

**Attachment A. 2017 HeatSmart Mass:
Cost Adders- Modern Wood Heat**

| Factors | Adder (\$) | Adder units (if applicable) | High use adder? Please indicate if over 50% of systems will require this adder (Y/N) | Description of Cost Adder / Scope of Work |
|------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fuel Storage | | | | |
| Change to inverted cone bag | -\$900.00 | per system | N | This fuel storage bin is larger in size with similar capacity rated at 3-4 tons than the base assumption systems. If a project site has the space and would prefer to use this fuel storage, the per system cost would decrease by up to \$900. Most project sites do not typically have the space for this storage type. |
| OKoFEN PE Auger-fed system | -\$832.00 | per system | N | The base assumption price includes the installation of a vacuum fuel delivery system. If a project site has the available space and the preference for an auger-fed system, then the per system cost would decrease by up to \$832. Auger-fed systems require more space and are typically not applicable in most project sites. |
| Upgrade to 5 ton prefabricated bag (versus 3 ton in base system) | \$300.00 | per system | N | Upgrade to this bin requires more space which is not common. |
| Site built fuel storage | 3-5 ton site built storage \$3,600 | per system | N | This is not an option for any system we have yet found. Prefabricated bins are or have always been a better cost and space choice. As the nature of the design does not conform to any set drawing it is very difficult to provide estimates without a site-specific evaluation. The price range is included and will depend on site-specific conditions, if applicable. |
| Prefabricated metal fuel storage (e.g. silo) | Biomass silo systems outdoor 3-5 ton green metal silo \$3,800 | per system | N | Depends on size of silo and land features. As the nature of the design does not conform to any set drawing it is very difficult to provide estimates without a site-specific evaluation. The price range is included and will depend on site-specific conditions, if applicable. This is not typically installed for single-family residences, but might be a considered option for small-commercial projects. |
| Infrastructure Upgrades | | | | |
| Chimney Work | Standard 6" stainless liner - no repair required \$2,100 | per | N | We subcontract this service and the cost varies depending on the required work. A price range is provided and will depend on site-specific conditions. |
| Distribution System Upgrades | \$2,800-\$5,000 | per | Y | Under all conditions we have encountered it is required to replace the distribution system and near boiler piping. |