



Wild Grains Solar Project

Exhibit F

Lighting Strategy

Case No. 21-0823-EL-BGN

Lighting Strategy

Wild Grains Solar Project

Hoaglin Township, Van Wert County, Ohio

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1.0 INTRODUCTION

Wild Grains Solar is a proposed 150-megawatt solar energy facility (the Facility) located in Hoaglin Township, Van Wert County, Ohio. Wild Grains Solar's intent is to provide sufficient lighting for the safety and security of the property and its operation, while minimizing glare, shadow, and light impacts to neighboring properties. Lighting will be selected for efficiency not only to conserve energy and limit excess light levels, but to be a better neighbor and maintain community character.

2.0 CONSTRUCTION LIGHTING

Lighting during construction is anticipated to be minimal, as the vast majority of work activities will be restricted to daytime hours. Some lighting may be required for security, such as at facility entrances and laydown yards. To the extent practical, such lighting will be oriented toward the interior of the Facility. Lighting used for limited nighttime construction activities will be portable and used only during the duration of the activity.

3.0 OPERATION AND MAINTENANCE LIGHTING

The general operation and maintenance of the facility requires limited lighting. Plans will be developed to provide for possible lighting at equipment locations and the collection substation. Lighting fixtures will be downward focused, shielded, and use automatic controls for illumination from dusk until dawn only, or at a lesser interval as appropriate. All outdoor lighting will be maintained in good working order and in a manner that serves the original design intent of the system.

3.1 Operational Lighting

Buildings and equipment (such as inverters) may require lighting to assure safe and secure facility operations. All such lighting will be shielded, directed downward, and mounted at a height no greater than 20 feet. Portable lighting may be used for necessary nighttime maintenance activities. Such lighting will only be used when necessary and, to the extent practical, such lighting will be oriented toward the interior of the Facility while in use.

3.2 Substation Lighting

The collection substation may require overnight lighting to maintain safe and secure facility operations. Lighting will be shielded and downward facing and installed to comply with applicable North American Electric Reliability Council (NERC) requirements.

4.0 LIGHTING COMPLAINTS

Lighting will be limited in terms of quantity of fixtures and lighting levels to the minimum necessary for safety and regular operation. Wild Grains Solar recognizes that lighting may be perceived to affect neighboring properties and will address concerns expressed about potential lighting impacts during construction, operation, and decommissioning of the facility through its complaint resolution process.

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Summary: Application Exhibit F - Lighting Strategy electronically filed by Teresa
Orahood on behalf of Herrnstein, Kara