

ITEM: 8

SUBJECT: City of Tracy, Desalination and Green Energy Project, San Joaquin County

BOARD ACTION: *Informational Item*

BACKGROUND: The City of Tracy will provide an update on the proposed Tracy Desalination and Green Energy Project. The project will remove salt from wastewater through distillation. However, distillation is not considered a cost effective method of salinity removal because of the associated energy requirements. Therefore, to make this project economically feasible, the distillation facility is proposed to be constructed and operated in tandem with an ethanol production facility. Steam (from the salty wastewater) will be used in the ethanol process after which the stream will be condensed into distilled water. The distilled water will be blended with wastewater effluent, reducing the wastewater effluent salinity concentration. Residual waste heat will be used to dry brine into a salt cake.

The City of Tracy endeavors to reduce the salinity of its wastewater discharged to the south Delta through this proposed project.

ISSUES: None

RECOMMENDATION: This is an informational item only.

Mgmt. Review NM
Legal Review PEP
18/19 February 2016 Board Meeting
11020 Sun Center Drive #200
Rancho Cordova, CA 95670