

To: Mr. John Fowler | Community Energy, Inc. | 2101 King of Prussia Rd. | Radnor, PA.

Date: July 23, 2010

Re: Keystone Solar Farm, Lancaster County, PA.

Dear Mr. Fowler:

This letter is in response to your inquiry about the suitability of our No Mow fine fescue turf blend for planting around and below the solar panels at the Keystone Solar Farm. I have addressed each of your concerns below:

1) Soils and Climate

The No Mow fine fescue grasses are adapted to growing in the climate of southeastern Pennsylvania, and the well-drained sandy loam soils on the site. They will require no fertilization throughout the life of the planting. Fertilizing is not recommended for fine fescue grasses, as it only stimulate more leaf growth, which will increase plant growth and height, and possible necessitate more than one annual mowing.

2) Shade Tolerance

The fine fescue grasses in our No Mow blend are among the most shade tolerant of all turf grasses. We have successfully established No Mow lawn in closed canopy oak-hickory woodlands and red pine plantations. One advantage of growing the No Mow grasses in the shade is they typically do not flower. They maintain a lower profile, and often do not require an annual mowing to cut down the seedstalks in early June.

4) Fire Danger

Our No Mow turf mix typically remains green throughout the entire year. It seldom turns brown over winter, except in far northern climates during extremely cold winter (-40 degrees F.) with no snow cover. The presence of green grass at all times makes the turf highly resistant to fire. In the event that a fire did occur, it creeps slowly within the thatch layer of the grass at the ground level, never producing visible flames.

The only situation in which fire danger may occur is during extended summer drought, when the grass will enter a dormant period and turn brown. This rarely occurs on rich loamy soils such as those on the site. Due to the deeper rooting zone of the fine fescue grasses, they remain green longer than bluegrass and many other turfgrasses.

3) Drought Tolerance

The fine fescue grasses have deeper root systems and are more drought tolerant than a typical bluegrass turf. They can thrive in climates that receive as little as 20-25 inches of annual precipitation, approximately one half of that received on the Keystone Solar Farm site. They require even less moisture when planted in shaded conditions, due to less incoming solar radiation on the plants and reduced moisture stress.

I hope this addresses all of your questions regarding the feasibility of using our No Mow Lawn Mix at the Keystone Solar Farm. If I can be of further assistance, please do not hesitate to contact me.



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