potlach Kwolann Kopa Naah Illahee

Listen to the Signs of Mother Earth

Toto Pe Mamook Piah
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IRRESPONSIBILITY

No single raindrop believes it is to blame for the flood.
Solleks Wawa

The Issue

The sun’s rays are the very thing that gives the world life. The rays heat the surface of the earth. Cars, trains, boats, refineries, etc. burn fossil fuels. The burning of fossil fuels releases carbon dioxide into the earths atmosphere. Our native people everywhere are being effected by this!
Kilapie Kopa Nesika Ow
Affects on our Wildlife

• Local fish and wild life populations are diminishing due to these fluctuations in the food webs and many species are becoming more scarce and are having to leave their natural habitat.

• Many species of sea and land animals are being forced to move farther from the equator due to the fact that the temperatures of the world is increasing causing a disruption of the food web; world wide.
The rising water temperatures of Puget Sound are having a huge impact on the marine wild life of the land. The mountains around Puget Sound are funneling less freshwater into estuaries, rising oceans waters are creating more and more salt marshes, and changes to the food web alter life for everything from lingcod to orcas.

University of Washington scientists and the state suggest that climate change will continue to echo across the ecosystem, upsetting links between plants and animals and will complicate efforts to manage the threat of a growing human population.

“Swim to colder waters” a fish
• Average global temperatures raised 1.1 degrees Fahrenheit during the 20th century.

• Northwest winters have warmed 2.7 degrees since 1950 mainly because of the cycles in ocean conditions.

• Water levels in south Puget Sound are expected to increase 1.3 feet by 2050.

• Fresh water runoff from the 10,000 rivers and streams that run into the Sound are 13 percent less freshwater than in 1948.

• Snowmelt is coming an average of 12 days earlier.
• The increase of water levels is increasing erosion and is threatening the habitat of kelp and other grassy plants that are the food of at least a dozen species of fish that are completely dependent on it.

• The increased temperatures of the Puget Sound could increase special algae blooms. These blooms contaminate shellfish and when the blooms die they act as oxygen sink and suck out the oxygen. These “dead zones” in just hood canal alone have already killed thousands of fish.
RISING TIDE, TEMPERATURES

The exact effects of global warming are uncertain, but changes are happening already and researchers are predicting wide-ranging alterations to Puget Sound that could affect everything from algae to orcas to people.

KEY PREDICTIONS

- Air and water temperatures continue to rise.
- Reduced snowpacks will melt earlier in the year, making streams warmer and smaller in the summer.
- Water oxygen levels could drop as water warms and mixing declines.
- Amounts of plankton – including dangerous algae that taint shellfish – could increase.
- Flooding along rivers is expected to increase, sea level goes up.

Source: Climate Impacts Group, University of Washington

SEATTLE POST-INTELLIGENCER
Kahta Tillikum  Kilapie Kopa Waum Illahee

How are People Affected by Global Warming?

• Rising sea levels
  – Causing more land to be taken over by water
• Sea death caused by ocean warming
• Rainfall patterns are changing
• Permafrost is softening
  – Causing earlier snowmelt
• Increased insect infestation
• Warmer, shorter winters
• http://www.youtube.com/watch?v=Ga4LanhTS4o
Kahta Okoke Tkope House Killapie
Wawa pe Waum Illahee

How the White House responds to Global Warming

http://video.google.com/videosearch?q=white+house%2C+global+warming&hl=en&emb=0#
Simple Tasks that Everyone can do to Help Global Warming

✧ Replace a regular incandescent light bulb with a compact fluorescent light bulb (cfl). CFLs use 60% less energy than a regular bulb. This simple switch will save about 300 pounds of carbon dioxide a year. We recommend you purchase your CFL bulbs at 1000bulbs.com, they have great deals on both screw-in and plug-in light bulbs.

✧ Install a programmable thermostat
Programmable thermostats will automatically lower the heat or air conditioning at night and raise them again in the morning. They can save you $100 a year on your energy bill.

✧ Move your thermostat down 2° in winter and up 2° in summer
Almost half of the energy we use in our homes goes to heating and cooling. You could save about 2,000 pounds of carbon dioxide a year with this simple adjustment.

(Some of these ideas are at no cost, some other require a little effort or investment but can help you save a lot of money, in the middle-long term!)

✧ [http://www.youtube.com/watch?v=Xxno7_4B_IU](http://www.youtube.com/watch?v=Xxno7_4B_IU)
Bibliography

- http://www.smh.com.au/ffximage/2005/02/16/Climatechange_wideweb_430x323,0.jpg