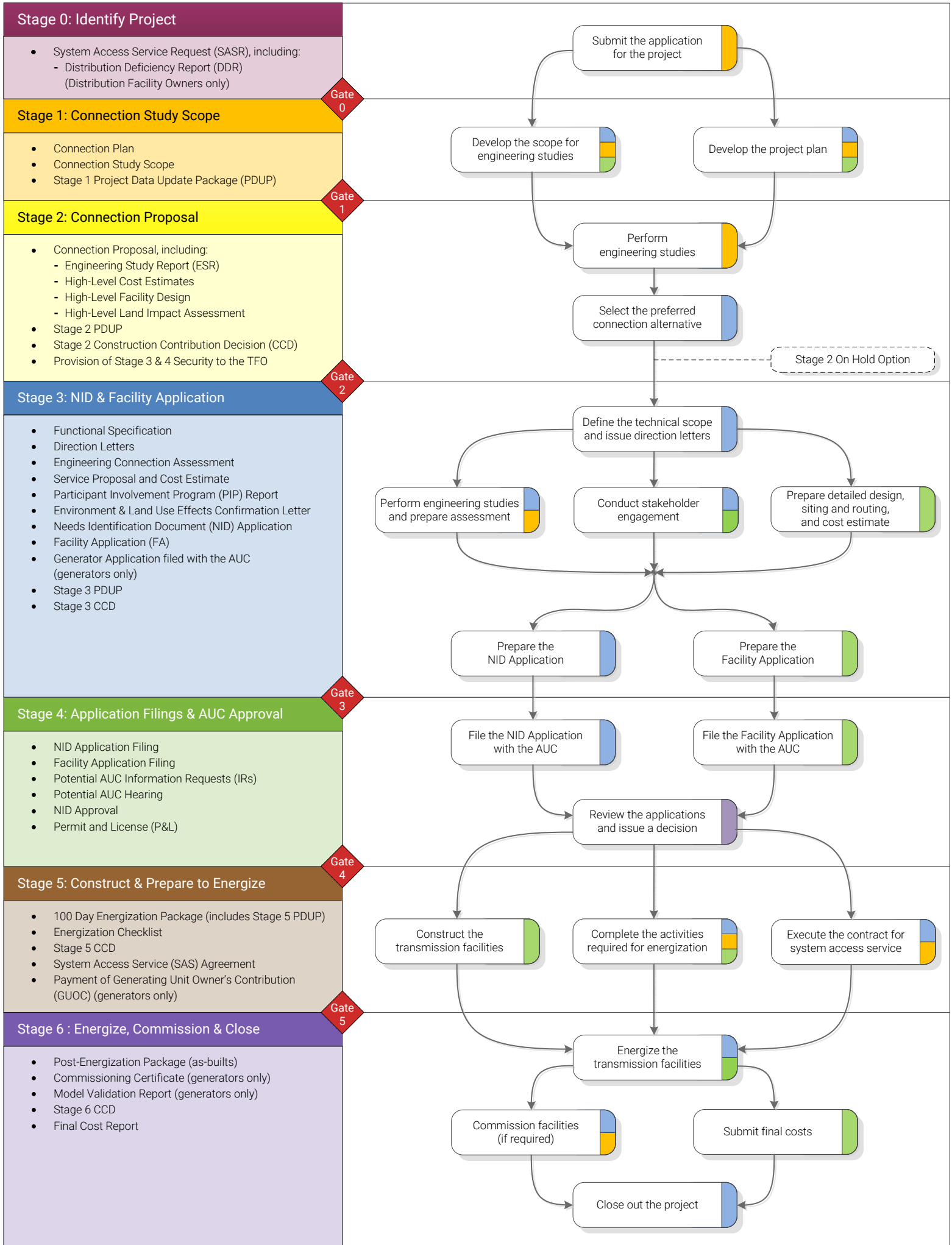


## Process Overview

- The Connection Process is followed when the AESO determines that a System Access Service Request (SASR) will require the addition or alteration of facilities on Alberta's transmission system.
- This process follows a gated approach and is designed to move projects through seven consecutive stages. Projects must complete all required deliverables for a stage in order to advance to the next stage.
- Below is a list of some of the key deliverables, and a high-level flowchart of important activities and involved parties. See [Connecting to the grid](#) on the AESO website for more detailed information.

### Who is involved in the process?

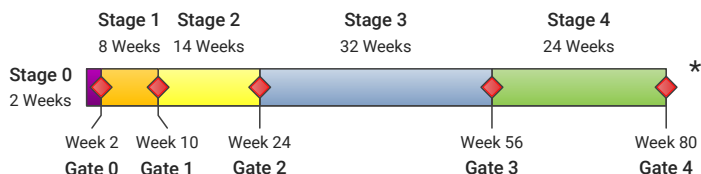
- Alberta Electric System Operator (AESO)
- Market Participant (MP)
- Transmission Facility Owner (TFO)
- Alberta Utilities Commission (AUC)



# Target Timelines

- The AESO sets performance targets and timelines with respect to processing System Access Service Requests for Connection Projects.
- Target timelines for the stage durations of Stages 0 through 5 are established in AESO Information Document #2018-018T, *Provision of System Access Service and the Connection Process*.
- While a target timeline of 16 weeks is set for Stage 5, this is the construction phase of the project and is affected by many factors, including the size of the project, seasonal construction, environmental factors, financing, and the status of customer facilities. As such, this stage has high variability in durations.
- Stage 6 is the closeout stage of the project, and does not have a target timeline set. Project closeout typically occurs six months after the project energizes.

## Connection Process – Target Timelines



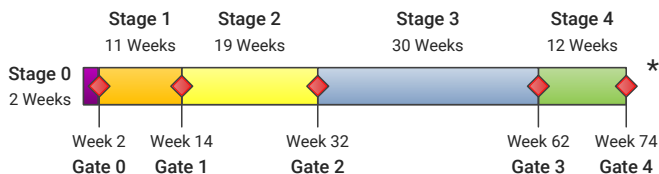
# 2019 Mid-Year Timeline Metrics

- Metrics on stage durations are published semi-annually to provide visibility of historic project performance compared to the established target timelines.
- The timelines shown below are derived from the median of the gate to gate durations for all stages that were completed in the previous two years.
  - Stages included were completed between Jul 1, 2017 to Jul 1, 2019.
- For reporting purposes, projects with similar characteristics have been grouped together to more accurately reflect their timelines.
- Projects have been shown to take from one to three years to obtain Permit & License from the AUC, prior to entering the construction phase. Multiple factors can influence project timelines, such as:
  - customer decisions on project details
  - location of the connection to the transmission system
  - overall project complexity
  - scope of transmission facilities required
  - the regulatory process established by the AUC

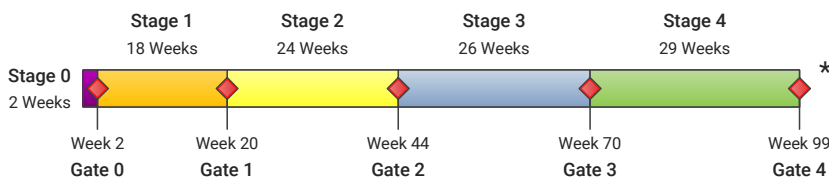
## How have projects been grouped?

- Load Projects – Brownfield:**  
Projects that are adding load or improving reliability, and only include changes to existing substations or transmission lines
- Load Projects – Greenfield:**  
Projects that are adding load or improving reliability, and include any new substations or transmission lines
- Generation Projects – Brownfield & Greenfield:**  
All projects that are adding generation of any kind, at either new or existing substations

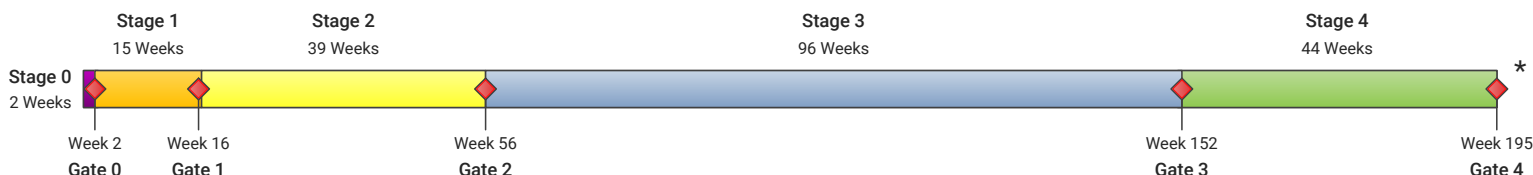
## Load Projects - Brownfield



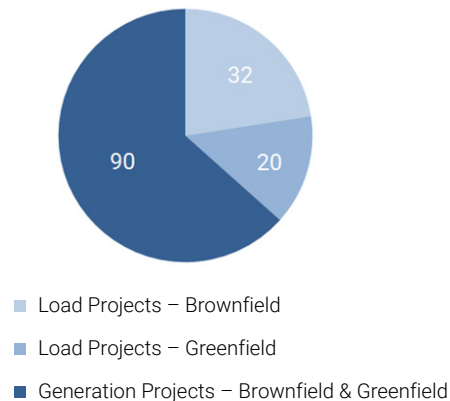
## Load Projects - Greenfield



## Generation Projects - Brownfield & Greenfield



## Active Connection Projects



\* Stage 5 has been omitted from the targets and metrics due to the high variability in construction durations  
Stage 6 has no target set for metrics reporting