

**Estimated Regulatory Costs:**

7. Estimated costs in the aggregate to comply with the proposed action to:

a.) Private Persons: There are no direct reoccurring compliance costs incurred by private citizens as a result of these proposed regulations. Many of the proposed measures are already in place at a local level through the Fairbanks North Star Borough (FNSB) Ordinance 2015-01. There is the potential for direct costs, indirect costs, as well as cost savings to individuals in the following categories.

Cost Savings to Public Persons:

There is potential for a real cost savings to members of the public due to positive environmental quality and human health outcomes resulting from proposed revisions, particularly for individuals in sensitive population groups (elderly, children, asthmatics, and individuals with preexisting heart or lung conditions). Potential cost savings include reduction in medical costs, though a decrease in: hospital visits, hospital admittance, medication, and other medical costs associated with respiratory and cardiac illnesses triggered by high-levels of PM-2.5. Individuals in the nonattainment area could experience a cost savings from the reduced need to purchase equipment to mitigate for adverse air quality, for example the purchase cost for a HEPA Air Purifier typically ranges from \$150-\$900; further the ongoing cost of replacement filters for this piece of equipment ranges from \$20-\$100. Also, there is a potential for an increase in productivity due to a reduction in doctor visits, school absences, and loss of work days.

Quality of Life Benefits to Public Persons:

In addition, to the potential cost savings there is a potential for non-monetary benefits to the public received from a reduction in the frequency and or the reduction in intensity of air quality alert episodes, such as the increased ability to participate in and enjoy outdoor recreation activities, and the reduction in individual pain and suffering induced from health impacts triggered by direct exposure to high-levels of PM-2.5 emissions.

b.) Other State Agencies: None

c.) Municipalities: No known additional compliance costs. Evaluating these proposed regulations using the FNSB Ordinance 2015-01, as a baseline, there are no clear additional compliance costs imposed on FNSB or any other municipalities.