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<b>08-AFC-10C</b>	
DATE	DEC 07 2009
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3180 Crow Canyon Place · Suite 216 · San Ramon, CA 94583  
· 925 866.2633 · 925 790.0011

December 7, 2009

Ms. Angelique Juarez-Garcia  
Compliance Project Manager  
California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814-5512

**Subject: Executed Memorandum of Understanding (MOU) for Design Review, Plan Check and Construction Inspection of the Lodi Energy Center Power Plant Project (08-AFC-10)**

Dear Ms. Juarez-Garcia:

As requested, please find enclosed one wet-signed copy of the MOU for Design Review, Plan Check and Construction Inspection of the Lodi Energy Center Power Plant Project (08-AFC-10).

We look forward to working with you and the Commission on this project. Should you have any questions or need additional information, please do not hesitate to contact me by phone at (925) 866-2633 or by email at [tbailey@trbplus.com](mailto:tbailey@trbplus.com).

Sincerely,

**TRB + ASSOCIATES, INC.**

Todd Bailey, PE, LEED AP, MBA  
Principal

Encl: Executed MOU (1 Copy)

**MEMORANDUM OF UNDERSTANDING (MOU)  
BETWEEN THE  
CALIFORNIA ENERGY COMMISSION  
AND  
TRB & ASSOCIATES, INC.**

**FOR DESIGN REVIEW, PLAN CHECK AND  
CONSTRUCTION INSPECTION OF THE  
LODI ENERGY CENTER POWER PLANT PROJECT  
08-AFC-10**

**RECITALS:**

- A. On September 10, 2008, Northern California Power Agency (NCPA), filed an Application for Certification with the California Energy Commission (Energy Commission) for approval to construct and operate the Lodi Energy Center. The 4.4 acre project site is located in the City of Lodi within San Joaquin County, California.
- B. In the event the Energy Commission approves the Project, the Energy Commission must ensure that the Project is designed, constructed, and operated in conformity with the Energy Commission's Decision (Decision), the California Building Standards Code (CBC), the local building codes adopted by the City of Lodi, and applicable laws, ordinances, regulations, and standards (LORS) to ensure health and life safety. The Decision contains the Conditions of Certification for construction and operation of the Project. Any work undertaken by the Chief Building Official (CBO) prior to the issuance of the Decision shall be performed at the sole risk of the CBO. The Energy Commission does not guarantee the approval of the Project by executing this MOU.
- C. If the Project is approved, the Decision will require that NCPA submit engineering plans, calculations, specifications, and other project-related information to the Delegate CBO for the Project, for review and approval, prior to and during construction of the Project. The intent of this requirement is to provide an independent review of the Project's final design and inspections of the Project's construction, to ensure compliance with applicable engineering LORS, the local building codes, the CBC, and the Facility Design, Geology, and Transmission System Engineering Conditions of Certification.
- D. The design review, construction inspections and necessary approvals prior to and during construction will be provided by TRB & Associates, Inc., a fully qualified third party contractor experienced in providing industrial building official services, acting as the Energy Commission's Delegate CBO to ensure independent review of the project.

**TRB & ASSOCIATES, INC. AND ENERGY COMMISSION STAFF AGREE AS FOLLOWS:**

1. The above recitals are incorporated into this agreement.
2. TRB & Associates, Inc. shall act as the Energy Commission's delegate for enforcement of local building codes; the CBC; the Facility Design, Geology and Transmission System Engineering Conditions of Certification; the Storm Water Pollution Prevention Plan and Erosion Control Plan (as directed by the Compliance Project Manager (CPM)); and other engineering LORS applicable to the Project to ensure health and safety. TRB & Associates, Inc. will also be responsible for the design review, plan check, and construction inspection of the foundation, anchorage, and connections for those building and non-building structures, process-related systems and equipment required for power and steam generation, and equipment located either inside or outside of buildings that are designated in Facility Design Condition of Certification GEN-2. Additions and deletions to GEN-2 will be made only with the CPM's approval. TRB & Associates, Inc., acting as the Delegate CBO for the Project, shall carry out these duties with all the rights and immunities afforded the Delegate CBO by the Codes. The ultimate responsibility for facility design, construction, and operational compliance remains with NCPA.
3. Although TRB & Associates, Inc. will function as the Energy Commission's delegate, the Energy Commission has the final authority and responsibility to ensure that the Project is built in accordance with the applicable engineering LORS and the Decision. The Energy Commission's legal authority to enforce the terms and conditions of its Decision is specified in California Public Resources Code section 25500 *et seq.* The Energy Commission may amend or revoke the certification for any facility and may impose a civil penalty upon the project owner for any significant failure to comply with the terms or conditions of the Decision.
4. To ensure compliance with the Facility Design, Geology, and Transmission System Engineering Conditions of Certification, and the applicable engineering LORS, the Delegate CBO is authorized to take any action allowed by the California Code of Regulations and law to ensure that the Energy Commission's interests are properly addressed and protected. If the Delegate CBO has issued, or is considering issuing, a stop-work order to ensure compliance, or to ensure that the Energy Commission's interests are protected, or for any other reason, the Delegate CBO shall seek the cooperation and assistance of the CPM appointed by the Energy Commission. The Delegate CBO shall notify the CPM in a timely manner, preferably prior to taking the action, so that the CPM is fully aware of the action taken or under consideration and its implication to the project. For any action taken under emergency conditions, the CPM shall be notified within 24 hours of the action.
5. In the performance of this agreement, TRB & Associates, Inc., its employees and subcontractors shall act in an independent capacity and not as officers or employees of the State of California.

6. The CPM appointed by the Energy Commission shall have the right to approve the qualifications of TRB & Associates, Inc. engineering and technical personnel and the scope of work they will perform. TRB & Associates, Inc. shall notify the CPM if there is any change in personnel assigned to the Project team. Replacement personnel shall not work on the Project until they are approved by the CPM.
7. TRB & Associates, Inc. may retain the services of one or more independent qualified subcontractor(s) to supplement TRB & Associates, Inc. employees in the design review, plan check, and construction inspection of the Project. The subcontractor(s) will answer directly to, and be responsible to, the Delegate CBO. The Delegate CBO shall provide the qualifications and scope of work of the subcontractor(s) to the CPM for approval at least ten days prior to the subcontractor's expected start of work. The Delegate CBO will retain responsibility for the construction inspections required by section 109 and Appendix Chapter 1, section 106.3.1 of the CBC and for monitoring special inspections required by sections 109, 1704 and 1709 of the CBC.
8. TRB & Associates, Inc. shall notify the CPM if there is any change in subcontractor(s) or subcontractor's personnel. Replacement subcontractor(s) or subcontractor's personnel shall not work on the Project until they are approved by the CPM.
9. TRB & Associates, Inc. shall require that its subcontractors have not previously been employed directly by the project owner or its agents at any time during the 12 months prior to the start of this agreement. TRB & Associates, Inc. shall also require that during the course of this agreement its subcontractors or its agents will not be directly, or indirectly, employed by the project owner or any entity of which it is a holding, subdivision, or subsidiary.
10. At the request of the CPM, the Delegate CBO, its subcontractor(s), and any special inspectors shall assist the CPM in any audits or inspections of the Project.
11. TRB & Associates, Inc. shall enter into a contract for the Project with NCPA for the payment of Delegate CBO services provided. The Energy Commission shall ensure that the fees charged to NCPA for the review and inspection services provided by the Delegate CBO and any subcontractors are reasonable. These fees shall be based on hourly rates, or as otherwise agreed to by the CPM. Payments to TRB & Associates, Inc. for work satisfactorily completed may be paid directly to TRB & Associates, Inc. in advance, in arrears, or from a credit account established with TRB & Associates, Inc. by NCPA. The contract between the project owner and TRB & Associates, Inc. shall include a provision that NCPA may not terminate the contract with, or payments to, TRB & Associates, Inc. without prior authorization of the CPM. At least ten days prior to execution of the contract between NCPA and TRB & Associates, Inc., the proposed contract must be submitted to the CPM for review and approval.
12. The CBO shall take all reasonable measures to accommodate NCPA's design and construction schedule, including, but not limited to, adding staff to its workforce and/or retaining the services of additional independent qualified subcontractors.

13. The Delegate CBO shall review and approve the selection of dynamic analysis and/or alternative methods of analysis for the design of those major structures designated in Facility Design Condition of Certification GEN-2 to comply with section 1604.4 of the 2007 CBC.
14. The Delegate CBO shall review and approve any of NCPA's proposed special and continuous inspection reporting programs required by sections 109, 1704, and 1709 of the 2007 CBC, California Mechanical Code and other related codes, and shall approve the qualifications and experience of the proposed special inspectors. Where appropriate, subject to CPM approval, TRB & Associates, Inc. may accept the results of inspections performed by NCPA's special inspectors.
15. The CPM shall have the right to audit TRB & Associates, Inc. and its subcontractors' performance to ensure that they are properly carrying out their duties and responsibilities and that NCPA is implementing the Decision requirements for the design and construction of the Project.
16. TRB & Associates, Inc., and subcontractor(s) may discuss all aspects of the Project with each other, the CPM, and NCPA's construction contractors and engineers. The Delegate CBO and CPM shall have access to all associated construction records, construction and inspection procedures, test equipment, and test results related to the requirements of the Energy Commission Decision. It is the CPM's intention to provide reasonable notice of site visits and audits and to conduct such activities at reasonable times. Circumstances may dictate that site access may be required with little or no notice.
17. The Delegate CBO shall provide weekly reports on the status of construction of the project to be posted to the project website (see below). The reports shall include: executive summary of current issues; general activities occurring at the project site; the completion percentage of overall construction; compliance issues with applicable LORS and applicable Conditions of Certification; issues of concern with or by NCPA; status of interconnections; scheduled activities for the following week; and potential delays to the on-line date of the project. Many of the information requirements of the weekly status report may be satisfied by weekly updating fields on the project website.
18. The Delegate CBO shall create and maintain a password protected project website for the posting of the weekly reports and other project documents. Documents on the website will be posted in a Word compatible format or as .pdf files. The project website shall include the following information in an easily navigable format: all components of the weekly status report; a minimum of ten dated project photographs of current construction activities; list and status of submitted plans; status of field inspections; new subcontractors or key Delegate CBO personnel; and documents submitted for CPM review and/or approval. The CPM will be notified of new documents posted to the project website by e-mail with an active link to the document.

19. The Delegate CBO shall submit the results of all plan checks and construction inspections, including recommendations, to NCPA and send a copy of all transmittal letters to the CPM. The CPM shall conduct any technical audits and reviews, and present any recommendations, as expeditiously as possible. The Delegate CBO should proceed with reviews and approvals of all components designated in Facility Design Condition of Certification GEN-2 in accordance with any additions and deletions approved by the CPM, unless instructed otherwise by the CPM. Approved plans, specifications, calculations and marked-up as-builts shall be retained by the Delegate CBO for 90 days from the date of completion of construction of the project, after which the Delegate CBO shall deliver them to the project owner for long-term retention at the project site or other accessible location [2007 CBC, Appendix Chapter 1, section 106.3.1]. Electronic copies of the approved plans, specifications, calculations and marked-up as-builts and other relevant submittals shall be provided to the CPM, in the form of compact discs, within 90 days of completion of construction on the project.
20. The Energy Commission, through the CPM, retains the final authority over all matters relating to interpretation of the Conditions of Certification.
21. The term of this agreement (MOU) is indefinite but shall terminate when all of the mutual obligations have been performed and satisfied. It shall also terminate at such time as NCPA fails to pay fees as required or renders TRB & Associates, Inc.'s performance under this agreement impossible. Notwithstanding the foregoing, TRB & Associates, Inc. or the Energy Commission may terminate this agreement upon five (5) days advance written notice complying with the provisions of section 22 below:
22. All correspondence regarding this agreement, including invoices, payments, and notices, shall be directed to the following persons at the following addresses and telephone numbers:

**DELEGATE CBO:** Todd Bailey, PE, MBA  
3180 Crow Canyon Place, Suite 216  
San Ramon, CA 94583  
Phone (925) 866-2633 and Fax (925) 790-0011  
tbailey@trbplus.com

**ENERGY COMMISSION:** Angelique Juarez-Garcia  
Compliance Project Manager  
California Energy Commission  
1516 9th Street, MS 2000  
Sacramento, CA 95814  
916-654-4048  
AJgarcia@energy.state.ca.us

Written correspondence shall be sent either by personal delivery (including overnight delivery service), by U.S. Mail, postage prepaid, fax, or e-mail; it shall be considered delivered when actually received.

23. This memorandum of understanding shall be effective upon execution by all parties.
24. In the event of a conflict between this MOU and an Energy Commission Decision granting an application for certification, the Decision shall take precedence.
25. This agreement shall be interpreted and applied in accordance with California law. Any litigation concerning it shall be brought in the Sacramento County Superior Court.
26. This agreement sets forth the parties' entire understanding and supersedes all prior agreements and representations, written and oral, and may be modified only by a written document signed by TRB & Associates, Inc. and the Energy Commission.

TRB & Associates, Inc. has reviewed this MOU and understands its duties and responsibilities.

Signed by:


**TRB & ASSOCIATES, INC.**

DATED: 12/7/09  
BY: \_\_\_\_\_

  
\_\_\_\_\_  
Todd Bailey, PE, MBA, Delegate CBO

**CALIFORNIA ENERGY COMMISSION**

DATED: 11/30/09  
BY: \_\_\_\_\_

  
\_\_\_\_\_  
TERRENCE O'BRIEN, Deputy Director for  
Siting, Transmission & Environmental  
Protection Division