

Commission Purpose Subcommittee Report & Recommendations  
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The Commission Purpose Subcommittee recommends that the Commission take the following actions:

1. Approve a definition of energy sustainability and a goal statement. The definition put forward by the Subcommittee is:

Energy sustainability is the efficient use of energy resources that are produced locally from renewable sources at a reasonable cost and minimize adverse impacts to the economy, environment, or life-style of the community.

The goal of the Commission is to promote energy conservation, efficient use of energy, and renewable energy production.

2. Develop an energy use profile to document current energy usages within the borough. Identify anticipated energy usage changes over the next 5-10 years.
3. Support and promote an energy conservation and efficiency plan that includes but is not limited to: public education (e.g. Energy Talks, Energy Fair); presentations on energy conservation strategies and efficiency measures at Borough facilities; and collaboration with AP&T (electric utility) to develop conservation education and incentive programs.
4. Support, promote, and concentrate on two major areas of new renewable energy production, biomass, and hydro, with the understanding that other renewable energy options (e.g. wind, tidal, solar, etc.) can be considered in the energy mix as both immediate sources of energy and possible long-term additional sources.
5. Develop an Energy Sustainability Strategy (how we get from here to there) for the borough consistent with our definition of energy sustainability by integrating our work on existing and future energy usage, conservation, and efficiencies, and the potential to generate additional local energy from biomass and hydro sources. This Strategy would become the "filter" to be used to review specific projects. It is a given that the Commission has neither the time nor resources to evaluate all facets of each project and must identify issues and appropriate experts.

***Sustainable Energy Strategy***  
***Draft Outline – 1/1/09***

Definition of community Energy Sustainability

“Energy sustainability is the efficient use of energy produced locally from renewable resources at a reasonable cost and without adverse impacts to the economy, environment, or life-style of the community.”

**Recommendations:**

A set of recommendations for action based on the information in the remainder of the report. The recommendations should be concrete enough to produce action and may include endorsement of specific projects or not.

**Community Energy Profile:**

Describe existing energy uses by type: electricity, heating oil, gasoline, diesel.

- Existing usage
- Sources
- Facts about a small, isolated electrical grid.
- Future requirements – growth, switch from non-sustainable sources

**Local sustainable energy sources**

Describe the potential for sustainable energy sources, including present and future viability and cost.

- Hydroelectric
- Solar
- Wind
- Biomass
- Tidal
- Hydrokinetic
- Hydrogen
- Low emission transport

**Sustainable Energy Strategy for area (Haines or Upper Lynn Canal)**

Describe a broad outline of the key components of a sustainable energy system in Haines in 10 or 20 years including specific targets in energy resources. Some components may include:

- Estimated total capacity requirement
- Estimated peaking capacity requirement
- Need for a system “battery” to store energy (hydro) generated at times not coinciding with energy demand (wind, solar)
- Benefits of single large hydro resource vs. generation by a variety of integrated sources.
- Investor owned utility, municipal owned, co-op, partnership?
- Cost – current & future

The strategy may or may not address specific locations or projects.

**Related topics:**

How to become sustainable? (Many of these are redundant)

- Efficiency/Conservation – building standards, retrofits, other methods
- Sustainable energy production
- Smart grid, feed in, pros & cons
- Encourage shift from fossil fuels
- Transportation
- Heating
- Incentives; pros & cons
- Others

## **Agenda**

Haines Energy & Sustainability Commission

“Commission Purpose” subcommittee

January 2, 2009

### **Suggested topics:**

#### **Examine “purposes” in original resolution.**

How well are we doing? Discuss remaining steps.

#### **Commission Purposes:**

1. To coordinate, propose, and promote energy conservation, efficiency, and utilization of alternative energy throughout all borough managed facilities;
2. Make recommendations to the Energy & Sustainability Coordinator on policies and programs that promote energy conservation, energy efficiency, sustainability, and utilization of alternative energy;
3. Determine, in cooperation with the Haines Borough and the public, a borough energy consumption profile;
4. To provide “energy consumption” assessments. The assessments shall be included in quarterly reports provide to the assembly and the public, and
5. To research and apply for grants and other funds or gifts from public or private agencies for the purpose of carrying out any of the provisions or purposes of this resolution.

#### **Define: “Energy Sustainability”**

Agree on a definition to be provided the whole Commission.

Draft definition for discussion:

“Energy sustainability is the efficient use of energy resources produced locally from renewable sources at a reasonable cost and without adverse impacts to the economy, environment, or life-style of the community.”

#### **Discuss Purpose, (Community Energy Profile?)**

Do we attempt an energy profile?

What should it include?

What area should it include? Haines or Upper Lynn Canal (Haines, Skagway, Klukwan)?

Other discussion.

The goal is to come to agreement on our focus or next steps and deliver to the entire Commission.