

Dear CAISO planning staff,

Below is a transmission study request to alleviate the congestion of the Doublet Tap – Friars 138kV line constraint. This constraint has historically been one major constraint driven by different factors and has bound for significant hours and shadow prices. Calpine appreciates the CAISO's efforts and insights on this matter.

Below is Calpine's request:

"Calpine appreciates the opportunity provided by the CAISO asking for comments and economic transmission study requests. Per CAISO's February 07, 2020 Transmission Plan presentation (<http://www.caiso.com/Documents/Presentation-2019-2020TransmissionPlanningProcess-Feb072020.pdf>), the transmission congestion of Doublet Tap – Friars 138kV line is one of the top constraints in San Diego area. Calpine would like to request that the CAISO conducts an economic study to identify cost effective solutions to relieve the transmission congestion on Doublet Tap – Friars 138kV line in SDGE area. Transmission congestion can increase production costs because it prevents lower cost energy from serving customers. Calpine appreciates the CAISO's efforts and insights on this matter."

Thanks. Li Zhang

LI ZHANG

TRANSMISSION ANALYSIS

CALPINE CORPORATION