SolaireHolman 1 LLC
50MW Solar PV Project
Brewster County Commissioner’s Court
December 13, 2016
SolaireHolman Project Overview

Largest Solar Plant in the Largest County in Texas!

- 50 MWac Solar Photovoltaic Project, Single Axis Tracking
- Selling electricity to city of Houston and to ERCOT wholesale market
- Connecting to AEP/WTU Transmission Grid
  - Area transmission system reinforcements are underway
- Site is on 360 acres leased from Casner/Holman 6 Partnership ranch
  - West side of Hwy 67 NE of Alpine, 12 miles north of Alpine
- Project has executed agreements with:
  - County of Brewster
  - Alpine Independent School District (AISD)
  - Big Bend Hospital District
- Construction underway, current progress ~25%
- Will be operating in Spring 2017
Elements of a Utility-Scale Solar PV System

- Solar Array
- Inverter-Transformer: 1kV/34.5kV
- Transmission Grid 69kV
- Meter
- Step-up Transformer: 34.5/69 kV
- System monitoring
- 34.5kV AC
Solar Array Tracker and Module Mounting

DC string wiring
Construction Progress – July – Site Preparation

Site Preparation Contractor
Heath Turner
HATCO Construction
Construction Progress – September – Civil Work
Construction Progress – October - Structural
Construction Progress – November – Trackers & Modules

First Modules Mounted – Nov 30th
Construction Progress – December – Electrical
Step-up Substation – 69kV – 52 MWac
Construction – By The Numbers

Material Quantities

- 500 miles of DC wiring
- 700,000 linear feet of trackers
- 203,840 modules (solar panels)
- 28,028 I-beam piles
- 26 blocks
  - 98 rows/trackers
  - 80 modules per row
  - 1 inverter-transformer station
- 2,548 self-powered tracker motors
- 5 miles medium voltage AC cables
- 4 miles of game fence
- 2.2 miles overhead power line

People and Equipment

- 148 workers (week of Dec 2nd)
- 179 sea containers delivered
- 200 trucks delivered
- 100% piles delivered, 40% installed
- 100% trackers delivered, 15% installed
- 40% of modules delivered, 5% installed
- 12 telescoping forklifts
- 3 pile driving rigs
- 2 excavators
- 1 water truck, full time (dust control)
- 24-hour security guards
- 15,000 work-hours
- Zero accidents/injuries
THANK YOU!

Matt Held
VP, Asset Development
512-514-6117
mheld@solairedirect.fr

Site Manager
Francois Gressier
432-364-2044