

Alternative Energy Decision Factors

June 13, 2017 Priorities Committee

Strategic Fit

- Prioritized Strategic Goal #1
 - “Strategically manage, invest and plan for sustainable municipal infrastructure”
- Prioritized Strategic Goal #3
 - “Advance the community’s interests by developing and maintaining strong relationships with our neighbouring municipalities and civic organizations to ensure long-term prosperity”
- Prioritized Strategic Goal #4
 - “Increase public involvement and communicate with the community on issues affecting the County’s future”
- Prioritized Strategic Goal #9
 - “Improve the efficiency of resource usage; minimize the volume of waste and its impact on the community”

Positive Public Image

- Public perception of making long-term environmentally responsible decisions
- Being seen as innovative
 - Citizen pride
 - Current staff pride; draw for new staff
 - Attractive attribute for new citizens and businesses
- Synergies with other orders of government
 - Provincial climate leadership
 - Federal green infrastructure
 - Grants

Traditional Financial Factors

- Initial costs of infrastructure
- Ongoing costs of energy inputs
- Lifecycle costs of infrastructure (including disposal)
- Long term forecasts for energy prices
- Net present value

Job Creation

- Potential to support existing or incent new local businesses
- Diversify the local economy
- Synergies with other orders of government (grants, leverage relationship)

Environmental Factors

- Efficiency of the technology
- Opportunity to capture waste heat
- Presence / absence of a heat sink (e.g. opportunity to store for reuse)
- GHG reductions / credits
- Secondary environmental benefit (e.g. using a waste stream as a fuel source)

Resiliency

- Fuel resiliency
 - Non-fossil
 - Switching
 - Local
- Building & occupant health
 - Occupant health considerations
 - Reduced building contaminates

Operational Perspective

- Availability of fuel source
- Complexity of technology
- Operational reliability
- Local support
- Meets operational objectives

Questions?