Glen Canyon A Solar Project

Conditional Permit
Kane County, Utah

September 14, 2021

Agenda

1. About AES & sPower
2. AES Projects
3. Project Overview & Timeline
4. Project Background
5. Environmental Studies
6. Project Facilities, Construction & Operations

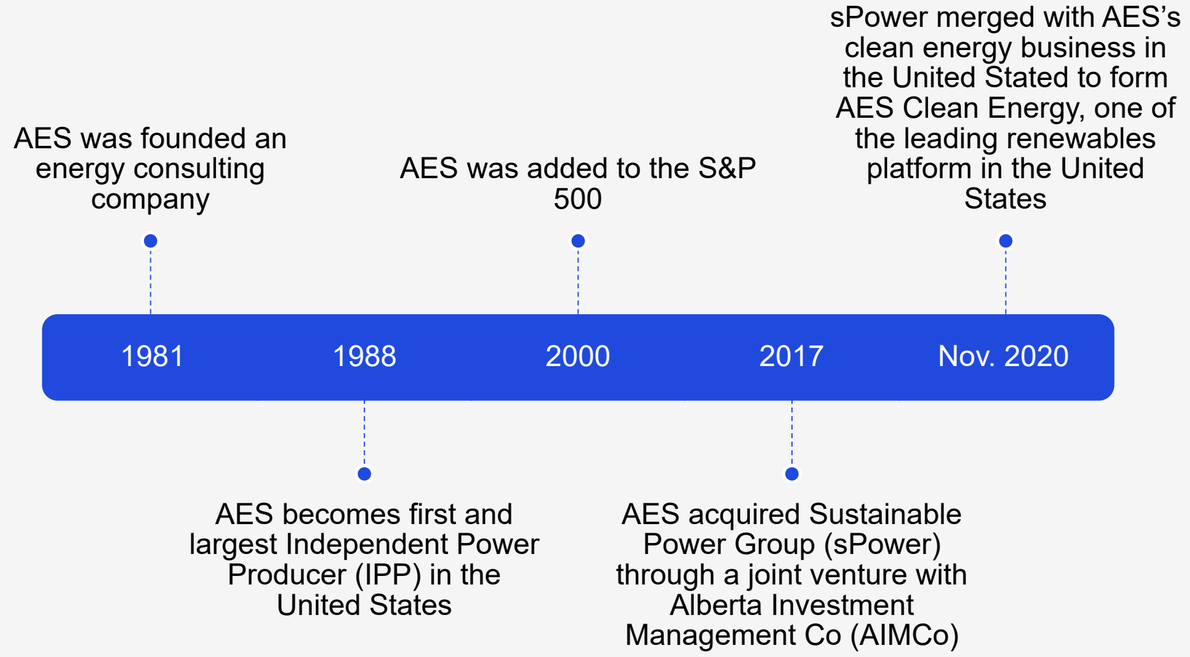
AES & sPower Background

sPower has been jointly-owned by AES and Alberta Investment Management Corporation (AIMco) since 2017.

- The AES-sPower merger began in November of 2020 and the transaction closed in January 2021.
- AES Clean Energy is headquartered in Salt Lake City, in the same location as sPower.

About AES

- One of the first, and oldest Independent Power Producers, started after power deregulation of the late 1970s
- 19,000 employees, operations in 17 countries
- 37 GW of generation



AES Projects (Mountain West)

Clover Creek Solar – Juab County, UT
80 MW – 575 Acres – To be completed 2021

East Line Solar - Pinal County, AZ
100MW – 850 acres - Completed 2020

Sandstone Solar - Pinal County, AZ
45MW – 315 acres - Completed 2015

Latigo Wind Park LLC - San Juan, UT
60MW - Completed 2016


Sandstone Solar


Latigo Wind Park

Project Overview

Project Capacity: 95 Megawatts (MW)

Project Site: Approximately 700 acres to be developed on a 1,560-acre Project Site

Location: 1.75 miles west of Big Water

Landowner: Utah School and Institutional Trust Lands Administration (SITLA)

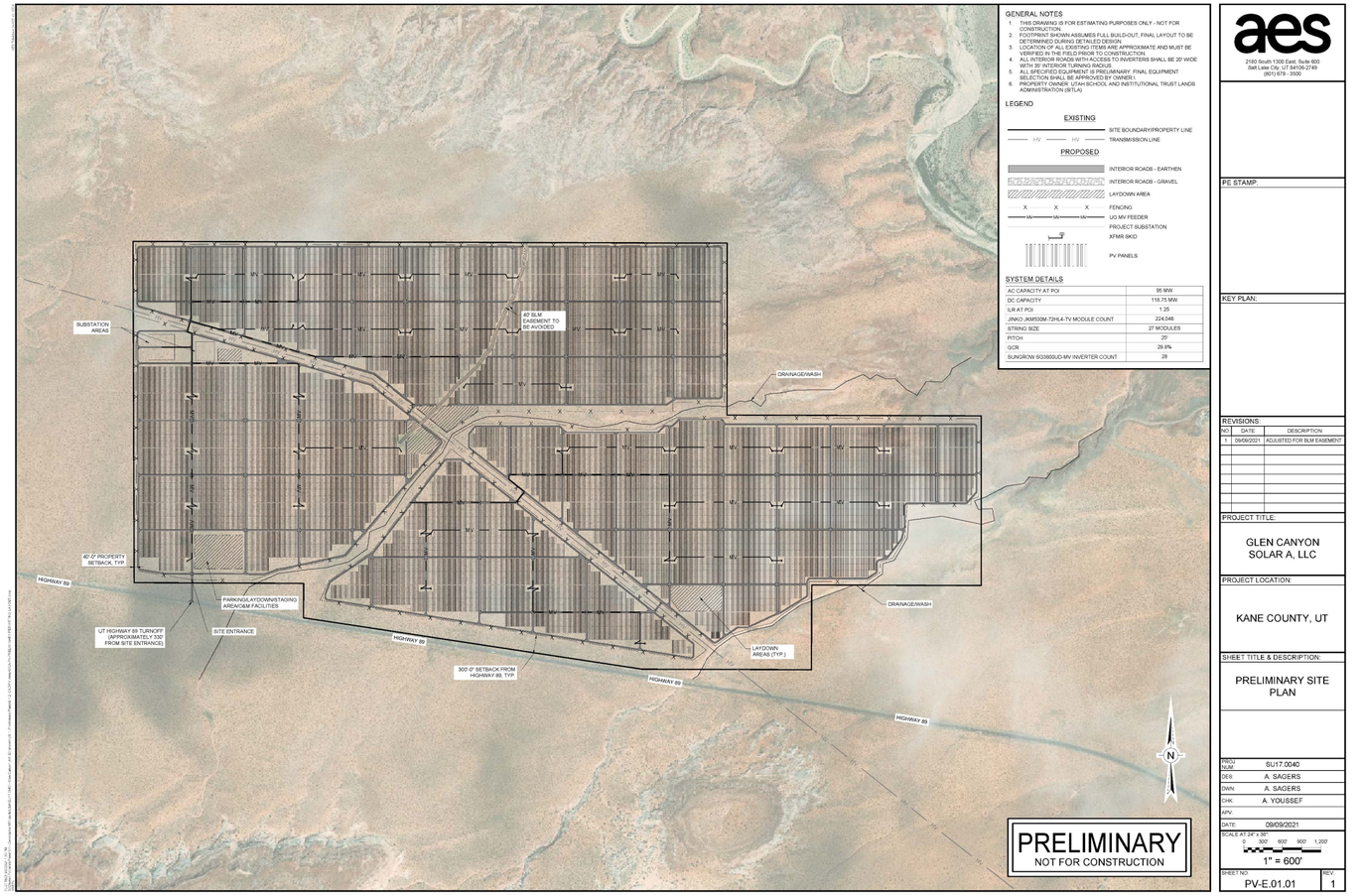
Interconnection: PacifiCorp 230-kV Transmission Line

Off-taker: PacifiCorp PPA

Begin Construction: January 2023

Commercial Online Date: December 2023

Glen Canyon A – Site Plan



Project Benefits

Glen Canyon A Solar is a low-impact, high-value economic development opportunity

Job growth opportunities provide employment to 200 – 300 workers each month during the 9-12 month construction period

SITLA land lease allocates funding to local schools over 30 years.

Property Tax value revenue increase

Glen Canyon A will help reach Utah's renewable energy goal of **25% by 2025.**

Glen Canyon A Solar
95MW = 118,750,000 kWh

The sum of reduction of greenhouse gas emissions is the equivalent to:

Carbon sequestered by

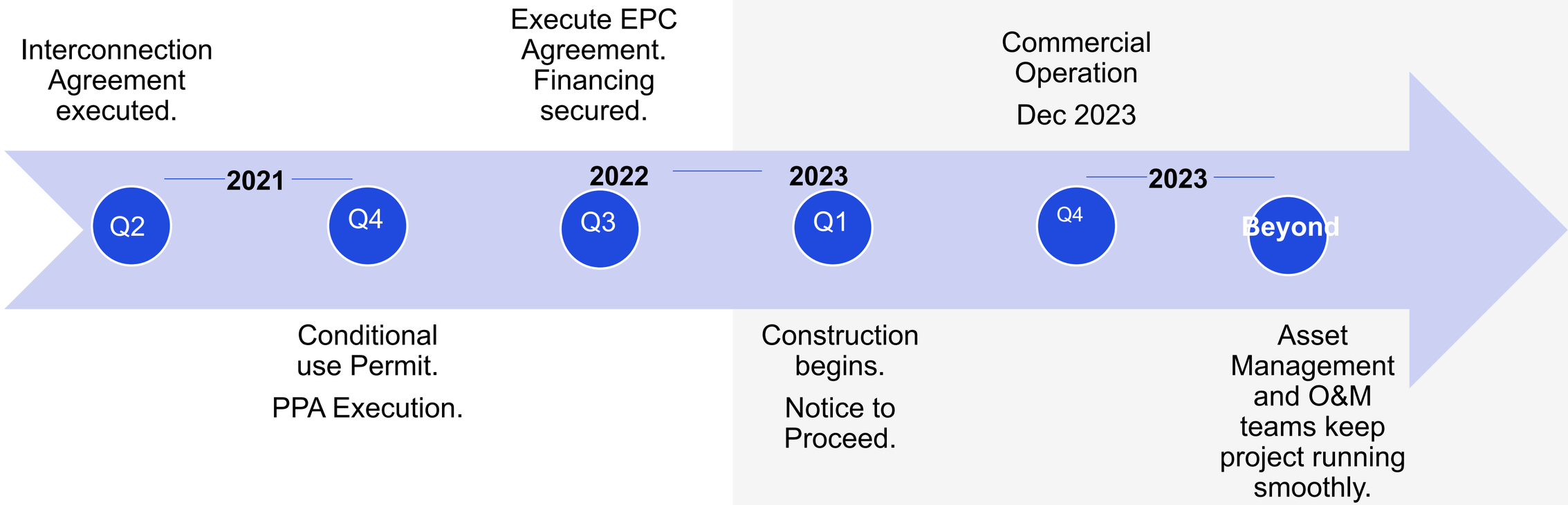
- **1,391,538** tree seedlings grown for 10 years
- -or-
- **103,106** acres of U.S. forests in one year
- -or-
- **575** acres of U.S. forests preserved from conversion to cropland in one year

CO_2 emissions from

- **9,469,567** gallons of gasoline consumed
- -or-
- **8,266,802** gallons of diesel consumed
- -or-
- **93,016,286** Pounds of coal burned
- -or-
- **1,114** tanker trucks' worth of gasoline
- -or-
- **10,134** homes' energy use for one year

Project Schedule

Glen Canyon A Solar



ONGOING

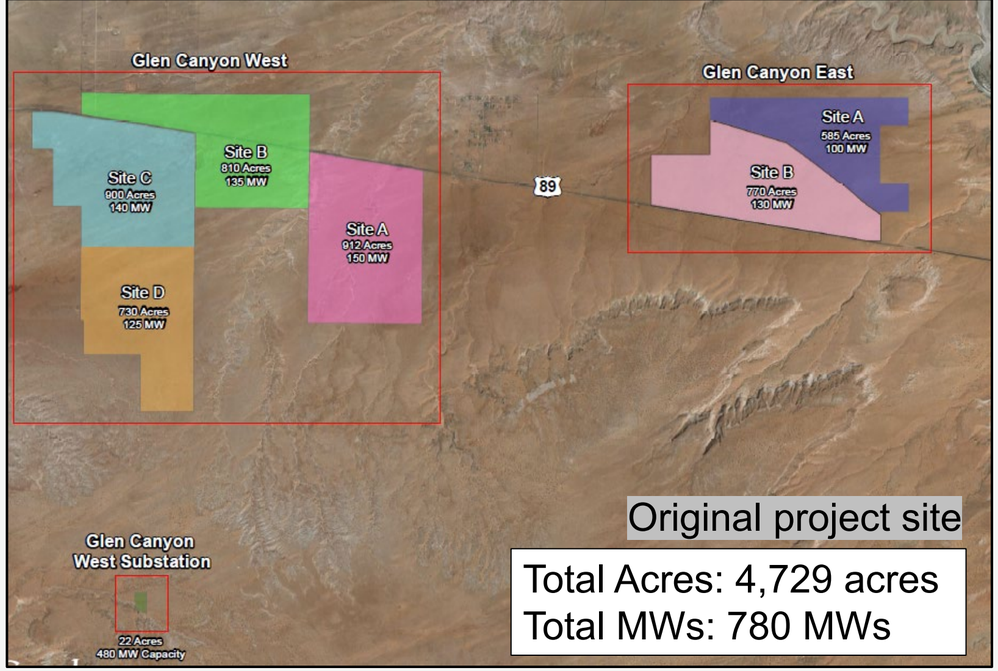
- Reporting / regular updates to local government and community partners
- Site visits and community outreach

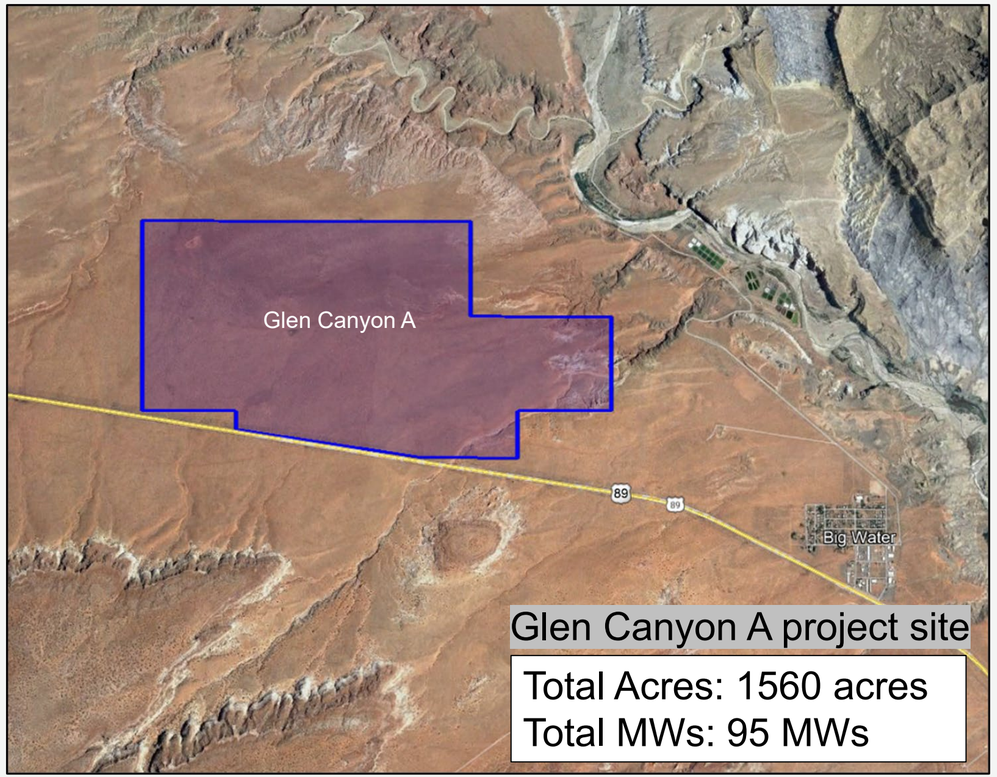
Project Background

- Sustainable Power Group (sPower) previously permitted a larger composite of projects in 2017 as shown in the figure.
- Limited commercial opportunities, PacifiCorp's queue reform and other interconnection and transmission issues caused the development of these projects to be discontinued, and our original Conditional Use Permits (CUPs) expired.

RFP Issuance

- PacifiCorp issued an RFP in July 2020 seeking 1,800 MW of solar, 595 MW of energy storage, and 1,920 MW of wind resources by the end of 2023.
- AES/sPower submitted Glen Canyon A to the RFP through PacifiCorp. The project was shortlisted on June 15th 2021 to execute a PPA with PacifiCorp as the offtaker with a COD of 2023.





Environmental Studies

Biological Resources – Low potential for threatened or endangered species.

Wetlands and Drainage – Small wetlands and drainage features were identified and will be avoided.

Cultural Resources – Class III Cultural Resources Inventory identified two small NRHP (National Register of Historic Places) eligible resources that will be avoided.

Traffic – Traffic Impact Study will be prepared in coordination with Utah Department of Transportation for Access Permit.

Geotechnical – Geotechnical Study will begin later this year to determine potential for geological constraints and hazards.

Project Facilities

The Project Facilities will consist of the following:

- Photovoltaic (PV) Modules
- Single Axis Tracker System
- Inverters and Transformers
- Switching Station
- Meteorological Station
- Supervisory Control and Data Acquisition (SCADA)
- Access Roads and Security Fencing
- Operations and Maintenance Facility

Project Construction

Construction is anticipated to last 8 – 10 months and can be broken down into three general phases.

Site Preparation – Construction of the Project would begin with initial clearing and grading (if required) of the staging areas. Access roads will be improved and locations for project facilities will be surveyed and flagged.

PV System Installation – PV system installation will include earthwork, grading, and erosion control, as well as erection of the PV modules, supports, and associated electrical equipment. Concrete will be required for inverter and transformer pads.

System Testing – Once construction is complete, project engineers will run a series of tests to ensure the facility is safely and accurately operating to exact specifications.

Project Operations

Remote Monitoring

- 24-7 / 365 days per year remote monitoring
- Supervisory Control and Data Acquisition (SCADA) System
- Automatic remote shutdown capabilities

Maintenance

- Minimal annual maintenance would be required
- AES will regularly inspect Project to ensure all components are operating properly
- AES construction and operations staff will be on-call in the event of a maintenance issue

Security

- Project can be fenced off with strict, electronically controlled security access gates
- All electrical equipment will be securely enclosed
- Security lighting and cameras

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