

# Revised 1041 Submittal for Rawhide Solar Facility (Bison Solar)

## Introduction

Platte River Power Authority ("Platte River") has entered into a land lease and power purchase agreement with Bison Solar LLC for the development of the Rawhide Energy Station Solar Facility, also known as Bison Solar. Bison Solar LLC has retained juwi Inc., and its affiliates, to engineer, procure, and construct ("EPC") additional generation capacity at the Rawhide Energy Station site in northern Larimer County using solar photovoltaic panels and associated equipment. The project location and vicinity are shown on Map 1.

The 1041 Permit Map shows a revised conceptual layout of the proposed solar photovoltaic ("PV") plant, which will have a capacity of up to 30 MW (see Map 3). The proposed PV solar plant will be owned and operated by Bison Solar LLC on land owned by Platte River at the Rawhide Energy Station ("Rawhide"). The proposed Rawhide Energy Station Solar Facility will be partially adjacent to the existing coal-fired unit, five (5) natural gas combustion turbine units and an existing electric substation. The proposed facility will consist of PV modules mounted on racking systems and arranged in multiple blocks. Each block will include at least one pad-mounted inverter and transformer also known as a power station. The solar modules will be placed at least 1.5 feet off the ground. No overhead electrical lines are anticipated.

The revised Rawhide layout is the result of several months of site studies including the investigation of the site geotechnical engineering properties and overall site topography. These changes will lead to a more efficient land use and improve the overall constructability of the proposed solar facility.

Map 2 illustrates the new site arrangement and compares the project footprint that was identified in the September 30, 2014 1041 Permit Application with the revised project footprint that is currently being proposed. In the remainder of this submittal, the September 30, 2014 1041 Permit Application will be referred to as the Original 1041 Submittal.

## Project description

Map 3 shows the revised project footprint along with a larger 'bubble' that allows for some adjustments as the project design is finalized. The greatest extent area shown totals approximately 268 acres, but the intent is that the actual project footprint will be limited to approximately 185 acres, which is essentially the same size as the footprint proposed in the Original 1041 Submittal.

## Consistency with County Master Plan

### Site Overview

Despite the changes to the project configuration, the overall setting remains very similar to that described in the Original 1041 Submittal. As shown in Map 2, some portions of the project layout remain within the original footprint, including the areas located immediately north and east of the substation. This portion of the project was addressed in the Original 1041 Submittal. Note also that a large portion