

**REAL ESTATE DEVICE LIST**  
**EPA Phase 2 “White Tag” Hydronic Heaters**  
**Fairbanks North Star Borough PM<sub>2.5</sub> Nonattainment Area**

**Requirement not in effect, expected in Summer 2016**

This document lists all EPA Phase 2 “White Tag” qualifying hydronic heaters that are exempt from the requirement to remove or replace a wood-fired heating device inside the nonattainment area upon the sale, lease, or conveyance of the property where it is installed. Only wood-fired hydronic heaters that appear on this list are not required to be removed or replaced before the sale of the property where they are installed is sold, leased, or conveyed.

This requirement will go into effect when the nonattainment area is redesignated from ‘moderate’ to ‘serious’ by EPA, expected Summer 2016. DEC will post the effective date when EPA publishes notice in the Federal Register.

More information on the Real Estate Measure is available online at:

<http://dec.alaska.gov/air/PM2.5-Real-Estate.htm>

New Installations must meet current emission standards

<http://burnwise.alaska.gov/standards.htm>

Manufacturer Name	Model Name	Annual Avg Emission Level (lbs/million BTU)	Annual Avg Emission Rate (grams/hr)	EPA Phase 2 Qualified	Individual Test Run Max (grams/hr)	Max Heat Output Rating (BTU/hr)	Fuel Type
Alternate Heating Systems	Wood Gun E155	0.32	5.09	Yes	<18.0	147,632	stick wood; batch load
Aqua-Therm	Kunzel PK-10	0.21	0.7	Yes	<18.0	45,506	wood pellets; continuous feed
Aqua-Therm	Kunzel PK-20	0.13	1.2	Yes	<18.0	85,969	wood pellets; continuous feed
Central Boiler	E-Classic 3250 IR	0.18	3.8	Yes	<18.0	226,196	stick wood; batch load
Central Boiler	Maxim M255 P; Maxim M255 PE	0.04	0.8	Yes	<18.0	165,215	wood pellets; continuous feed
Central Boiler	E - Classic 1400	0.27	5.5	Yes	<18.0	209,316	stick wood; batch load
Central Boiler	E - Classic 2300	0.31	6.4	Yes	<18.0	172,343	stick wood; batch load
Central Boiler	E-Classic 1450	0.18	4.7	Yes	<18.0	214,271	stick wood; batch load



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Central Boiler	E-Classic 2400	0.12	3.3	Yes	<18.0	260,486	stick wood; batch load
Central Boiler	E-Classic 3200	0.08	3.3	Yes	<18.0	305,777	stick wood; batch load
Central Boiler	Maxim M2 50	0.06	1.6	Yes	<18.0	212,453	wood pellets; continuous feed
Earth	Klear Sky 400	0.29	5.1	Yes	<18.0	70,770	stick wood; batch load
Greentech	RS7300E	0.29	6.2	Yes	<18.0	189,599	stick wood
Greentech	RS7400-E	0.23	8.04	Yes	<18.0	296,192	stick wood; batch load
Hardy	KB125	0.30	4.09	Yes	<18.0	119,457	stick wood; batch load
Hardy	KB165	0.31	3.9	Yes	<18.0	139,629	stick wood; batch load
Hardy	KB220	0.31	4.5	Yes	<18.0	139,845	stick wood; batch load
Hardy	KBP 270	0.20	2.96	Yes	<18.0	120,000	wood pellets; continuous feed
Hargassner	WTH 100L/R	0.26	8.8	Yes	<18.0	331,320	wood chips; continuous feed
Hargassner	WTH 100S	0.10	3.9	Yes	<18.0	331,832	wood pellets; continuous feed
Hawken Energy	GX-10	0.14	2.2	Yes	<18.0	144,870	stick wood; batch load
Heatmor	400 4S	0.28	10.7	Yes	<18.0	376,409	stick wood; batch load
Heatmor	200 SSP	0.07	1.1	Yes	<18.0	162,793	wood pellets; continuous feed
Heatmor	200 SSR II	0.18	3.7	Yes	<18.0	204,934	stick wood; batch load
HeatSource1	Earth Energy Series 190	0.19	3.56	Yes	<18.0	189,093	stick wood; batch load
LEI Products	MBB-100	0.15	1.99	Yes	<18.0	91,300	wood pellets; continuous feed



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Mahoning Outdoor Furnace	Sky Series V	0.18	2.44	Yes	<18.0	101,420	stick wood; batch load
Marway Welding	Phase 2-200	0.26	3.75	Yes	<18.0	139,576	stick wood; batch load
Nature’s Comfort	GT-6000	0.22	5.7	Yes	<18.0	266,711	stick wood; batch load
Northland Dist. & Mfg Inc.	Pristine Series 1000	0.24	2.5	Yes	<18.0	82,968	stick wood; batch load
Northwest Manufacturing, Inc. (Woodmaster)	AFS 900	0.24	2.49	Yes	<18.0	107,069	wood pellets; continuous feed
Piney	Enviro Chip 500	0.19	5.4	Yes	<18.0	280,000	wood chips; continuous
Piney	Optimizer 350	0.30	7.3	Yes	<18.0	231,719	stick wood; batch load
Piney	Optimizer 250	0.23	4.7	Yes	<18.0	178,112	stick wood; batch load
Polar Furnace	G2	0.19	3.53	Yes	<18.0	182,073	stick wood; batch load
Polar Furnace	G3	0.08	1.96	Yes	<18.0	200,645	stick wood; batch load
Pro-Fab Industries	Empyre Elite 100 Empyre Elite XT100	0.24	2.5	Yes	<18.0	82,968	stick wood; batch load
Pro-Fab Industries	Empyre Elite 200 Empyre Elite XT 200	0.31	5.96	Yes	<18.0	185,983	stick wood; batch load
Pro-Fab Industries	Empyre Pro Series 200	0.27	8.4	Yes	<18.0	219,278	stick wood; batch load
Pro-Fab Industries	Empyre Pro Series 400	0.31	6.1	Yes	<18.0	209,119	stick wood; batch load
Steel Tech	G200	0.27	5.6	Yes	<18.0	295,285	stick wood; batch load
Steel Tech	G400	0.23	9.0	Yes	<18.0	335,010	stick wood; batch load
SteelTech	G100	0.07	1.0	Yes	<18.0	110,963	stick wood; batch load



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SteelTech	Heatmaster G200-2	0.07	1.7	Yes	<18.0	232,000	stick wood; batch load
Webiomass	Woodpecker	0.19	3.3	Yes	<18.0	153,000	wood pellets; continuous feed
Wood Boiler	E4	0.25	4.5	Yes	<18.0	161,455	stick wood; batch load
Wood Doctor	HE-5000	0.32	4.2	Yes	<18.0	135,094	stick wood; batch load
Wood Doctor	WD- HE8000	0.26	6.1	Yes	<18.0	248,411	stick wood; batch load
Woodmaster	Flex-Fuel 30 KW indoor/ outdoor	0.04	1.5	Yes	<18.0	117,022	stick wood; batch load
Woodmaster	Flex-Fuel 30 KW indoor/ outdoor	0.04	1.3	Yes	<18.0	110,167	wood pellets; continuous feed
Woodmaster	Flex-Fuel 60 KW indoor/ outdoor	0.04	2.6	Yes	<18.0	219,831	stick wood; batch load
Woodmaster	Flex-Fuel 60 KW indoor/ outdoor	0.16	2.3	Yes	<18.0	179,458	wood pellets; continuous feed

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