GARTINA FALLS HYDRO PROJECT

Inside Passage Electric Cooperative, Inc

February, 2014

FERC P-14066
Hoonah, Alaska
Hoonah, Alaska

Hoonah: 20 min Flight Time from Juneau

Gartina Falls Hydro Project: 4.5 Miles Outside of Hoonah
Project Success

- 2010 thru 2011—Collected Information
- Official Project Start—October, 2011
- FERC License January, 2013
- Road Construction in 2013
- Project Construction in 2014
  - $1.3 Million to License
  - $6.9 Million to Build
Why Gartina Falls is GOOD!

- Reasonable Expectations
- 100% Grant Funded
- Elevation Change over Short Distance
- Close to Existing Road System/Grid
- Local Construction
- Year-Round Flow
- Community/Agency Support
Project Performance

- Run-of-River
- 450Kw Peak Output
- Diesel Cost = 31¢ a Kwh

- Annual Diesel Fuel Use = \(331,000\) gal.
- Hydro reduces Fuel Use ~ \(100,000\) gal.
- Annual Fuel Savings of \(400,000\)
2013 Construction

New ½ Mile Access Road to Intake Area
2013 Construction
2014 Construction

Feb.-May
- Complete Road to Powerhouse

May-Nov.
- Construct Intake
- Construct Powerhouse
- Install Penstock
- Install Electric Controls
- Build 4.5 Mi. Powerline.
Gartina Falls Hydroelectric Project, Hoonah, FERC P-14066