

BIOPOWER — IT'S NOT JUST CARBON NEUTRAL

Reducing greenhouse gases, naturally

Because biopower is "carbon neutral," it releases no new carbons into our atmosphere — and actually helps reduce the greenhouse gases that contribute to climate change.

PART OF A NATURAL CYCLE

- Plants and trees absorb carbon from the atmosphere when they grow, then release that same carbon back into the environment when they die — a natural cycle that's "carbon neutral," neither adding nor subtracting from existing levels of carbon.
- By combusting organic matter to make energy, biopower simply releases the same carbon into the atmosphere that would be released naturally when the organic matter decomposed — thus making the process "carbon neutral," adding no new carbon to the atmosphere.
- In contrast, gas, oil and coal release new carbon into the air when burned because the carbon found in these fossil fuels has been buried deep in the earth for millions of years, and hasn't been part of our modern-day environment until being pumped or mined.



REDUCES GREENHOUSE GASES

- Biopower is twice as effective at reducing greenhouse gases (GHG) as other forms of renewable energy.
- When organic matter is open burned, dumped in landfills or decomposes in the wild, it returns carbon to the atmosphere as either carbon dioxide (CO_2) or methane gas (CH_4) — with methane being 25 times more potent as a GHG on an instantaneous basis.
- Biopower completely combusts methane during its energy-making process, releasing only CO_2 into the air.
- By efficiently combusting organic matter, biopower reduces by 15.2 million tons annually the amount of CO₂ that would be released if this organic matter simply decomposed.

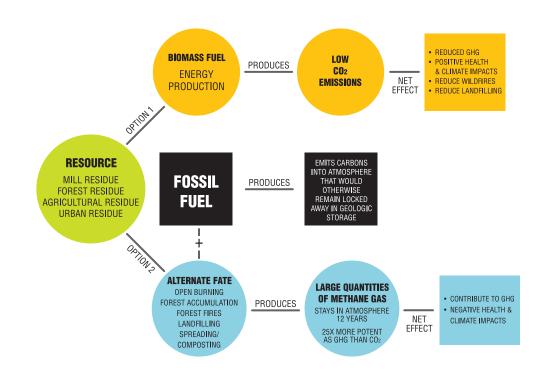






HELPS THE ENVIRONMENT IN OTHER WAYS

- Biopower removes some 8.1 million tons of overgrowth biomass from American forests annually improving forest health and dramatically reducing the costly threat of forest fires.
- Biopower prevents over 13.2 million tons of wood waste from being dumped in landfills each year.



HOW BIOPOWER REDUCES GREENHOUSE GASES

