

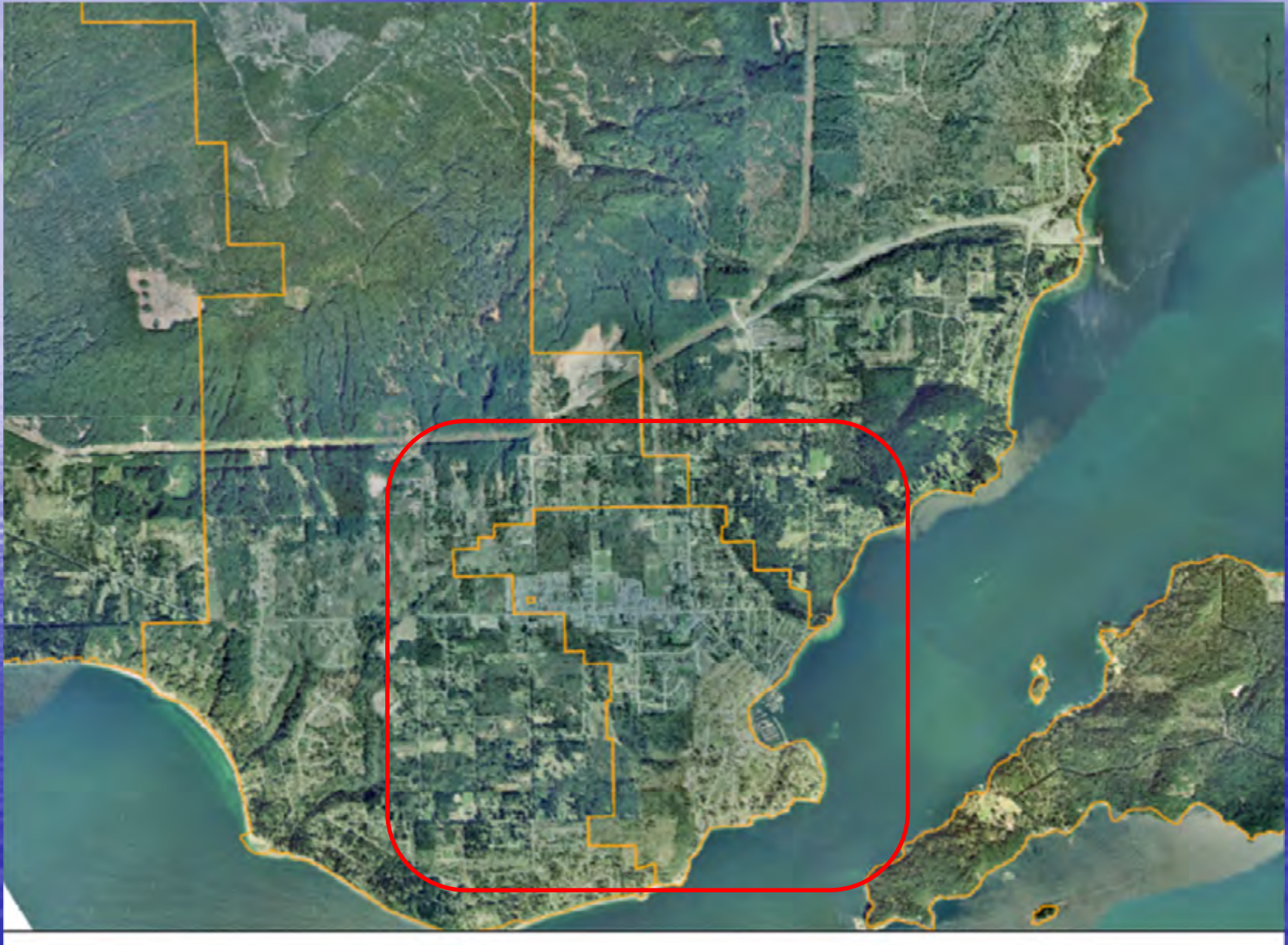
Gibsons

District Energy:
a new solution

Where'n the
hell IS this
Gibsons,
Honey?



oh there you are...



Northeast - across Howe Sound



Town of Gibsons – the view to the west



...the little Town of Gibsons...

- population ~4,300
- area ~1.9 square miles (500 ha)
- total annual budget ~\$5 MN
- Mayor + 4 Councillors
- ~40 staff - inside & outside employees

An Award Winning Community

- Berkeley Springs – World's Best Municipal Water – 2005
- OCP award, SmartGrowth BC, 2007
- National Research Council award, 2007
- Communities in Bloom champions – 2007, 2008
- CEA - Energy & Climate Action Award - 2009
- Most Livable Community – UN's LivCom - 2009
- International Planning Award – UN - 2009

We're:

- innovators, inventors and progressives
- we take intelligent & calculated risks
- we don't say 'no'; we say 'yes', and...

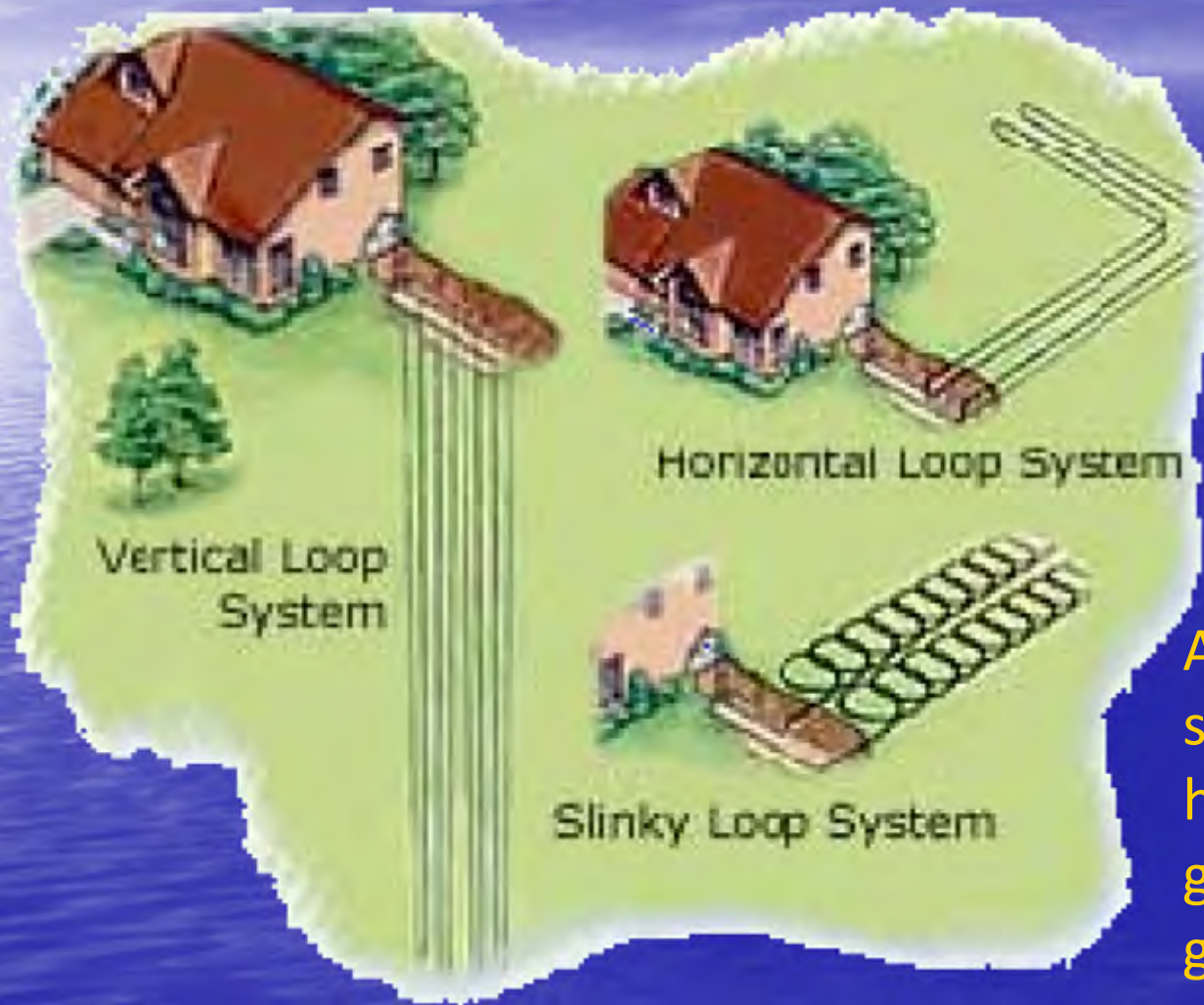
World's Most Livable Community



District Energy: The Future of Energy Distribution



GeoExchange – What is it?

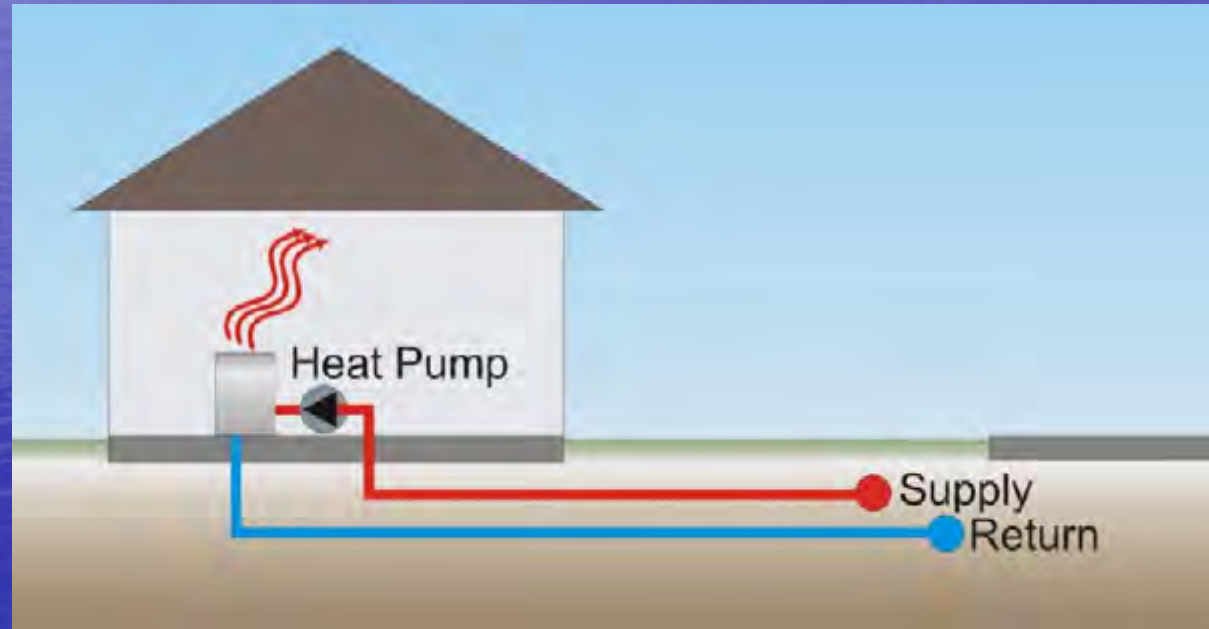


A GeoExchange system transfers heat from house to ground, or from ground to house

Geo-exchange: Renewable heat from the ground



Distribution Piping to Homes



Homes connected to distribution piping from GHX

Upper Gibsons phased growth



Gibsons District Geo Energy

- Horizontal Ground Loop System



- Utilizes the subdivision park land dedication, walkways & trails

- Phased



- System at build out 700 - 900 homes in the Upper Gibsons Neighborhood



...the good stuff

- project successes to date
- ICE grant 33% total project cost
- ICET grant 25% total project cost
- Collaborative developer
- Staff Champion & progressive Council

...the tentative stuff

- ❖ the horizon approaches...
- ❖ service area by-law
- ❖ partnering with heat pump manufacturer
- ❖ oh those devilish details...

...is there such a thing as win/win?

- ❖ creation of a green energy option
- ❖ home owner savings
- ❖ developer - key marketing opportunity
- ❖ taxpayers keep utility fees in community
- ❖ GHG credits offset Town's operations
- ❖ we aim to be exemplary

...and the future...?

❖ Ocean Exchange

❖ New business relationships with:

- School District
- Regional District
- commercial development

...some closing thoughts...

- ❖ we gotta think beyond the tube
- ❖ reduce reliance on taxation!
- ❖ will there be "buy in"?
- ❖ where will the glitches be?
- ❖ will our success be our demise?
- ❖ what you can't measure you can't manage...
- ❖ even small communities can set the agenda

"Fear is that little darkroom where negatives are developed"...

thanks... *really...*



www.gibsons.ca