

# POSEY SOLAR PROJECT

## MANAGEMENT PLAN FOR AREAS WITHIN FENCE

August 18, 2021

Areas within the fence line and those areas adjacent to the fencing not classified as vegetative screening or vegetative setback areas will be referred to as Production Areas in this document. Following completion of the solar panel and infrastructure installation, Production Areas shall receive a final seeding with a seed mix appropriate for creation of dense, low growing herbaceous vegetation. The following items address short-term and long-term maintenance that will be completed by the project owner within the Production Areas.

### Monitoring Plan:

Monitoring of the site is required at least three times a year during the first three years (June, July, August) following final planting of the Production Areas. Monitoring will continue twice a year (June and September) each year following the third year of monitoring to determine maintenance needs beyond those included in the defined maintenance specifications in this plan.

- a. Monitor growth of the vegetation. Identify locations of bare soils and areas that have not achieved at least 70 percent of vegetated density.
- b. Identify locations of invasive species. "Invasive species" refers to both non-native species and native species that grow in an invasive manner or have the potential to negatively affect the development of planted native species, the solar arrays, and/or the success of the project.
  - i. At a minimum, the owner will monitor for and treat common Invasive species, including but not limited to: multiflora rose (*Rosa Multiflora*), autumn olive (*Elaeagnus umbellate*), Bush honeysuckle (*Lonicera maackii*), Purple loosestrife (*Lythrum salicaria*), Reed canary grass (*Phalaris arundinacea*), and Johnson grass (*Sorghum halepense*) within the Production Area.

### Short-Term Maintenance Plan:

#### Year 1 Maintenance:

1. Mowing:
  - Mowing shall occur within the Production Areas at an appropriate interval to ensure proper seed germination and to ensure the vegetation does not impact the solar panels.
  - Handheld trimming equipment may be used for areas within the Production Areas.
2. Inspection/Maintenance Requirements June, July & August:
  - Production Areas shall be inspected for encroachment of woody vegetation, areas with low vegetative density (<70% density), and invasive species.
  - Invasive species, noxious weeds, and woody vegetation that is starting to establish shall be controlled by hand removal, targeted mowing, and/or spot treatments of herbicide.
  - Herbicide shall be used as appropriate to control unwanted vegetation.

- Areas of low vegetative density (<70% density) shall be seeded with a temporary cover seed mix composed of Annual Rye (*Lolium*) and Seed Oats (*Avena sativa*) to protect soils from erosion during the Spring and Summer months.
3. Maintenance requirement in the Fall:
    - Areas of low vegetative density (<70% density) and areas seeded with the temporary seed mix shall be reseeded with the original approved seed mix.

#### Year 2 Maintenance:

1. Mowing:
  - Mowing shall occur within the Production Areas at an appropriate interval to ensure proper seed germination and to ensure the vegetation does not impact the solar panels.
  - Handheld trimming equipment may be used for areas within the Production Areas.
2. Inspection/Maintenance Requirements June, July & August:
  - Production Areas shall be inspected for encroachment of woody vegetation, areas with low vegetative density (<70% density), and invasive species.
  - Invasive species, noxious weeds, and woody vegetation that is starting to establish shall be controlled by hand removal, targeted mowing, and/or spot treatments of herbicide.
  - Herbicide shall be used as appropriate to control unwanted vegetation.
  - Areas of low vegetative density (<70% density) shall be reseeded with a temporary cover seed mix composed of Annual Rye (*Lolium*) and Seed Oats (*Avena sativa*) to protect soils from erosion during the Spring and Summer months.
3. Maintenance Requirements in the Fall:
  - Areas of low vegetative density (<70% density) and areas seeded with the temporary seed mix shall be reseeded with the original approved seed mix.

#### Year 3 Maintenance:

1. Mowing:
  - Mowing shall occur within the Production Areas at an appropriate interval to ensure proper seed germination and to ensure the vegetation does not impact the solar panels.
  - Handheld trimming equipment may be used for areas within the Production Areas.
2. Inspection/Maintenance Requirements June, July & August:
  - Production Areas shall be inspected for encroachment of woody vegetation, areas with low vegetative density (<70% density), and invasive species.
  - Invasive species, noxious weeds, and woody vegetation that is starting to establish shall be controlled by hand removal, targeted mowing, and/or spot treatments of herbicide.
  - Herbicide shall be used as appropriate to control unwanted vegetation.
  - Areas of low vegetative density (<70% density) shall be reseeded with a temporary cover seed mix composed of Annual Rye (*Lolium*) and Seed Oats (*Avena sativa*) to protect soils from erosion during the Spring and Summer months.
3. Maintenance Requirements in the Fall:
  - Areas of low vegetative density (<70% density) and areas seeded with the temporary seed mix in the spring shall be reseeded with the original approved seed mix.

## Long-Term Management Plan:

### Maintenance Requirements After Year Four Following Initial Planting:

1. Mowing
  - Throughout the growing season, mowing shall occur within the Production Areas at an appropriate interval to ensure proper seed germination and to ensure the vegetation does not impact the solar panels.
  - Handheld trimming equipment may be used for areas within the Production Areas.
2. Inspection/Maintenance Requirements in June:
  - Identify areas that are not maintaining strong native vegetated cover. Seed these areas with a temporary cover seed mix composed of Annual Rye (*Lolium*) and Seed Oats (*Avena sativa*) to protect soils from erosion.
  - Invasive species, noxious weeds, and woody vegetation that is starting to establish shall be controlled by hand removal, targeted mowing, and/or spot treatments of herbicide.
  - Herbicide shall be used as appropriate to control unwanted vegetation.
3. Inspection/Maintenance Requirements in September:
  - Areas of low vegetative cover and areas seeded with the temporary seed mix in the spring shall be reseeded with the original approved seed mix.
  - Invasive species, noxious weeds, and woody vegetation that is starting to establish shall be controlled by hand removal, targeted mowing, and/or spot treatments of herbicide.
  - Herbicide shall be used as appropriate to control unwanted vegetation.