

WOOD PELLET

COMPRESSED LOG

DRY
FIREWOOD



**Board of Forestry
Teleconference
Meeting**

December 08, 2020



Aurora Energy Solutions, LLC provides a meaningful solution to help improve community's air quality

THE PROBLEM:

- Fairbanks designated "Serious Non-Attainment Area" for PM2.5
- Burning of wet firewood major contributor to PM2.5 levels
- Aurora Energy power plant was facing expensive control technology mandate





THE SOLUTION

- Purchase and install a **wood kiln** to dry firewood
- Aurora Energy power plant can **connect kiln to existing district heat system** = zero new emissions
- Utilize **expertise of Superior Pellet Fuels** to grow firewood business, enhance pellet and compressed log products



Locally-made, locally-harvested high-quality heating options that are efficient, reliable, and environmentally friendly.

AURORA
ENERGY SOLUTIONS



10+ YEARS OF EXPERIENCE

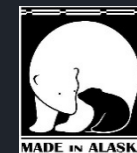
NOW OPERATING UNDER NEW OWNERSHIP



Superior Pellet Fuels has been a leader in biomass/renewable energy products for Interior Alaska since 2010

- Acquisition finalized in June 2020
- Wood pellet and compressed log manufacturer, located in North Pole
- Products will be sold under Superior Pellet Fuels brand packaging; new packaging
- Products can be purchased at our North Pole facility, the downtown Fairbanks kiln location, Lowe's Home Improvement stores, and other smaller retailers
- New packaging for all products will be launched later this year

Proudly manufacturing



products!



**PREMIUM-GRADE
WOOD PELLETS**

*Sold by individual 40-lb. bags or by
the full ton (50 bags)*

**MADE WITH LOCALLY HARVESTED
TIMBER or SAWMILL RESIDUALS**

LOW-ASH, LOW-MOISTURE CONTENT

INSECT-FREE

NO ADDITIVES OR BINDING AGENTS

HIGH-QUALITY

ENVIRONMENTALLY-FRIENDLY

YEAR-ROUND SUPPLY

DELIVERY AVAILABLE TO LOCAL AREA

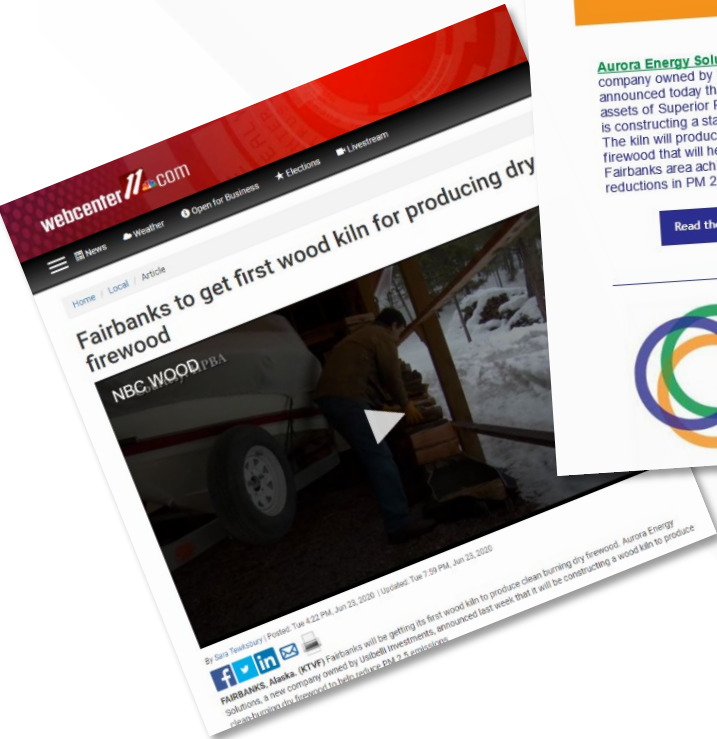
**COMPRESSED
LOGS**

*Sold by individual 5-log packages or
by the full ton (515 logs)*





Fairbanks First-Ever Wood Drying Kiln is Announced



Kiln-Dried Firewood Process



Thermal energy from Aurora Energy co-generation power plant provides energy for kiln operations; no new emissions will be created



Birch trees are primarily harvested from within 100-miles of the greater Fairbanks area



The logs are processed and cut to length in 16-inch sections and put into drying baskets.

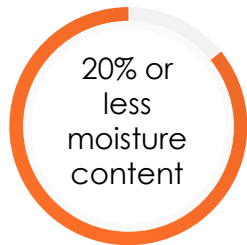


Series of coils and fans transfer heat through the wood- kiln. 48-cords of firewood can be dried in a 48-hour drying cycle



Benefits of Kiln-Dried Firewood

- ✓ Consistent, low-moisture content wood that can be burned immediately
- ✓ Free from bugs, fungus, and mold
- ✓ Lower moisture = better fireplace/wood stove efficiencies = less wood burned = savings for consumer + improved air quality
- ✓ Burning <20% moisture wood as compared to 40% moisture wood = 25% reduction in PM2.5



2018 Fairbanks Air Quality Stakeholders Group Task Force unanimously supported a wood-kiln that would allow for production of reliable, clean-burning supply of dry firewood.



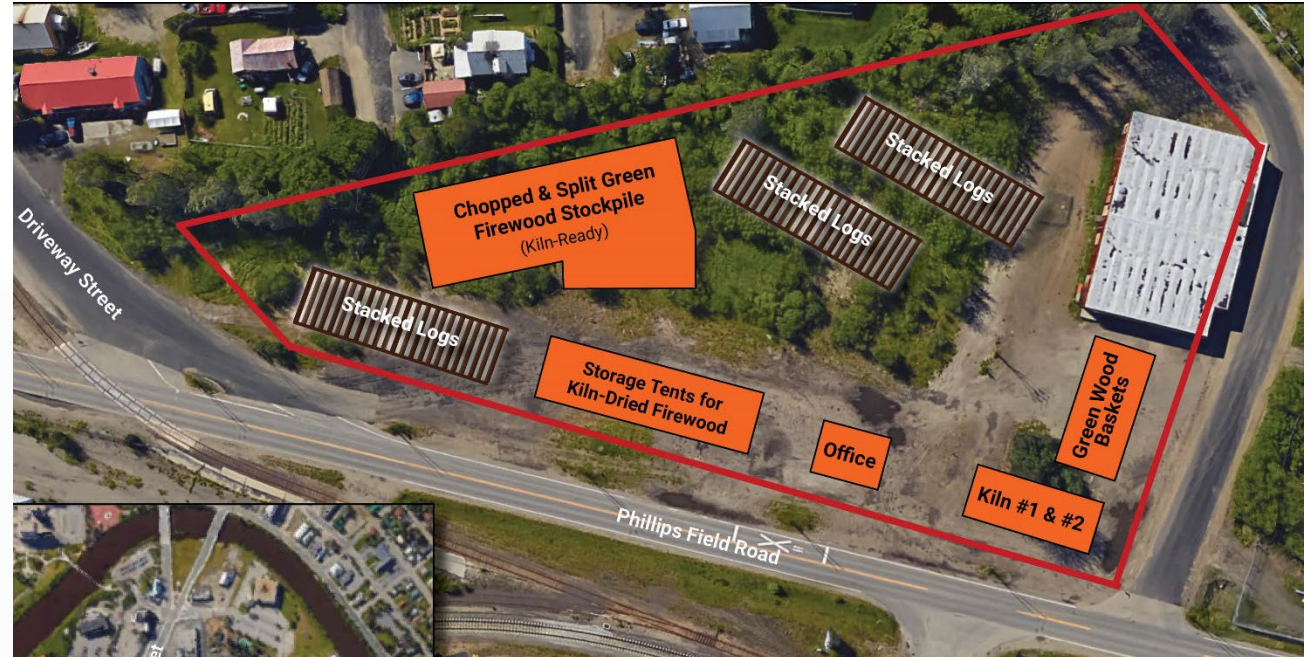
Located in Industrial Area



Residential and commercial sales



Kiln-dried firewood, pellets and compressed logs will be available at the Fairbanks & North Pole locations



Future Home of Alaska's ONLY Firewood-Drying Kiln



100 Cushman Street, Suite 210
Fairbanks, AK 99701

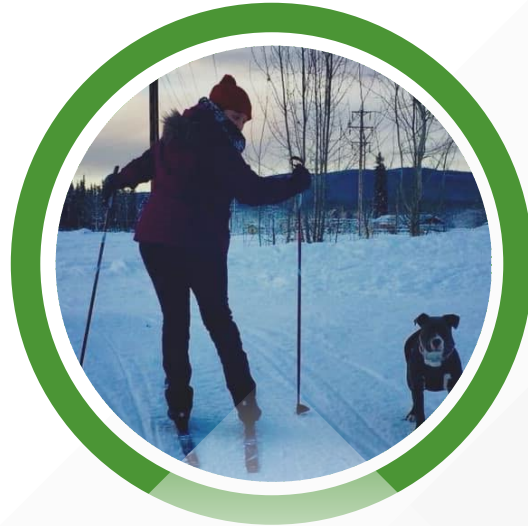
Phone: (907) 488-6055
Fax: (907) 451-6453

info@HeatYourWay.com
Follow Us on Facebook

Meet Our Leadership Team



CHAD
SCHUMACHER
General Manager



NIKKI
GARCIA
Office Manager



ROB
BROWN
President



Contact Us



Fairbanks Retail Office:

1205 First Ave.
Fairbanks, AK 99701



North Pole Manufacturing Office:

1595 Westcott Drive
North Pole, AK 99705



info@heatyourway.com
www.heatyourway.com



907-488-6055
@AuroraEnergySolutions – Alaska



THANKS

Aurora Energy Solutions, LLC

