

Award of Contract for Electrified Rail Support Services

**TOPS Committee
Agenda Item 5
March 27, 2024**



Proposed Action

- **Award** a single source contract to United Engineering & Construction Management (**United ECM**) for a not-to-exceed total contract amount of **\$1,694,335** for a **two-year term**.
- United ECM will augment Caltrain staff with experienced personnel who specialize in traction power systems.

Purpose and Need

- Caltrain will soon take responsibility for the traction electrification system (TES).
- Neither Caltrain nor its contract operator, TASI, has direct experience operating or maintaining an electrified rail system.
- **Caltrain requires additional high-level expertise to ensure a safe, compliant, and successful transition from project closeout to launch of electrified revenue service.**

Contract Scope

United ECM will support Caltrain in four key areas:

- 1. PCEP contractor handover performance**
- 2. Reviewing TASI training and providing training**
- 3. TASI maintenance and operations implementation**
- 4. Caltrain process implementation**

United ECM will also provide as-needed oversight of 25kv traction power and OCS enhancement works.



Technical Review

Caltrain staff evaluated the qualifications and expertise of United ECM in the following areas:

- 1. Relevant Skills:** Necessary technical knowledge and skills in TES maintenance and safety protocols.
- 2. Industry Knowledge:** Strong understanding of traction power systems and regulatory compliance.
- 3. Past Performance:** Consistently deliver high-quality work on similar projects.

Cost Review

Caltrain staff conducted a thorough price analysis and determined that the proposed rates fall within the expected range compared to market benchmarks.

United ECM direct hourly rates will be \$127 for an Engineer and Project Manager position and \$100 for a Planning, Isolations & Training Manager.

Considering the complexity of the scope of services, the proposed costs are reasonable.



Single Source Justification

- United ECM worked with Balfour Beatty Infrastructure during construction as the technical lead to successfully implement Caltrain's traction power and OCS.
- United ECM has worked on other high speed and electrified rail systems in Europe. Their employees possess the specific expertise and knowledge of our infrastructure to assist Caltrain as the Owner's Engineer overseeing PCEP contractor handover performance and TASI maintenance and operations implementation.



Staff Recommendation

- 1. Award** a single-source contract to United Engineering & Construction Management of Los Angeles, California (United ECM) to provide Electrified Rail Support Services for a not-to-exceed total contract amount of \$1,694,335 for a two-year term.
- 2. Authorize** the Executive Director or designee to execute a contract with United ECM in full conformity with the terms and conditions set forth in the negotiated agreement, and in a form approved by legal counsel.

FOR MORE INFORMATION

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