

Motion to Authorize City Staff to Collaborate with CPS Energy to Develop Options for Seawater Desalination at the Barney Davis Power Plant

Nicholas J. Winkelmann, P.E.

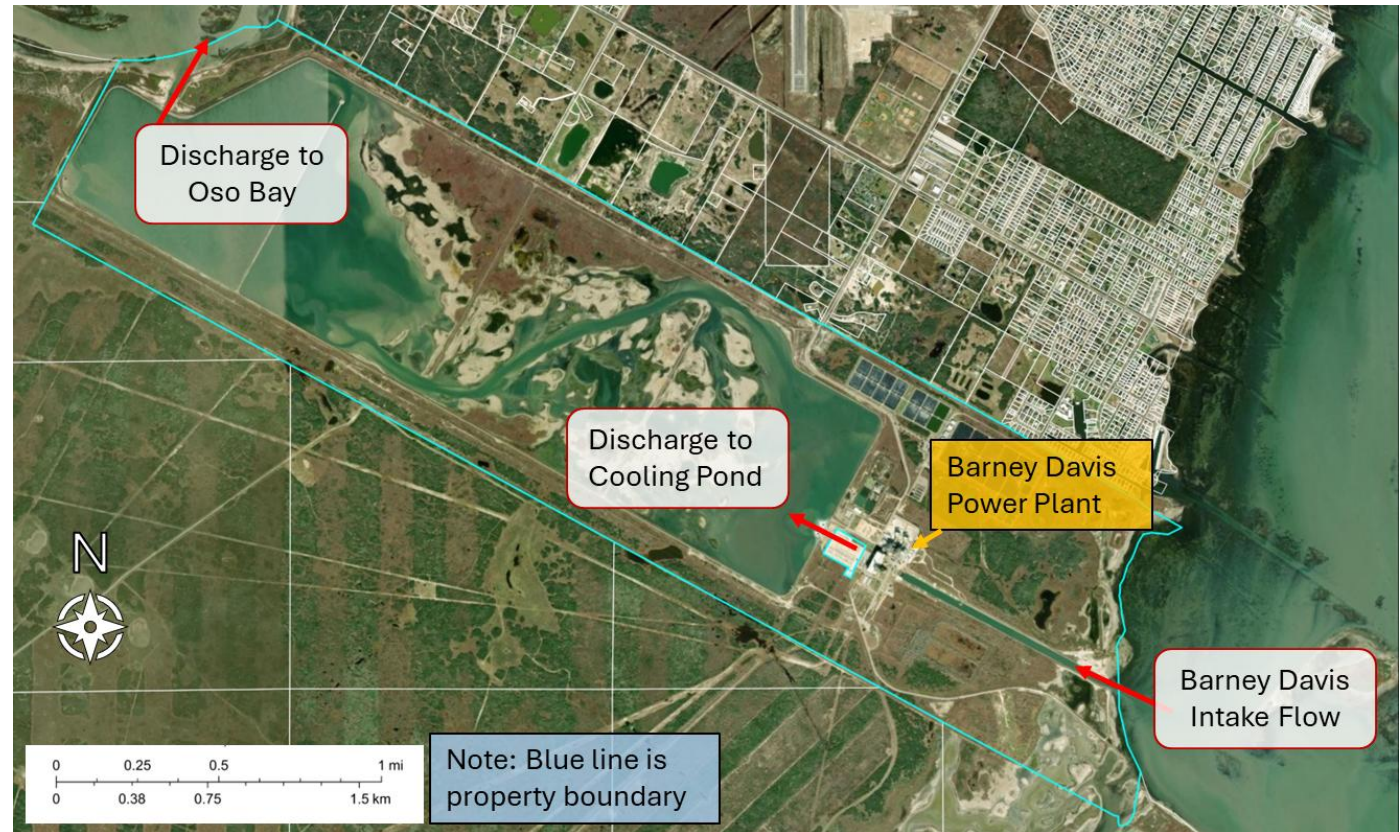
Chief Operating Officer - Corpus Christi Water

March 17, 2026



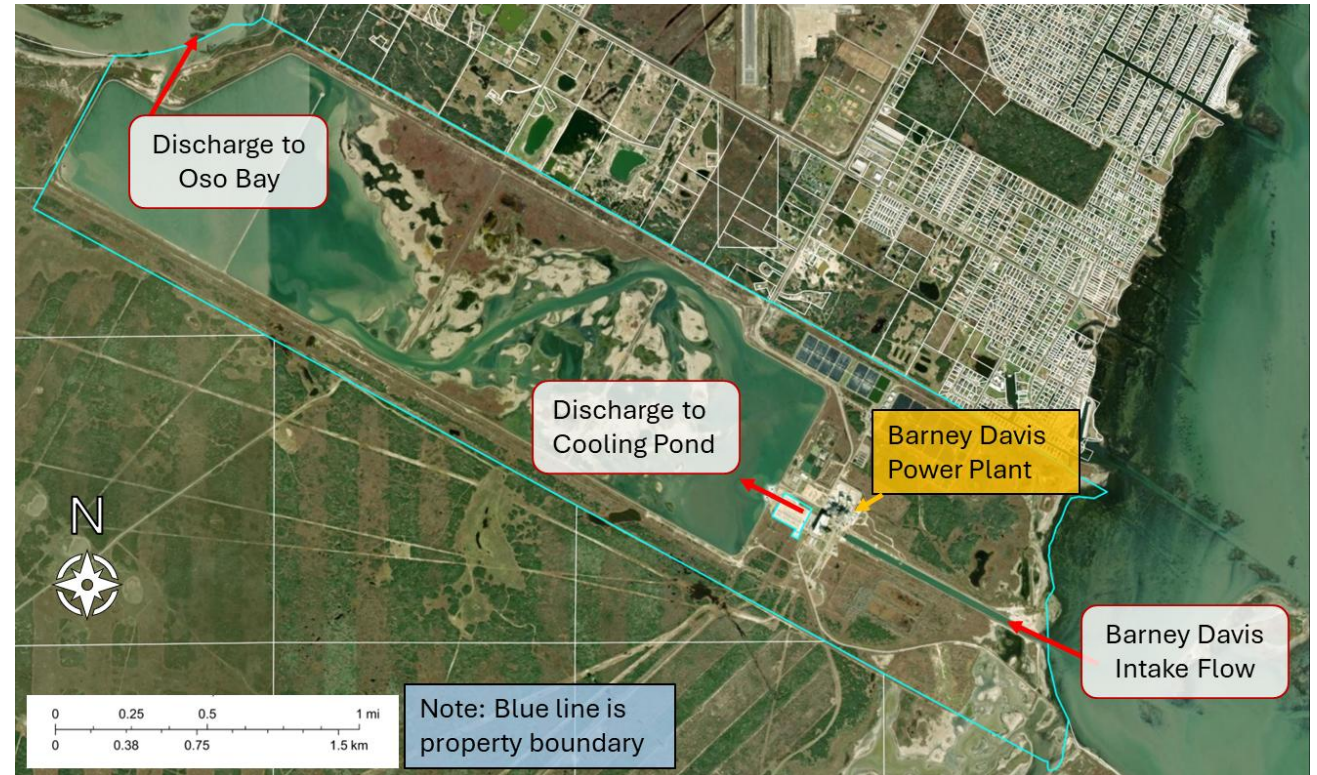
Barney Davis Power Plant

- Facility is owned by CPS Energy
- Authorized to take water from the Laguna Madre
- Intake permit of up to 500 million gallons per day (MGD) for cooling
- Property is large enough for a potential seawater desalination facility
- Previous work has been conducted to review the feasibility for a seawater desalination facility at Barney Davis Power Plant
- In February 2026, City staff discussed potential site development with CPS

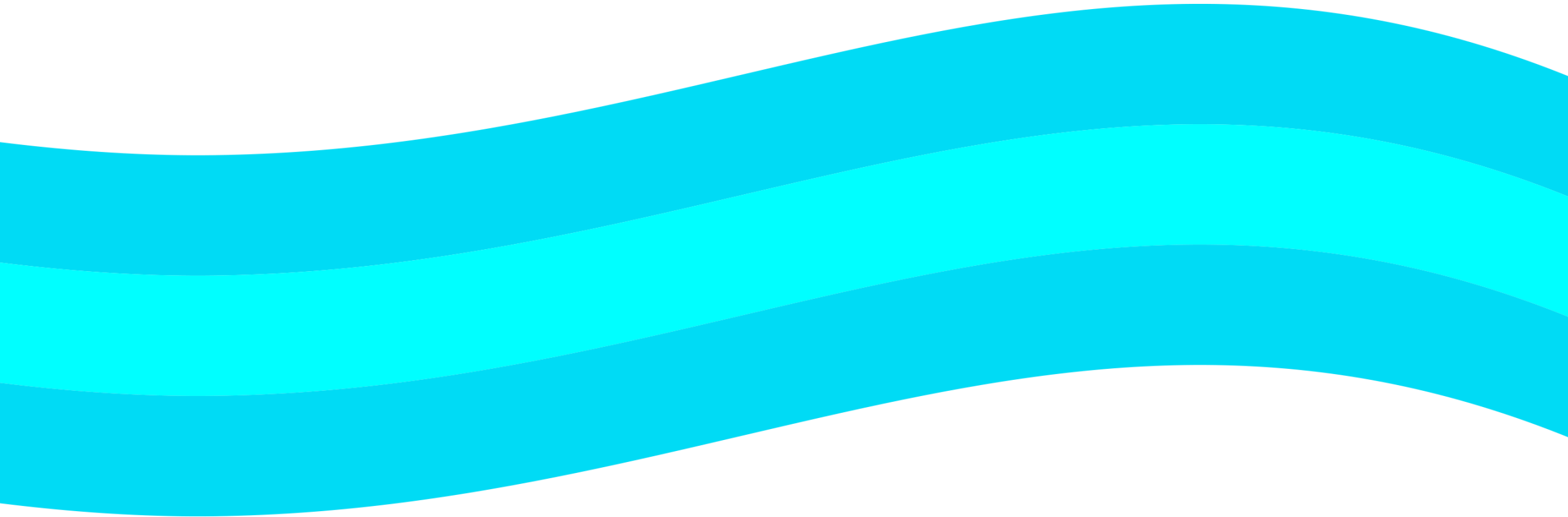


Considerations from CPS Energy

- CPS Energy would require a new discharge permit associated with a future seawater plant
- CPS Energy has stated its preference for the plant to be operated through a public private partnership (P3)
- CPS Energy has stated that power agreement would through a power provider and not directly with them
- The City would enter into a long-term water supply agreement with the P3 operator
- Possibility of utilizing a public utility agency (PUA) to develop the project



Staff recommends approval of this motion.



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