

3.3 Energy

How to meet your community's energy needs in an efficient, affordable, sustainable, and reliant way, while managing greenhouse gas emissions and air quality.

Short Term (0-24 months) Preferred Future Initiative:

Through education and government leadership sustainable energy is created.

Priorities:

A) Education

Strategies:

1. Use of multi media avenues to educate the public on energy efficiency.
2. Seminars on reducing energy consumption.
3. Target school ages children to be energy efficient.

B) Government Leadership

Strategies:

1. Appropriate Municipal Government planning.
2. Incentives to go energy efficient.
3. All newly purchased Town buildings / vehicles are energy efficient.

C) Research energy use and alternate sources

Strategies:

1. Research innovative initiatives to lower energy emissions for the Town of Sundre.
2. Research alternative sources of energy for long term use (ex: micro wind turbines, solar, ethanol, etc.)

Medium Term (2-5 years) Preferred Future Initiative:

Reduce energy emissions through innovative initiatives.

Priorities:

A) Implementation of Research

Strategies:

1. Implement innovative initiatives to lower energy emissions for the Town of Sundre.
2. Alternative sources of energy for long term use (ex: micro wind turbines, solar, ethanol etc.)

B) Government Leadership

Strategies:

1. Lobby Federal Government for use of incentives to encourage use of alternative energy sources.

PRIORITIZATION MATRIX

Strategy Area: Energy
Preferred Future Initiative: Through education and government leadership sustainable energy is created.
Short Term / Medium Term / Long Term (circle the appropriate term)

Does this initiative:

1. move us towards our community's preferred future initiative?
2. move us towards the sustainability principles?
3. provide flexibility for future community leaders to take action?
4. generate sufficient economic and potential return to seed future investments?

Idea	# 1	# 2	# 3	# 4
Education	Yes / No	Yes / No	Yes / No	Yes / No
Government Leadership	Yes / No	Yes / No	Yes / No	Yes / No
Research energy use and alternate sources	Yes / No	Yes / No	Yes / No	Yes / No

Reference Material:

The Natural Step Principles

1: We dig stuff up (like heavy metals and fossil fuels) out of the Earth's crust and allow it to build up faster than nature can cope with it.

2: We create man-made compounds and chemicals (like pesticides and plastics etc.) and allow them to build up faster than nature can cope with them.

3: We continuously damage natural systems and the free services they provide (including climate regulation and water filtration) by physical means (for example over harvesting and paving wetlands).
and..

4: We live in and create societies in which many people cannot meet their basic needs (for example, to find affordable housing).

5 Dimensions of a Sustainable Community

- 1:** A Healthy Environment
- 2:** A Strong Economy
- 3:** A Vibrant Cultural Scene
- 4:** Good Governance
- 5:** A Strong Social Network

Town of Sundre MSP Process

Energy	How to meet your community's energy needs in an efficient, affordable, sustainable, and reliant way, while managing greenhouse gas emissions and air quality
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PREFERRED FUTURE INITIATIVE: Through education and government leadership sustainable energy is created.				
Issues and Obstacles (Short term)	Assets and Opportunities	Measure of Success	Action Steps Within Next 0-24 months	Who is responsible for ensuring the action is carried out (see list at the end of document)
A) Education	<p>A1) Use of multi media avenues to educate the public on energy efficiency with the help of visual statistics.</p> <p>A2) Seminars on reducing energy consumption.</p>	<p>A1) Reduced consumption. Public more aware of energy consumption. More efficiency (ie: choice of appliance, choice of vehicles, choice of toys – ATVS etc.) Yearly consumption for the Town Citizens is reduced year from year (ex: get amount of energy used within the Town of Sundre and try to come up with a percentage to try to reduce our energy consumption by.) Success is shown.</p> <p>A2) Reduced consumption. Public more aware of energy consumption.</p>	<p>A1) Get information on energy efficiency on the towns operations and put in multi media facets.</p> <p>A2) Budget Process. Find a professional to do seminar.</p>	<p>A1) Town of Sundre Provincial and Nations sources Economic Development Committee</p> <p>A2) Town of Sundre Economic Development Committee</p>

Town of Sundre MSP Process

		Yearly energy consumption for Town owned buildings / vehicles is reduced by 10%.	meter readers using trucks versus smart car). Contact energy company to receive statistics for Town owned buildings. Record and report energy use in Town buildings and vehicles.	
C) Research energy use and alternate sources.	C1) Research Innovative initiatives to lower energy emissions for the Town of Sundre. C2) Research alternate sources of energy for long term use (ex: micro wind turbines, solar, ethanol, etc.)	C1) Reduced energy emissions within the Town of Sundre. C2) Alternate sources would be used in the long term (ex: exercise equipment used to produce energy to power the lights at the Aquaplex.) Less unsustainable energy use. Citizens and Town would save money on energy costs.	C1) Research initiatives and see what is viable for the Town of Sundre. Make a plan to implement initiatives. C2) Research alternate sources and see what is viable for the Town of Sundre and it's citizens.	C1) Town of Sundre Citizens Advisory Group C2) Town of Sundre Facility owners Partnerships

PRIORITIZATION MATRIX

Strategy Area: Energy
Preferred Future Initiative: Reduce energy emissions through innovative initiatives.
Short Term / Medium Term / Long Term (circle the appropriate term)

Does this initiative:

1. move us towards our community's preferred future initiative?
2. move us towards the sustainability principles?
3. provide flexibility for future community leaders to take action?
4. generate sufficient economic and potential return to seed future investments?

Idea	# 1	# 2	# 3	# 4
Implement Research	Yes / No	Yes / No	Yes / No	Yes / No
Government Leadership	Yes / No	Yes / No	Yes / No	Yes / No

Reference Material:

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and..
- 4:** We live in and create societies in which many people cannot meet their basic needs (for example, to find affordable housing).

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PREFERRED FUTURE INITIATIVE: Reduce energy emissions through innovative initiatives.				
Issues and Obstacles (medium term)	Assets and Opportunities	Measure of Success	Action Steps Within Next 2-5 years	Who is responsible for ensuring the action is carried out (see list at the end of document)
A) Implementation of Research	<p>A1) Implement innovative initiatives to lower energy emissions for the Town of Sundre.</p> <p>A2) alternate sources of energy for long term use (ex: micro wind turbines, solar, ethanol etc.).</p>	<p>A1) Reduced Energy emissions within the Town of Sundre.</p> <p>A2) Alternate sources would be used in the long term (ex: exercise equipment used to produce energy to power the lights at the Aquaplex).</p> <p>Less unsustainable energy used.</p> <p>Citizens and Town would save money.</p>	<p>A1) Implement initiatives as researched in short term.</p> <p>A2) Research alternate sources and see what is viable for the Town of Sundre and it's citizens.</p>	<p>A1) Town of Sundre Citizens Advisory Group</p> <p>A2) Town of Sundre Facility owners</p>
B) Government Leadership	B1) Lobby Federal Government for use of incentives to encourage use of alternative energy sources.	<p>B1) Reduced emissions.</p> <p>Alternate energy sources are abundant.</p>	B1) Write letters to Federal Government encouraging incentive programs.	B1) Town of Sundre Community