

FARMSTEAD ENERGY IMPROVEMENT

PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service—Practice Code 374



FARMSTEAD ENERGY IMPROVEMENT

Farmstead Energy Improvement is the development and implementation of improvements to reduce, or improve the energy efficiency of on-farm energy use.

PRACTICE INFORMATION

This practice is used to implement recommendations for components of a current energy audit performed in accordance with the American Society of Agricultural and Biological Engineers (ASABE) Standard S612, Performing On-farm Energy Audits.

Where required, certify that the replacement or retrofit system and related components or devices meet or exceed currently applicable federal, state, and local standards and guidelines.

Components of major activities by farm enterprises defined in ASABE S612 shall meet the appropriate NRCS or industry standard, such as:

- Heating Ventilating and Air Conditioning (HVAC) per American Society of Heating, Refrigerating and Air Conditioning

NRCS Conservation Practice Standards:

- Pumping Plant (Code 533)
- Combustion System Improvement (Code 372)

Engineers Standard 90.1-2010

- Ventilation fans per ASABE EP 566.1
- Greenhouse HVAC per ASABE EP406.4
- Motor efficiency per National Electrical Manufacturers Association MG 1-2009, Rev. 2010

COMMON ASSOCIATED PRACTICES

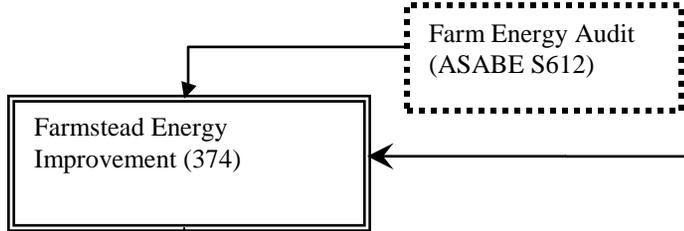
Farm Energy Improvement is commonly used in a Conservation Management System with practices such as Pumping Plant (533), Combustion System Improvement (372) and Critical Area Planting (372).

For further information, refer to the practice standard in the local Field Office Technical Guide and associated job sheets and specifications.

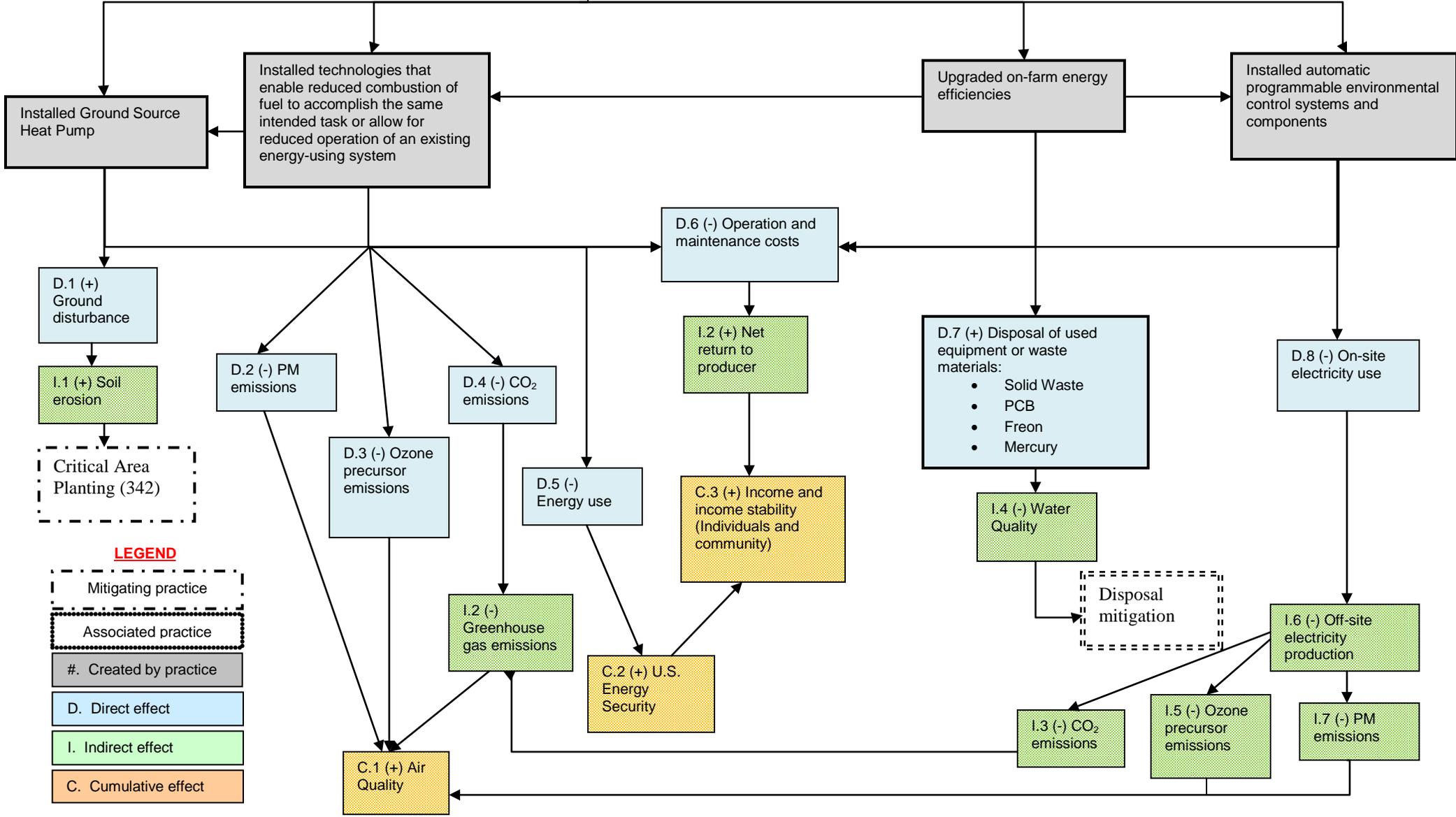
The following page identifies the effects expected to occur when this practice is applied. These effects are subjective and somewhat dependent on variables such as climate, terrain, soil, etc. All appropriate local, State, Tribal, and Federal permits and approvals are the responsibility of the landowners and are presumed to have been obtained. Users are cautioned that these effects are estimates that may or may not apply to a specific site.

Farmstead Energy Improvement

1/25/12



Initial Setting: On-farm energy audit completed with recommendations to implement measures that will reduce energy use or increase energy efficiency.



LEGEND

- .- Mitigating practice
- .-.- Associated practice
- #. Created by practice
- D. Direct effect
- I. Indirect effect
- C. Cumulative effect

