

APPENDIX B

Best Management Practices and Applicant Committed Design Features

Site-Specific Best Management Practices and Applicant-Committed Design Features

Milford Solar Phase II, LLC (Milford) is committed to minimizing the environmental impacts from construction and operation of the proposed Milford Solar Phase II Project (Project) consistent with standard Best Management Practices (BMPs) and Applicant-Committed Design Features (ACDFs). The BMPs and ACDFs are summarized in Table B-1 and are organized according to the primary resource that would be protected by the BMP and/or ACDF.

Table B-1. Best Management Practices and Applicant Committed Design Features

Resource of Concern	Impact Summary	BMPs and ACDFs
General	Not Applicable	<p>All terms and conditions of the Beaver County Conditional Use Permit and BLM ROW agreement will be followed during Project construction, operation, and decommissioning.</p> <hr/> <p>Milford will provide notification and will obtain right-of-way permission, as necessary, from operators of pipelines, transmission lines, railroads, and/or state or county roads to be crossed or paralleled by Project features prior to crossing said utilities. Determining the names and contacts for these operators will be the responsibility of Milford. Prior to commencing construction, the contractor will notify utility companies with existing utility lines in the vicinity of the Project (via the One-Call system or similar utility notification system) for field marking.</p> <hr/> <p>Prior to construction, supervisory construction personnel will be instructed on the protection of cultural and ecological resources.</p> <hr/> <p>A Reclamation Plan as approved by Beaver County and BLM will be developed prior to initiation of construction activities.</p> <hr/> <p>Vehicle speeds along all access roads will be limited to 35 miles per hour</p> <hr/> <p>Clearing, grading, and other disturbance of soil and vegetation will be limited to the minimum area required for construction. The spatial limits of construction activities will be predetermined, with activity restricted to and confined within those limits with the use of flagging.</p> <hr/> <p>No permanent discoloring agents will be applied to rocks, vegetation, structures, fences, etc. to indicate survey limits.</p>
Agriculture and Land Use	The Project would result in the long-term conversion of agricultural land to an industrial use.	<p>Structures that are currently in-use and that are damaged by the Project, such as terraces, levees, underground drainage systems, irrigation pipelines, canals, culverts, and ditches, will be restored to preconstruction conditions. Milford will minimize disturbance to existing fences and other improvements and will promptly repair damaged improvements to their original state or better.</p> <hr/> <p>Cattleguards will be installed where any proposed high-use access roads within the Project area crosses a fence line.</p> <hr/> <p>Cuts or breaks in fences or natural barriers used for livestock control will be temporarily fenced to prevent passage of livestock during construction activities. After construction is completed in that area, the original fence or natural barrier will be reestablished to pre-construction condition.</p>

Resource of Concern	Impact Summary	BMPs and ACDFs
Air Quality	Construction activities would generate temporary fugitive dust emissions.	<p>A Dust Control Plan will be developed prior to initiation of construction activities. Dust control and suppression will be provided throughout the construction period to protect surface soils from wind erosion and to minimize fugitive dust from construction activities. Dust control will be accomplished by watering or by the application of a chemical dust suppressant.</p> <p>A maximum speed limit of 30 mph during construction and operation will be established to reduce the generation of fugitive dust and protect wildlife. On all county and state roads, county road speed limits will be followed.</p>
Cultural Resources	Construction activities may impact known locations of cultural resources and previously undiscovered cultural resources.	<p>Adverse impacts to cultural resources that are eligible for the National Register of Historic Places will be avoided or minimized through Project design and layout, or mitigated by development and implementation of a Historic Properties Treatment Plan (e.g., testing and, if warranted, data recovery).</p> <p>An Archaeological Resources, and Human Remains Discovery Plan will be developed prior to initiation of construction activities.</p>
Fire Management	Construction activities would introduce potential ignition sources to the landscape, which could cause a wildfire.	<p>Milford will implement measures for prevention and suppression of fire in the Project area. When welding, grinding, cutting or conducting other similar, spark-producing work, an area will be chosen that is large enough to contain the sparks and is naturally free of flammable vegetation, or the flammable vegetation will be removed in a manner compliant with the permitted activity. If adequate clearance cannot be made, an area large enough to contain all sparks will be wet down prior to the activity and periodically throughout the activity to reduce the risk of wildfire ignition. Regardless of clearance, readiness to respond to an ignition will be maintained at all times. In addition, at least one fire extinguisher and one shovel per person will be on hand during this activity. Project personnel will be instructed as to individual responsibility in implementation of these measures.</p> <p>Construction equipment and vehicles will be equipped with approved exhaust mufflers or spark arrestors to prevent accidental wildfires. Construction crews will carry at least one fire extinguisher and shovel to minimize the potential for wildfires to spread. If a fire spreads beyond the capability of workers with the stipulated tools, all will cease fire suppression action and leave the area immediately via pre-identified escape routes.</p> <p>The appropriate Interagency Fire Center will be notified immediately of the location and status of any escaped fire or 911 will be called. For Beaver County, notify the Color Country Interagency Fire Center at 435-865-4600.</p> <p>Fire-resistant plant species will be prioritized for revegetation efforts.</p> <p>Vegetation will be trimmed and maintained within fenced solar array areas to approximately 4-6 inches.</p>

Resource of Concern	Impact Summary	BMPs and ACDFs
Hazardous and Solid Wastes	Construction activities may result in an accidental spill of hazardous materials.	<p>An approved Spill Prevention, Control, and Countermeasures Plan will be developed prior to initiation of construction activities. All applicable state and federal regulations for the storage and disposal of any hazardous material, including oil and fuel, will be followed. Hazardous materials will be stored in a manner that provides secondary containment. Where space allows, transfer of hazardous materials will also occur within secondary containment. Personnel will be trained in the proper handling, use, storage, and cleanup of hazardous chemicals used on site.</p> <p>A Phase I environmental site assessment will be conducted prior to construction.</p>
Noxious Weeds	Project activities may facilitate the recruitment of noxious weeds.	<p>A Weed Management Plan as approved by Beaver County and BLM (as applicable) will be developed prior to initiation of construction activities. Noxious weeds will be controlled within the limits of the Project area for the life of the Project. Noxious weeds are defined as those listed by the Utah Commissioner of Agriculture under the Noxious Weed Act and those declared noxious by Beaver County. Weed control will consist of manual, mechanical, biological, or chemical methods. If herbicides are used on the site, their application will be conducted in accordance with accepted methods.</p> <p>Milford will complete a noxious weed inventory of the Project area prior to initiation of construction activities, and areas that are found to contain noxious weeds prior to or during construction will be avoided and/or treated prior to disturbance</p> <p>All large civil equipment will be cleaned and/or inspected before mobilizing to the construction site to prevent any possible carrying or transferring of noxious weed seeds.</p> <p>Only weed-free gravel, fill, and road base will be used when constructing the access roads. Only mulch that has been certified to be weed free will be used for erosion control. Reclamation efforts will utilize certified weed-free seed and certified weed-free mulch to prevent the spread of primary noxious weeds.</p>
Paleontological Resources	Construction activities may impact previously undiscovered paleontological resources.	A Paleontological Discovery Plan will be developed prior to initiation of construction activities.
Soils	Construction activities would destabilize soils, causing erosion and sedimentation into nearby waters.	<p>An Erosion and Sediment Control Plan will be developed prior to initiation of construction activities. Inspections will be conducted to monitor the success and maintenance of erosion control measures. The monitoring program will identify problem areas and corrective measures to ensure vegetation cover and erosion control.</p> <p>During temporary construction activities, topsoil will be stockpiled for use during reclamation. Following facility construction, areas that have been temporarily disturbed by grading or other earth-moving activities will be restored to the original contours of the land and consistent with future operating needs. Reclamation work may consist of recontouring eroded areas, extending waterbars, creating berms, installing rock barriers, establishing vegetation, and applying mulch to provide additional erosion control.</p>

Resource of Concern	Impact Summary	BMPs and ACDFs
Transportation and Access	Project activities may create hazardous conditions for vehicles along the public right-of-way.	<p>For public safety, appropriate road signs such as "Caution Heavy Truck Traffic" or "Be Prepared to Stop" will be used during construction.</p> <hr/> <p>All vehicle movement will be restricted to predesignated access points.</p>
Water Resources	Construction activities would destabilize soils, causing erosion and sedimentation into nearby waters.	<p>Construction practices will comply with the Utah Pollution Discharge Elimination System (UPDES) permit(s) required for the Project. The Project Stormwater Pollution Prevention Plan (SWPPP) will implement Best Management Practices (BMPs) to ensure compliance with the UPDES permit.</p> <hr/> <p>A Spill Prevention Control and Countermeasures (SPCC) Plan will be implemented to ensure protection of surface and ground water resources. The SPCC Plan will include specific measures such as restricting vehicle refueling or maintenance activities within 100 feet of any streambank, wetland, canal, or other drainage feature.</p> <hr/> <p>Solar arrays will be placed outside of floodplains, and development within floodplains will be limited to access roads and structures associated with power collection. Structures will be placed outside of drainage channels and floodplains to the extent possible.</p> <hr/> <p>Water bars will be constructed on permanent access roads to divert runoff to natural drainages, as needed. Roadside drainage ditches will be constructed on access roads as needed to reduce water flow and velocity. Permanent roads and parking areas will be constructed to provide drainage and minimize erosion. Culverts will be installed if necessary, to maintain drainage.</p>
Wildlife	Project activities may affect wildlife through habitat reduction, alteration, or fragmentation; introduction of invasive vegetation; injury or mortality of wildlife; fugitive dust; noise; exposure to contaminants; and interference with behavioral activities	<p>Preconstruction resource surveys will be conducted depending upon the timing of construction and the species that could be present. These surveys will be coordinated with the USFWS, UDWR, and/or BLM (as applicable) as necessary.</p> <hr/> <p>If vegetation-disturbing activities occur during the migratory bird nesting season (March 15 – July 31), migratory bird nesting surveys will be required to be conducted by qualified biologists one week prior to the activity. If active migratory bird nests are found, species-specific buffer zones will be created, marked, and avoided or monitored.</p> <hr/> <p>If construction activities occur within active raptor nest buffer zones, construction activities will be coordinated with the UDWR and BLM (when applicable) to establish appropriate monitoring and mitigation protocol, which may allow for construction to proceed.</p> <hr/> <p>The overhead powerlines will comply with the Avian Power Line Interaction Committee measures.</p> <hr/> <p>If construction activities occur during pronghorn fawning season (May 1 – June 30), construction activities will be coordinated with the Utah Division of Wildlife Resources and BLM to establish appropriate monitoring and mitigation protocol.</p>

Resource of Concern	Impact Summary	BMPs and ACDFs
Vegetation	The principal impacts to vegetation associated with construction and operation of the facilities would occur from 1) disturbance of existing communities, and 2) potential degradation of ecological conditions.	<p>Milford will complete a kit fox survey in accordance with the Filmore Field Office Kit Fox Protocol prior to initiation of construction activities. If active dens are present, construction activities will be coordinated with the Utah Division of Wildlife Resources and BLM (when applicable) to establish appropriate monitoring and mitigation protocol.</p> <p>To avoid the potential for mortality and harassment of wildlife, firearms and pets will be prohibited at work areas. Firearms carried by authorized security and law enforcement personnel are exempt from this condition.</p> <p>A Bird and Wildlife Conservation Strategy will be developed prior to initiation of construction activities.</p> <p>A litter control program will be implemented to reduce the attractiveness of Project sites to opportunistic predators such as common ravens, coyotes, and kit fox. All domestic trash will be promptly placed in covered containers which will be removed from the work site on a regular basis for disposal at an authorized facility.</p> <p>Temporary construction and maintenance activities will employ drive and crush operations to minimize permanent vegetation removal.</p>