needs leadership, to be lead by example.
- Being environmentally responsible isn't 100% “cool” yet. There's a mindset that needs to change when dealing with the culture of kids.
- Recycling in school is a big hassle. Only about 3 people still do it. [Sorting through garbage for recyclables] It's not appealing.
- We have to start valuing the people who do this.
- We need to give some slack to parents we think aren't interested. We've got two parents working now, and we're up against the economic picture. There are people holding down three jobs just to keep a roof over their heads. So many things are stretching people, convenience becomes important.
- We as adults should be taking responsibility for our actions; the media, too.
- It takes a lot of effort to get people talking. Local people have to lead us.
 - *It [the lake, the environment] doesn't need us – we need it!*
- [Japanese exchange student] I am surprised by how you [in Canada] don't distinguish between the types of garbage. In Japan, we need to separate 5 or 6 kinds of garbage because we don't have the space. Why don't you do it?
 - *We're spoiled!*
 - *We are abusing it.*

Question 8: What support does the community need? Who will provide it?

- Education and money, but it's not going to help if people don't bother. We need to wake people up through groups like this. We need to [have meetings like this] in places were people are, anyways. We need to get the word out.



- We need more like this system now [this meeting], and for young people to take the message home.
- Networking.
- Incentives.
- How do we get teens to listen to teens? [I] keep telling them [room mates] to turn off the lights, but they never do!
 - *When we started recycling 10 years ago, there was a lot of moaning and groaning. This is the same behavioral shift. It will take time. Small things become ingrained, but we do have to be vocal about it, and have patience. And keep turning off the lights, yourself.*
- The trend seems to be that our grandparents were really into this [recycling, reusing, etc.], but our parents aren't -- now it's us doing it [teens].
- I got my 1979 hockey card collection, completely paid for with pop bottles.
- In the city, there're boxes for recycling. We don't have that here.



VII. Break-Out Group Work

Question 1: Values -- When you imagine Gimli and Area as a climate-friendly community in the future, what will it be like? What activities will people be doing? Look like? How would you hope to be able to describe the area to potential residents? (Write down or draw the answers, be creative!)

Question 2: Actions -- What actions could you and your neighbors begin taking now to create this sustainable Gimli and Area? What are the beginning steps (perhaps no cost or low cost) that can be worked on right away? Any “low hanging fruit?”

Group 1, Question 1

- Climate friendly place
- Alternative energy sources (i.e. non-fossil fuels)
 - Solar powered
 - Wind power – auxiliary
 - Hydrogen fuel
 - Bio-diesel vehicles.
- Summary: no fossil fuels
 - Ground source heating
- Re-use, re-cycle.
 - No plastic bags
 - Better incentives for recycling – deposits, discounts, etc.

Group 1, Question 2

- Signage – reminders – people want to be responsible?
- Active stewards – volunteer/paid
- Research that leads to shock value education.
- EDUCATION, EDUCATION, EDUCATION

Group 2, Question 1

- Clean water (drinking, etc.)
- Clean air
- Clean soil
- Reduce (consumption/dependence) of non-renewable resources.

Group 2, Question 2

- Treatment plants need to have capacity to handle what is coming in!
- Capping of old wells to protect groundwater.
- Stiffen policy/regulations governing air quality.
- Change in present fossil fuels usage to cleaner burning or more fuel-efficient vehicles.
- (Air) – effluent control measures re: industry and their outputs. (Air/land/water)



- Regulations regarding: farm management of environmental outputs (water/air/soil)
- (Land) E.M.P. (environmental management plan – 20 yrs) requirement, including the small hobby farm to the large multi-year industrial manufacturing facility.
- No one is exempt!!!



A workshop participant records his breakout group's ideas and solutions.

Group 2, combined questions 1 and 2

- Improve recycling and composting programs e.g. municipal programs
- Educate people about the “Idle Free” program
- Get the word out about what programs are available
- Develop on programs/facilities such as: walking and biking paths (separate)
- Tree planting, greening programs, etc. If your community looks nice, people will want to take care of it.
- Come here to use our power! [Bring industry here, rather than sell our power out]
- Support programs for a cleaner Lake Winnipeg.
- Individual communities being more self-sufficient and not as dependent on one another.

An Ideal Gimli:

- Clean lake
- More green space for younger children
- More trees
- Shuttle services between smaller communities.
- Excellent recycling programs and compliance with them.
- Much more efficient energy uses. E.g. alternate heating, vehicles.
- Increase in bio-diversity
- A stronger sense of community mindedness.
- Active, healthy people.
- More responsible consumerism.
- A fully healthy environment.



- A more extensive recycling program.
- Education (N.B.)

Group 4, Question 1

- Trees, vegetation
- Clean, recycling, reusing, renewing
- Pedestrian friendly
- Less dependant on automobiles.
- Wholesome, locally grown produce, cheaper.
- More cooperation & democracy
- Youth involvement
- More tightly knit forms of development.
- Artistic features.



A breakout group discusses how to reduce GHG emissions from their community.

Group 4, Question 2

- Youth representative on council
- Recycling program
- Youth/community clean up
- Dollars in support of environmentally friendly programs.
- No Idling signs at strategic locations
- Take advantage of funding programs
- More incentive to recycle
- More public garbage cans and recycling bins

Group 5, Question 1

- Committed to recycling
- Parking outside town center
- Composting
- Less light [at night] so we can see the stars
- Fishfly worship!



- Clean lake
- Clean water
- No gray water uncontrolled
- Eco-tourism
- Friendly and hospitable

Group 5, Question 2

Gimli

- Recycling bins on each corner
- Separated
- Swap market
- Fishfly event
- Enforcement of by-laws
- More student exchanges for understanding of issues
- Be like Sweden/Iceland in all areas in quality of life



A representative from Group 1 presents community values and actions for a more climate-friendly Gimli and area.

VIII. Check Out Roundtable

- I think it was really valuable for me to be invited.
- [Japanese exchange student] I enjoyed today's activity. I'm glad I got to know other people's general opinions.
- [Mexican exchange student] Thank you for teaching me this; I can share this at home.
- I liked doing the activities.
- We need a cultural shift from an environmental perspective to be able to make more strategic conclusions.
- I am really impressed from the input from the youth, but it doesn't mean we adults off too easy.
- [High school teacher] I enjoyed the day. It was great to hear someone else "teach" for me. I found this all very reassuring.
- As a commercial fisherman, I was very impressed with the young people here.
- From a forestry perspective, it [CC issues] is forcing the industry to look at it. We have a long road to go.
- I like the information; it's good for the EnviroClub
- I got lots of information!
- It's nice to see the young people. I think we need more representation from the fishing industry. Thank you.
- This is my second time doing this [doing a presentation]; ... did a fabulous job, great accommodations, and great cookies!
- To the kids, it's important that this type of workshop happens more.
- We are all the decision makers.



IX. Workshop Participants

Barlow, Bill	President, <i>New Iceland Heritage Museum</i>
Benson, Bruce	Chair, <i>Harbour Authorities of Canada (PM)</i>
Bjarnason, Rachel	Student, <i>Gimli High School</i>
Dankochik, Ashley	Student, <i>Gimli High School</i>
Figler, Josh	Student, <i>Gimli High School</i>
Flett, Bryce	Student, <i>Gimli High School</i>
Johnson, David	Councillor, <i>Village of Dunnottar</i>
Kalb, Rachel	Student, <i>Gimli High School</i>
Klym, Rachel	Student, <i>Gimli High School</i>
Kolbe, Dorothy	Councillor, <i>Village of Dunnottar</i>
Kraemer, Gord	Reeve, <i>RM of West St. Paul</i>
Kristjanson, Robert T.	Representative, <i>Lake Winnipeg Whitefish Fleet</i>
Lee, Bob	Manager, <i>Interlake Development Corporation Inc. (AM)</i>
Little, Gordon	Student, <i>Gimli High School</i>
Mamylago, Richard	Forestry Manager, <i>Interlake Region, MB Conservation</i>
Michalishyn, Ron	Councillor, <i>RM of West St. Paul</i>
Mrena, Chuck	Coordinator, <i>PARC, C-CIARN</i>
Pytel, Nicole	Student, <i>Gimli High School</i>
Quinlantan, Maria	Exchange Student, <i>Gimli High School</i>
Ristic, Angel	Student, <i>Gimli High School</i>
Rogge, Helma	Concerned Citizen
Schnerch, Jennifer	Student, <i>Gimli High School</i>
Smith, Lisa	Student, <i>Gimli High School</i>
Stouffer, Stephanie	Student, <i>Gimli High School</i>
Talbot, Llyod	Manager, <i>Selkirk Community Planning Services</i>
Williams, Percy	Economic Development Advisor, <i>Government of Manitoba</i>
Yoshodi, Mami	Exchange Student, <i>Gimli High School</i>

Observers

Cowan, Andrew	Senior Policy Analyst, <i>Climate Change Branch, Manitoba Energy, Science and Technology</i>
Hanuta, Irene	Policy Analyst, <i>Climate Change Branch, Manitoba Energy, Science and Technology</i>
Krawchenko, Elaine	Project Officer – Community Programs, <i>Prairie and Northern Region, Environment Canada</i>



X. Community Workshop Evaluation Summary

NOTE:

Rating System is out of 5 points. 5 representing “most satisfactory” or “strongest agreement”.

1.0 Organization and Design	Score
Overall quality	4.44
The programme – flow of activities	4.47
Workshop documents	4.44
Location and facilities – Misty Lake Lodge	4.50
Meals and refreshments	4.53

Comments:

- Very well put together!
- Excellent pacing, content.
- Straightforward, informative.
- I used to work at Misty Lake Lodge. Thank you.
- It was really good.
- Well organized and delivered.

2.0 Presentations	Score
I could hear clearly	4.78
I could see clearly	4.56
Level of comprehension (minimal jargon, explained theories, etc.)	4.47
I could proceed with group work with the information given	4.50

2.1 Basics of Climate Change, <i>Rachel Van Caesele</i>	Score
Provided me with a basic understanding of CC	4.61
Understand impacts of CC	4.39
Understand link between lifestyle, GHG’s and CC	4.39
The presenter was dynamic and informative	4.72

Comments:

- Good job. Thanks for the presentation.
- It was okay.
- Good analogies (adding up “holes” in houses, for example).
- It was good and the slides weren’t changed too fast – I was able to take notes.
- It was interesting.
- Better science.

2.2 Making Your Building Power Smart/Earth Energy Systems, <i>Tony Pimentel</i>	Score
I have ideas on how to reduce business GHG’s.	4.12



I feel well informed about earth energy systems.	4.12
I understand how to access the incentive programs	4.06
The presenter was dynamic and informative	4.47

Comments:

- I don't have a business right now, but for sure I am going to use these ideas in the future.
- Good info.
- Tony was especially fun to hear.
- It was very interesting.

2.3 Greening Municipal Operations, Jennifer Duggan	Score
Understand role of municipalities in CC	4.41
Understand link between reducing GHG's and economic savings	4.31
Ideas for reducing GHG's in my community from case studies	4.33
The presenter was dynamic and informative	4.64

Comments:

- Great job Jennifer!
- Was really interesting.

3.0 Facilitated discussion	Score
Ideas for educating my network about CC and need for action	4.22
Identify GHG reduction opp's in my community	3.83
Additional reduction opp's (funding, networks, etc.)	3.89
Identify steps for an action plan	3.94

Comments:

- That was interesting.
- Excellent to involve everyone. A learning experience.
- Was really good.
- My community has little desire or focus in this area (municipality).
- It was informative and easy to understand.

4.0 Feedback

1. What was the most useful part of the workshop?

- Discussions in small groups.
- Geothermal update.
- Overall concept as well as specific items that can help.
- When we talk about the ideas we have.
- Info provided by experts.
- The presentations were very informative.
- Participation from various groups/individuals discussion groups.
- Ideas for reducing environmentally damaging activities, etc.



- Presentations and their info. Take home items.
- Everything I learned.
- The first slide show – I took down all the information.
- I liked the group work.
- Networking on the workshop's themes.
- Climate change affects all aspects of life!

2. *What was the least useful part of the workshop?*

- Listening to presentation – I mean just sitting down was the least useful.
- N/A
- I don't think any part was un-useful.
- Hydro's presentation was a little long.
- When we were split into five groups and had to answer the questions.
- Heat pump.
- All really good.

3. *What suggestions do you have to improve format and/or content at subsequent workshops?*

- Should have questions/quizzes to keep us interested.
- None.
- Good the way it is.
- No comment at all.
- Less sitting, if possible. Make sure everyone can see the slides.
- None. It was well planned.
- Representative from Department of Fisheries and Oceans.

4. *Other comments.*

- People from every generation made this workshop interesting.
- I just want to thank you for teaching me, because now I can do something about it.
- Very congenial, friendly and a good mix of people and ages.
- An excellent day! Very useful info. Definitely a stimulus to action. Thank you for allowing student participation. I know the day was valuable for them.
- I learned so much and I would like to learn more about the environment and society. It was nice talking with everybody.
- Thank you!
- Made some strategically valuable contacts. We need an environmental culture shift.



XI. Acknowledgements

The Climate Change Connection would like to acknowledge the following individuals and organizations for their assistance in making the *Gimli and Area Community Workshop on Climate Change* a success.

All our participants, who took time out from their busy schedules to learn about climate change, listen to their fellow community members, and find solutions for a healthier, more sustainable Gimli.

All presentations are provided in PDF format for download under Manitobans and Climate Change on www.climatechangeconnection.org. For copies of the handouts on municipal GHG-reduction option please visit the Emissions and Impacts section of the web site. Hard copies can be mailed out upon request to climate.connection@mts.net or (204) 943-4836.

The workshop programme follows.

Climate Change Connection

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XII. Workshop Programme

GIMLI & AREA COMMUNITY WORKSHOP PROGRAMME

Tuesday, April 27, 2004.

Misty Lake Lodge

Continental breakfast is provided.

9:00 – 9:115 WELCOME from Climate Change Connection

1. Explanation of logistics of programme. Pointing out of scribe and how to order follow-up proceedings.
- Jennifer Duggan, Manager
2. Who is Climate Change Connection? Brief description of mandate, information tools and services, & funding partners.
Presenter: Rachel Van Caesele, PEO Coordinator

9:15 – 10:00 ROUNDTABLE, Chaired by facilitator, TBD

Allows everyone present to identify themselves and share:

1. Their interest in climate change
2. A question they want an answer to over the course of the day
3. Identify resources available locally
4. Share activities from within the sector they are representing.

10:00 – 10:30 PUBLIC EDUCATION MODULE: Part One

BASICS OF CLIMATE CHANGE- What is climate change? What are the greenhouse gases (GHGs)? The enhanced greenhouse effect? How are human activities involved? What are the potential impacts? Where does Canada fit in internationally?.

Presenter: Rachel Van Caesele

10:30 – 10:45 BREAK

10:45 – 11:15 PUBLIC EDUCATION MODULE: Part Two

CLIMATE-FRIENDLY LIVING- How can we take action and live a more climate-friendly lifestyle? Discussion of Climate Champion Pledge.

Brainstorming session with participants.

Presenter: Rachel Van Caesele

11:15 – 12:15 MAKING YOUR BUILDING POWER SMART

Manitoba Hydro's *Power Smart for Business* incentive programs for lighting, envelope and heating/cooling technologies maximize the performance, comfort and visual appeal of your facilities. Learn how to use Power Smart to significantly reduce your organization's greenhouse gas impact. Learn how you can save money plus make an important savings on your “carbon budget”.

Presenter: Tony Pimentel, Energy Services Coordinator



12:15 – 12:30 EARTH ENERGY HEAT/COOLING SYSTEMS

Gain an introduction to a low-GHG technology to heat and cool your homes/offices. Learn about the incentive programs.

Presenter: Tony Pimentel

12:30 – 1:30 LUNCH (provided), displays and informal networking

Please bring local information you wish to share.

1:30 – 2:15 GREENING MUNICIPAL OPERATIONS

Up to 50% of emissions in any given locale are directly or indirectly under the influence of the municipal government. Many opportunities exist for municipal councils to reduce GHGs and provide their residents with cleaner air and healthier communities, while saving money! Success stories from other jurisdictions across North America will be shared. *Thanks to the Partners for Climate Protection Program, Federation of Canadian Municipalities and Energy Services, International Council for Local Environmental Initiatives for providing content.*

Presenter: Jennifer Duggan

2:15 – 4:20 FACILITATED DISCUSSION OF COMMUNITY NEEDS & INTERESTS

Facilitator will draw out participants' ideas on:

1. How to further educate their sectors and neighbours about climate change and the need for action,
2. What GHG reduction opportunities exist in Gimli and area,
3. What the community would need/want in order to participate in outside-supported programs, or to generate locally-led programs
4. Envisioning what a climate-friendly sustainable Gimli area would look like.

3:00 – 3:15 BREAK & filling out of evaluation and request forms.

Break-out groups for flip charting responses and feedback into larger session. Action planning for next steps. Final summary comments.

4:20 – 4:30 THANK YOU from Climate Change Connection & Power Smart



Climate Change Connection aims to build awareness and to empower Manitobans to take action to reduce their greenhouse gas emissions, both individually and as a community.

GHG emission reductions achieved by Manitobans will help Canada to meet targets established by the Kyoto Protocol.

The Connection will work to assist Manitobans make the changes necessary to live more sustainable and climate-friendly lifestyles.

Working to reduce GHG emissions enables us to take responsibility for our part in a changing global climate.