

## Attachment A

Agreement for Services  
between the County of Santa Barbara and ICF Jones & Stokes, Inc.  
for the Cuyama Solar Array Project and  
Amendments to the County Land Use and Development Code



## AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

**THIS AGREEMENT** (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and ICF Jones & Stokes, Inc., having its principal place of business at 1 Ada Parkway, Suite 100, Irvine, California, 92618 (hereafter CONTRACTOR) wherein CONTRACTOR agrees to provide and COUNTY agrees to accept the services specified herein.

**NOW, THEREFORE**, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. **DESIGNATED REPRESENTATIVE.** Kathy Pfeifer at telephone number (805) 568-2507 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. Chad Beckstrom at telephone number (949) 333-6625 is the authorized representative for CONTRACTOR. Changes in designated representatives shall be made only after advance written notice to the other party.

2. **NOTICES.** Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by first class mail, postage prepaid, or otherwise delivered as follows:

To COUNTY: County of Santa Barbara  
Planning and Development Department  
123 E. Anapamu Street  
Santa Barbara, CA 93101  
Attn: Kathy Pfeifer, Planner

To CONTRACTOR: ICF Jones & Stokes, Inc.  
1 Ada Parkway, Suite 100  
Irvine, CA 92618  
Attn: Chad Beckstrom, Principal, Project Manager

or at such other address or to such other person that the parties may from time to time designate. Notices and consents under this section, which are sent by mail, shall be deemed to be received five (5) days following their deposit in the U.S. mail.

3. **SCOPE OF SERVICES.** CONTRACTOR agrees to provide services to COUNTY in accordance with EXHIBIT A attached hereto and incorporated herein by reference.

4. **TERM.** CONTRACTOR shall commence performance on April 10, 2012 and end performance upon completion, but no later than July 1, 2013 unless otherwise directed by COUNTY or unless earlier terminated.

5. **COMPENSATION OF CONTRACTOR.** CONTRACTOR shall be paid for performance under this Agreement in accordance with the terms set forth in EXHIBIT B attached hereto and incorporated herein by reference. Billing shall be made by invoice, which shall include the contract number assigned by COUNTY and which is delivered to the address given in Section 2 **NOTICES.** above following completion of the increments identified on EXHIBIT B. Unless otherwise specified on EXHIBIT B, payment shall be net thirty (30) days from presentation of invoice.

6. **INDEPENDENT CONTRACTOR.** CONTRACTOR shall perform all of its services under this Agreement as an independent contractor and not as an employee of COUNTY. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee,

including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure.

7. **STANDARD OF PERFORMANCE.** CONTRACTOR represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, CONTRACTOR shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which CONTRACTOR is engaged. All products of whatsoever nature, which CONTRACTOR delivers to COUNTY pursuant to this Agreement, shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person practicing in CONTRACTOR's profession. CONTRACTOR shall correct or revise any errors or omissions, at COUNTY'S request without additional compensation. Permits and/or licenses shall be obtained and maintained by CONTRACTOR without additional compensation.

8. **TAXES.** COUNTY shall not be responsible for paying any taxes on CONTRACTOR's behalf, and should COUNTY be required to do so by state, federal, or local taxing agencies, CONTRACTOR agrees to promptly reimburse COUNTY for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

9. **CONFLICT OF INTEREST.** CONTRACTOR covenants that CONTRACTOR presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. CONTRACTOR further covenants that in the performance of this Agreement, no person having any such interest shall be employed by CONTRACTOR.

10. **RESPONSIBILITIES OF COUNTY.** COUNTY shall provide all information reasonably necessary by CONTRACTOR in performing the services provided herein.

11. **OWNERSHIP OF DOCUMENTS.** COUNTY shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, and any material necessary for the practical use of the data and/or documents from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. CONTRACTOR shall not release any materials under this section except after prior written approval of COUNTY.

No materials produced in whole or in part under this Agreement shall be subject to copyright in the United States or in any other country except as determined at the sole discretion of COUNTY. COUNTY shall have the unrestricted authority to publish, disclose, distribute, and other use in whole or in part, any reports, data, documents or other materials prepared under this Agreement.

12. **RECORDS, AUDIT, AND REVIEW.** CONTRACTOR shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of CONTRACTOR's profession and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting practices. COUNTY shall have the right to audit and review all such documents and records at any time during CONTRACTOR's regular business hours or upon reasonable notice.

13. **INDEMNIFICATION AND INSURANCE.** CONTRACTOR shall agree to defend, indemnify and save harmless the COUNTY and to procure and maintain insurance in accordance with the provisions of EXHIBIT C attached hereto and incorporated herein by reference.

14. **NONDISCRIMINATION.** COUNTY hereby notifies CONTRACTOR that COUNTY's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to

this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and CONTRACTOR agrees to comply with said ordinance.

15. **NONEXCLUSIVE AGREEMENT.** CONTRACTOR understands that this is not an exclusive Agreement and that COUNTY shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by CONTRACTOR as the COUNTY desires.

16. **ASSIGNMENT.** CONTRACTOR shall not assign any of its rights nor transfer any of its obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign or so transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

17. **TERMINATION.**

A. **By COUNTY.** COUNTY may, by written notice to CONTRACTOR, terminate this Agreement in whole or in part at any time, whether for COUNTY's convenience or because of the failure of CONTRACTOR to fulfill the obligations herein. Upon receipt of notice, CONTRACTOR shall immediately discontinue all services effected (unless the notice directs otherwise), and deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process.

1. For Convenience. COUNTY may terminate this Agreement upon thirty (30) days written notice. Following notice of such termination, CONTRACTOR shall promptly cease work and notify COUNTY as to the status of its performance.

Notwithstanding any other payment provision of this Agreement, COUNTY shall pay CONTRACTOR for service performed to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall CONTRACTOR be paid an amount in excess of the full price under this Agreement nor for profit on unperformed portions of service. CONTRACTOR shall furnish to COUNTY such financial information as in the judgment of COUNTY is necessary to determine the reasonable value of the services rendered by CONTRACTOR. In the event of a dispute as to the reasonable value of the services rendered by CONTRACTOR, the decision of COUNTY shall be final. The foregoing is cumulative and shall not effect any right or remedy which COUNTY may have in law or equity.

2. For Cause. Should CONTRACTOR default in the performance of this Agreement or materially breach any of its provisions, COUNTY may, at COUNTY's sole option, terminate this Agreement by written notice, which shall be effective upon receipt by CONTRACTOR.

B. **By CONTRACTOR.** Should COUNTY fail to pay CONTRACTOR all or any part of the payment set forth in EXHIBIT B, CONTRACTOR may, at CONTRACTOR's option terminate this agreement if such failure is not remedied by COUNTY within thirty (30) days of written notice to COUNTY of such late payment.

18. **SECTION HEADINGS.** The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

19. **SEVERABILITY.** If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability

shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

20. **REMEDIES NOT EXCLUSIVE.** No remedy herein conferred upon or reserved to COUNTY is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

21. **TIME IS OF THE ESSENCE.** Time is of the essence in this Agreement and each covenant and term is a condition herein.

22. **NO WAIVER OF DEFAULT.** No delay or omission of COUNTY to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to COUNTY shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of COUNTY.

23. **ENTIRE AGREEMENT AND AMENDMENT.** In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

24. **SUCCESSORS AND ASSIGNS.** All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

25. **COMPLIANCE WITH LAW.** CONTRACTOR shall, at his sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of CONTRACTOR in any action or proceeding against CONTRACTOR, whether COUNTY be a party thereto or not, that CONTRACTOR has violated any such ordinance or statute, shall be conclusive of that fact as between CONTRACTOR and COUNTY.

26. **CALIFORNIA LAW.** This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

27. **EXECUTION OF COUNTERPARTS.** This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

28. **AUTHORITY.** All parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, CONTRACTOR hereby warrants that it shall not have breached the terms or conditions of any

other contract or agreement to which CONTRACTOR is obligated, which breach would have a material effect hereon.

29. **PRECEDENCE.** In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

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Agreement for Services of Independent Contractor between the **County of Santa Barbara** and **ICF Jones & Stokes, Inc.**

**IN WITNESS WHEREOF**, the parties have executed this Agreement to be effective on the date executed by COUNTY.

COUNTY OF SANTA BARBARA

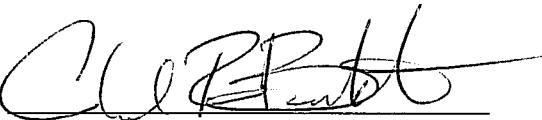
By: \_\_\_\_\_  
Chair, Board of Supervisors

Date: \_\_\_\_\_

ATTEST:  
CHANDRA L. WALLAR  
CLERK OF THE BOARD

CONTRACTOR  
CHAD BECKSTROM  
ICF JONES & STOKES, INC.


By: \_\_\_\_\_  
Deputy

By:   
TaxID Number: 94-1730361

APPROVED AS TO FORM:  
DENNIS MARSHALL  
COUNTY COUNSEL

APPROVED AS TO ACCOUNTING FORM:  
ROBERT W GEIS, CPA  
AUDITOR-CONTROLLER

By:   
Deputy County Counsel

By:   
Deputy

APPROVED AS TO FORM:  
RAY AROMATORIO,  
RISK PROGRAM ADMINISTRATOR

By:   
Risk Program Administrator



**EXHIBIT A**

**SCOPE OF SERVICES**

**PROPOSAL TO PREPARE AN ENVIRONMENTAL IMPACT REPORT  
FOR THE  
CUYAMA SOLAR ARRAY PROJECT AND  
AMENDMENTS TO THE COUNTY LAND USE AND DEVELOPMENT CODE**

**ICF JONES & STOKES, INC., MARCH 2, 2012  
AND SUPPLEMENTAL LETTER DATED MARCH 12, 2012**



March 12, 2012

Kathy Pfeifer  
County of Santa Barbara  
Planning & Development, Energy Division  
123 East Anapamu Street  
Santa Barbara, California 93101

**SUBJECT: Best and Final Proposal for the Cuyama Solar Array Project Environmental Impact Report**

Dear Ms. Pfeifer:

ICF Jones & Stokes, Inc. (an ICF International company hereafter referred to as ICF) is pleased to submit this best and final proposal for the Cuyama Solar Array project. The following pages include our revised scope of work and cost to address the County of Santa Barbara's (County's) final requested revisions from the discussion on March 8, 2012 between Kathy Pfeifer and Chad Beckstrom. These revisions include removal of the Optional Task 9 (Preparation of CEQA and Legislative Findings), the addition of Geology and Soils back in as a Chapter to be included in the EIR, and increasing the contingency from 10% to 15%.

Should you wish to discuss any of these issues, please do not hesitate to contact Chad Beckstrom, Project Manager, at 949.333.6625 or via email at [cbeckstrom@icfi.com](mailto:cbeckstrom@icfi.com). We look forward to hearing from you.

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Beckstrom".

Chad Beckstrom, AICP  
Principal, Project Manager

A handwritten signature in black ink, appearing to read "Charles Smith".

Charles Smith, AICP  
Vice President, Project Director



## Proposed Workplan

### Task 1. Notice to Proceed/Kick-off Meeting

To facilitate future working relationships and establish review procedures, ICF and AMEC will meet with County staff to establish assumptions and parameters for the process and documentation. At this time, we will confirm the schedule, delivery and review processes, contact guidelines, and other topics. ICF will meet with the County as needed throughout the process, either in person, by web conferencing, or by teleconference, as requested.

#### *Deliverable/Action:*

- Attendance at Kick-off Meeting.

### Task 2. Project Description, Environmental Setting, and Description of Alternatives

ICF and AMEC will perform an initial review of existing available documents, such as engineered site plans, past technical studies, the County's Comprehensive Plan, Williamson Act Uniform Rules, LUDC, Rural Regions and Agricultural Preserve maps, project initiation staff reports, public and agency comments, and other relevant documents. Using information provided by First Solar, the County, and from our existing sources, ICF will prepare a draft project description for the County's review and approval. This will include a description of the environmental setting, which will be accompanied by appropriate maps and graphics. We will work with the County to refine the project objectives if necessary, which will help to ensure that the range of alternatives is adequate and help eliminate any alternatives that do not meet project objectives. ICF will work with AMEC and the County to draft alternatives for consideration to be analyzed in the EIR (additional alternatives may be developed following the impact analysis which will attempt to avoid, reduce, or minimize significant impacts). We will submit the draft project description, environmental setting, and alternatives within one week following the kick-off meeting.

#### *Deliverables/Actions:*

- Draft Project Description, Environmental Setting, and Description of Project Alternatives -- one reproducible unbound copy, six bound copies, and six electronic copies on compact disks (CD).
- Site visit to the project site.

### Task 3. Administrative Draft EIR and Technical Studies

ICF will begin this task by assigning our technical specialists to conduct thorough reviews of the studies submitted by First Solar. We will review the technical studies for their accuracy, completeness, adequacy for use in the draft EIR, and legal defensibility (including adequacy of referenced documents). During preliminary reviews of the technical studies prepared by RBF and URS, most of the studies appear to be well written and contain the necessary information to prepare the EIR analysis. However, should we have any critiques, comments, or further recommendations, we will consult with and advise the County early in the process to minimize delays to the schedule. We will provide written documentation of our peer review comments at the County's request.

ICF will prepare an administrative draft EIR in accordance with CEQA Guidelines and latest court decisions, the Santa Barbara County CEQA Guidelines, and the County's Environmental Thresholds and Guidelines Manual. For topics without technical studies provided by the Applicant, we will provide the necessary

qualitative analysis, including consideration of any issues raised during scoping. ICF analyses that do not require a technical report will be based on existing information provided by First Solar and the County, existing information found in County planning documents (such as the General Plan), in-house data and documentation, and professional judgment. The programmatic analysis of the LUDC Amendment will be provided at a high level, rather than a detailed siting study, and will be largely qualitative, extrapolating from existing studies.

The EIR will focus on the potentially significant environmental impacts identified based on the conclusions of the project's Environmental Assessment, as well as input during scoping. These will include the environmental issues that have technical studies, as well as additional areas to be supplemented by ICF research and analysis. While these issues are subject to change, we anticipate that the EIR will include the following sections:

- Aesthetics/Visual Resources;
- Agricultural Resources;
- Air Quality;
- Biological Resources;
- Cultural Resources;
- Energy;
- Geology and Soils;
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials (including Fire Protection);
- Land Use/Planning;
- Noise;
- Public Services/Utilities;
- Transportation/Circulation; and
- Water Resources/Flooding.

The impacts that are determined to have "no impact" or "less than significant impacts" will be summarized in the Introduction Chapter of the EIR, along with a brief description to substantiate why impacts were determined to be less than significant. These impacts will not be analyzed further in the EIR, unless the County specifically wants to see certain items included. Some of the "potentially significant" impacts identified in the Environmental Assessment, and/or those that arise during the scoping process, may ultimately be determined to be less than significant during the preparation of the EIR analysis. Nevertheless, these issues will be accompanied by a more robust analysis in the EIR, and will be summarized at the end of the EIR in a section entitled, "Impacts Determined to be Less Than Significant."

Special attention will be given to Agricultural Resources and Land Use issues. ICF has teamed with AMEC to assist in the preparation of the EIR, and to provide expertise related to agricultural conversion and land use issues.

Project impacts upon agricultural resources and consistency with the County's Uniform Rules and State Williamson Act are the foremost issues of this EIR. The Applicant-prepared Environmental Assessment and Agricultural Suitability Report (Sage Associates, Nov 2009), determined that the project would result in potentially significant and unmitigable impacts to agricultural resources, given the conversion of prime lands to a non-agricultural use upon Williamson Act contracted land, and upon land designated on the most recent State Important Farmlands Map, as land that is of state and local importance.

AMEC will address potential impacts to agricultural resources as follows:

- Build upon the existing technical studies and information, including the Agricultural Suitability Report to describe the existing setting, agricultural productivity, and suitability of the project site and surrounding agricultural lands, and other pending projects and program databases. The Williamson Act addresses preservation concerns of both the contracted site and surrounding contracted agricultural lands when agricultural lands are converted to non-agricultural uses.
- Describe the existing local and state regulatory framework with regard to Agricultural Resources, with particular attention to the State's Land Conservation Act of 1965, also referred to as the Williamson Act, County of Santa Barbara's Comprehensive Plan, including the Agricultural Element, and the County's Uniform Rules, implementing regulations of the Williamson Act. AMEC will expand the typical regulatory framework discussion for this issue, providing a discussion of pending and passed legislation, court cases, and precedents for cancellation. AMEC will view a thorough analysis of this matter, including identification of potential pathways to potential findings of consistency with the Williamson Act and Uniform Rules as the central issue for the County to address if the project is to be considered for approval.
- Identify both project-level impacts relating to the conversion of agricultural contract land, and program-level impacts of future potential conversions of agricultural lands to large-scale commercial solar energy projects upon non-coastal County lands within the AG-II zone district.
- Provide project-specific and more generalized program-level cumulative impact analyses for both the project site and the Ordinance Amendment (OA). AMEC will identify areas of the County's rural lands with A-II zoning that could be potentially affected by the OA, quantify potentially affected acreage and general agricultural quality (e.g., farmland of statewide importance). While much of the County's best farm and ranch land is under contract and is zoned as Agricultural Commercial (AC), substantial areas of AG-II land remain. AMEC will ensure that the EIR clearly describes both the amount of land potentially affected by the OA and its quality.
- Identify mitigation measures to reduce impacts associated with the agricultural conversion of the site upon surrounding agricultural uses, consistent with the County's Right-to-Farm Ordinance. Such measure may include increased buffers between the site and surrounding agricultural operations, particularly with nearby operations that may use pesticide spraying, coordination of haul routes and defined schedules during the project's construction period with local agriculturalists (e.g., to avoid conflicts with haul trucks and farm vehicles on the rural road network), and other operational concerns to reduce land use incompatibilities. However, no mitigation would appear to be available to mitigate conversion of contract agricultural land to a less than significant level. For programmatic OA impacts, AMEC will identify minor changes or adjustments in the proposed OA language that may partially address potential impacts.

- Identify similar, but general mitigation measures, drafted to be easily formatted into zoning text and included in the proposed OA to reduce impacts to agricultural resources.

During the NOP process, public comments from residents included community character concerns associated with the project. To address potential Land Use Impacts, AMEC will:

- Review existing Comprehensive Plan Elements, their policies, and other land use regulations potentially applicable to the proposed project (i.e., airport land use regulations associated with the New Cuyama Airport and design standards that may apply to the proposed transmission lines).
- Identify potential growth-inducing effects, patterns of potential growth associated with the partial cancellation of the Williamson Act contract, development of a commercial-scale energy facility, and development of the generation-tie lines along the proposed transmission route.
- Assess project consistency with land use policies and regulations, and identify potential project-specific impacts associated with the proposed Cuyama Solar Array project.
- Qualitatively identify program-level land use compatibility impacts associated with the siting of large-scale commercial solar energy projects upon non-coastal County lands within the AG-II zone district.
- Provide project-specific and more generalized program-level cumulative impact analyses for both the project site and the OA.
- Identify potential mitigation measures based on analysis in Agricultural Resources, Aesthetic/Visual Resources, Hazards, Public Services, and other resource sections.

AMEC will also assess project consistency with Land Use and Agricultural Elements and all applicable County Plans and Policies, with specific focus upon project consistency with the Williamson Act and County Uniform Rules. AMEC will:

- Clearly describe relevant provisions of the Williamson Act and Uniform Rules, and how they interrelate.
- Describe the role and authority of the DOC, APAC, and AAC.
- Identify past precedents, regulations, and legislation as they pertain to the cancellation of Williamson Act contracted lands.
- Build upon the Agricultural Resource analysis to identify potential permit pathways to permit consideration of project approval (e.g., use of replacement contracts), including potential sites available to wholly or partially offset loss of contracted land. We will also integrate such analysis with the alternatives section.
- Assess project consistency with land use policies and regulations, and identify potential impacts associated with both the OA and the proposed Cuyama Solar Array project.

In addition to this factual analysis within the EIR, AMEC will coordinate with ICF to map an approach to working with APAC, AAC, and DOC on this sensitive issue. This may include early outreach and coordination with key stakeholders, inquiries of other jurisdictions that have addressed this issue and early conference calls with DOC to identify and address potential concerns.

Due to comments raised during the NOP public comment period for the project regarding grid capacity at the Cuyama Substation, possible capacity issues with subsequent projects, and the potential for local impacts to power availability and delivery, ICF proposes the following scope of work, and will include the technical memoranda in the appendix to the EIR:

- **Review of PG&E and California Independent Systems Operator (CAISO) Generation Interconnection Queue and Due Diligence on Available Capacity for Transmission Interconnection.** ICF will perform a qualitative review of the CAISO and PG&E current generation interconnection queue to identify the ability of the First Solar generation project to interconnect at the Cuyama Substation. Specifically, as part of this exercise, ICF will review all publicly available system impact studies, cluster studies, and facility studies of the First Solar project to understand the feasibility and level of transmission upgrades required for interconnection. ICF will also look at proposed transmission upgrades in the area to assess potential impacts to transmission capacity at the Cuyama Substation.
- **Bulk Power System Reliability Impact Assessment.** Electric system brown-outs are caused due to sag or drop in voltage in the electric power supply. Voltage drops are typically associated with faults on the power system, load switching, long transmission lines that cause voltage drops, and quality of electric generation supply. In order to assess the reliability impact of the proposed First Solar generation facility, ICF will qualitatively review the factors that lead to electrical brown-outs, determine which factors are likely to affect power supply reliability in the Cuyama area, and determine the ability of the generation injection to mitigate these factors. In particular, ICF will provide a review of the impact of local capacity injection on serving local load in the Cuyama area. ICF's qualified electrical engineers will estimate if the impact of the 40-MW injection at the Cuyama Substation will reduce the possibility of brown-outs for load in the Cuyama area.

Cumulative impact analysis will be an especially important component of the EIR, due to the multiple renewable energy projects that are occurring in the southern San Joaquin Valley to the east, and other projects in Santa Barbara County that have a potential to contribute to cumulative effects. ICF will work closely with the County to identify the appropriate recent, ongoing, and planned projects to be included in the cumulative projects list. Additionally, the potential cumulative effects of the LUDC Amendment will be addressed for potential cumulative impacts throughout the Inland Areas of the County.

The alternatives analysis will focus on alternatives developed in Task 2, along with any additional alternatives that come out of the scoping process, and that result in significant impacts during the environmental impact analysis. Alternatives will also be identified for the proposed LUDC Amendment language, and will be addressed accordingly. AMEC will assist ICF to craft alternatives for the proposed project, building upon, past studies and our extensive and specialized experience with agricultural resource issues involving the Williamson Act. AMEC's role in the alternatives analysis will focus on various approaches to agricultural conversion of Williamson Act contracted land. The analysis of alternatives will qualitatively evaluate the impacts in comparison with the impacts associated with the proposed project. A matrix format will be included to provide a reader-friendly comparison of the alternatives. Key issues addressed will include:

- **Alternatives Considered and Discarded.** ICF and AMEC will identify alternatives considered and discarded, by building upon the Applicant's initial siting study, expanding environmental policy and power grid connectivity issues where needed, to support the alternatives that were considered and discarded. These may include the typical reduced project alternative unless it could be shown to substantially reduce project impacts and remain a feasible alternative. ICF and AMEC will clearly

identify the technical feasibility and regulatory or permit issues for such alternatives to provide a complete record to support the alternatives that are analyzed in the EIR and provide an appropriately detailed discussion of those that are discarded from further review.

- **No Project.** ICF and AMEC will describe the impacts and potential benefits of no development of the Cuyama Solar Array project, including the generation-tie distribution infrastructure and the Applicant-initiated zoning ordinance amendments. This analysis will describe potential benefits such as avoidance of agricultural land conversion and cancellation of a Williamson Act contract, and related land use impacts.
- **Alternative Sites.** As with any project with potential for unavoidable and significant impacts due to site-specific constraints, alternative site analysis will be critical to ensure the preparation of a legally defensible EIR. ICF and AMEC will identify alternative sites that could be considered by the County to preserve the project Applicant's development goal, while maintaining decision-maker flexibility and providing options for consideration as the project proceeds through the process. Because of potential state and local statutory concerns, these alternatives will focus upon identification of alternative sites zoned AG-II that are not under Williamson Act contracts, or alternative sites zone AG-II that would involve partial cancellation of non-prime contracted lands and could comply with recently passed state law (Senate Bill 618). Under certain terms, this law allows for rescission of Williamson Act contracts and requires simultaneous entrance into a Solar Use Easement for a minimum of 20 years for non-prime contracted lands, when the land will be used for solar PV energy generation. An additional project alternative can also identify nearby agricultural lands of similar agricultural productivity, size, and proximate location that could simultaneously enter into a Williamson Act contract or Farmland Security Zone contract with the partial cancellation of the Redland Ranch. This may be the most feasibly considered with other lands held under the same ownership as the Redland Ranch; given the landowner has approximately 14,000 acres of other agricultural holdings near the site and in the surrounding region.
- **Alternative Program.** EIR mitigation measures to reduce resource impacts from both project components can be translated into development criteria and/or standards (defined and formatted for ease of inclusion into proposed zoning text) and can also form the basis of an OA alternative within the LUDC AG-II zone district. Such standards may address resource concerns, including but not limited to those associated with scenic corridors, critical habitat areas, cultural resources issues, and land use compatibility concerns with active agricultural operations of contracted and non-contracted lands. ICF and AMEC will develop alternatives that would be broadly applicable to different areas of the County with AG-II zoning rather than addressing development standards for specific regions.

We will provide an administrative draft EIR to the County, based on the delivery method established in the project kick-off. ICF will revise the document as necessary based on agency comments. We will submit the administrative draft EIR within eight to ten weeks after the County authorizes work to proceed on the contract.

*Deliverables/Actions:*

- Peer Reviews for Applicant's Technical Studies (assumes one review) – ICF has reviewed the technical studies, which appear to be adequate and anticipate that findings can be incorporated into the EIR without substantial revisions.
- Administrative Draft EIR (two rounds of review) – one reproducible unbound copy, six bound copies, and six electronic copies on CD with the files divided into chapters.



#### Task 4. Draft EIR and Technical Appendices

ICF will produce and distribute a fully edited and compiled draft EIR per County requirements. ICF will prepare notices (notice of completion [NOC] and notice of availability [NOA]) to accompany distribution of the EIR. We will distribute the copies, along with required notices, per distribution lists provided by the County. ICF will submit the draft EIR and Technical Appendices within three weeks after receipt of the County's final comments on the administrative draft EIR.

##### *Deliverables/Actions:*

- Draft EIR and Technical Appendices – one reproducible unbound copy, 30 bound copies, 30 electronic copies on CD, and two electronic copies on CD with the files divided into chapters of the administrative draft EIR.
- NOC and State Clearinghouse Transmittal.
- NOA.
- Draft Media Notices.

#### Task 5. Written Summary of Comments at the Public Hearing on the Draft EIR

ICF will attend a public hearing to solicit comments on the draft EIR. We will support the County as necessary at this meeting, including facilitating public comments if desired. Following the public hearing, ICF will compile all comments received.

##### *Deliverables/Actions:*

- Summary of Public Comments – one reproducible unbound copy, six bound copies, and six electronic copies on CD.

#### Task 6. Response to Comments on the Draft EIR

Following the public comment period, ICF will compile and annotate all comments received, including those received during the public hearing. We will work with AMEC and the County to strategize responses to comments, and will prepare draft responses for County review. ICF and AMEC will revise the responses to comments based on County review. While it is not possible to foresee how many comments will be received and the level of effort required in responding to comments, we have budgeted 68 hours for preparing responses. Should an overwhelming number of comments be received, or should the magnitude of comments require additional analysis or work efforts, we will work with the County to negotiate an appropriate amendment to our scope and budget. ICF will submit a written summary within 15 working days after the close of the public comment period.

##### *Deliverables/Actions:*

- Response to Comments – one reproducible unbound copy, six bound copies, and six electronic copies on CD.

#### Task 7. Prepare Administrative Final EIR

Following the County's review of the Responses to Comments, ICF and AMEC will revise the responses and incorporate them into the administrative final EIR. The administrative final EIR will also include an Errata to

reflect modifications to the draft EIR resulting from public comments. While not included in the Request for Proposals (RFP), ICF assumes that this task will also include preparation of a mitigation monitoring and reporting program (MMRP). The MMRP will provide the necessary details in order for the County and/or First Solar to comply with each mitigation measure, the timeframe for mitigation implementation, and the responsible parties to effectuate each measure. We will submit the administrative final EIR, Errata, and MMRP within one to two weeks following the County's review of the Responses to Comments.

***Deliverables/Actions:***

- Administrative Final EIR (including Response to Comments, Errata, and Mitigation Monitoring Plan) – one reproducible unbound copy, six bound copies, and six electronic copies on CD.

**Task 8. Prepare Draft Final EIR**

Following the County's review of the administrative final EIR, we will prepare and finalize the draft final EIR and distribute as required to each commenting agency/organization/ individual and County departments.

***Deliverables/Actions:***

- Draft Final EIR – one reproducible unbound copy, 30 bound copies, 30 electronic copies on CD, and two electronic copies on CD with the files divided into chapters of the draft final EIR.

**Task 9. Prepare Final EIR**

Following a discretionary decision on the project, ICF will incorporate any changes to the draft final EIR as a result of decision maker action and provide the County with the final EIR for the County's use and archiving efforts. While not identified in the RFP, ICF can help the County by drafting the Notice of Determination (NOD), and filing the NOD with the County, including payment of the appropriate DFG Filing Fee. Should this be desired, additional time and budget would be negotiated to cover labor and expenses.

***Deliverables/Actions:***

- Final EIR – one reproducible unbound copy, 10 bound copies, 10 electronic copies on CD, and two electronic copies on CD with the files divided into chapters of the final EIR.

**Task 10. Attend Project-Related Meetings, Public Workshops, and Public Hearings**

ICF and AMEC will be available throughout the project to support County staff at project coordination meetings, public workshops, and public hearings. Appropriate ICF project management and technical staff will attend public hearings, as requested by the County, providing presentation materials and addressing comments and questions as necessary. For scoping purposes, we assume 10 staff meetings, one workshop, and up to four hearings as part of this scope of work. In order to be responsive and cognizant of costs, we have proposed to attend five staff meetings in-person, and five via conference call. We have found that conference calls have been effective at addressing issues on other projects, and have been able to adequately serve the County from our office in Irvine. Rita Bright will be available to attend up to 10 meetings or and/or hearings in-person due to AMEC's proximity to the County offices. We also have web-based technological tools, such as Live Meeting, that can facilitate coordination of meetings. Should in-person attendance be desired at all 10 meetings, ICF will be willing to accommodate.

**Deliverables/Actions:**

- 10 Staff Meetings – assumes five in-person meetings attended by two staff members, and five conference calls.
- Meeting Notes – compiled following each staff meeting.
- One Public Workshop – assumes attendance by two staff members.
- Two Planning Commission Hearings – assumes attendance by two staff members.
- Two Board of Supervisor Hearings – assumes attendance by two staff members.

Additional Fees for Meetings – will be billed according to labor rates for individuals per the attached cost spreadsheet. We estimate approximately \$500 per staff member, per meeting, while AMEC will bill \$155 per hour.

**Cost Proposal**

These changes result in the following modifications to the cost, which are detailed on the attached spreadsheet:

Task	Cost
Task 1: Notice to Proceed/Kick-off Meeting	\$5,168
Task 2: Project Description, Environmental Setting, and Description of Alternatives	\$11,596
Task 3: Administrative Draft EIR and Technical Studies	\$149,787
Task 4: Draft EIR and Technical Studies	\$17,617
Task 5: Written Summary of Comments at the Public Hearing on the Draft EIR	\$2,729
Task 6: Response to Comments on the Draft EIR	\$13,745
Task 7: Prepare Administrative Final EIR	\$7,349
Task 8: Prepare Draft Final EIR	\$5,433
Task 9: Prepare Final EIR	\$3,867
Task 10: Attend Project-Related Meetings, Public Workshops, and Public Hearings	\$21,979
15% Contingency	\$35,891
<b>Total Cost</b>	<b>\$275,162</b>



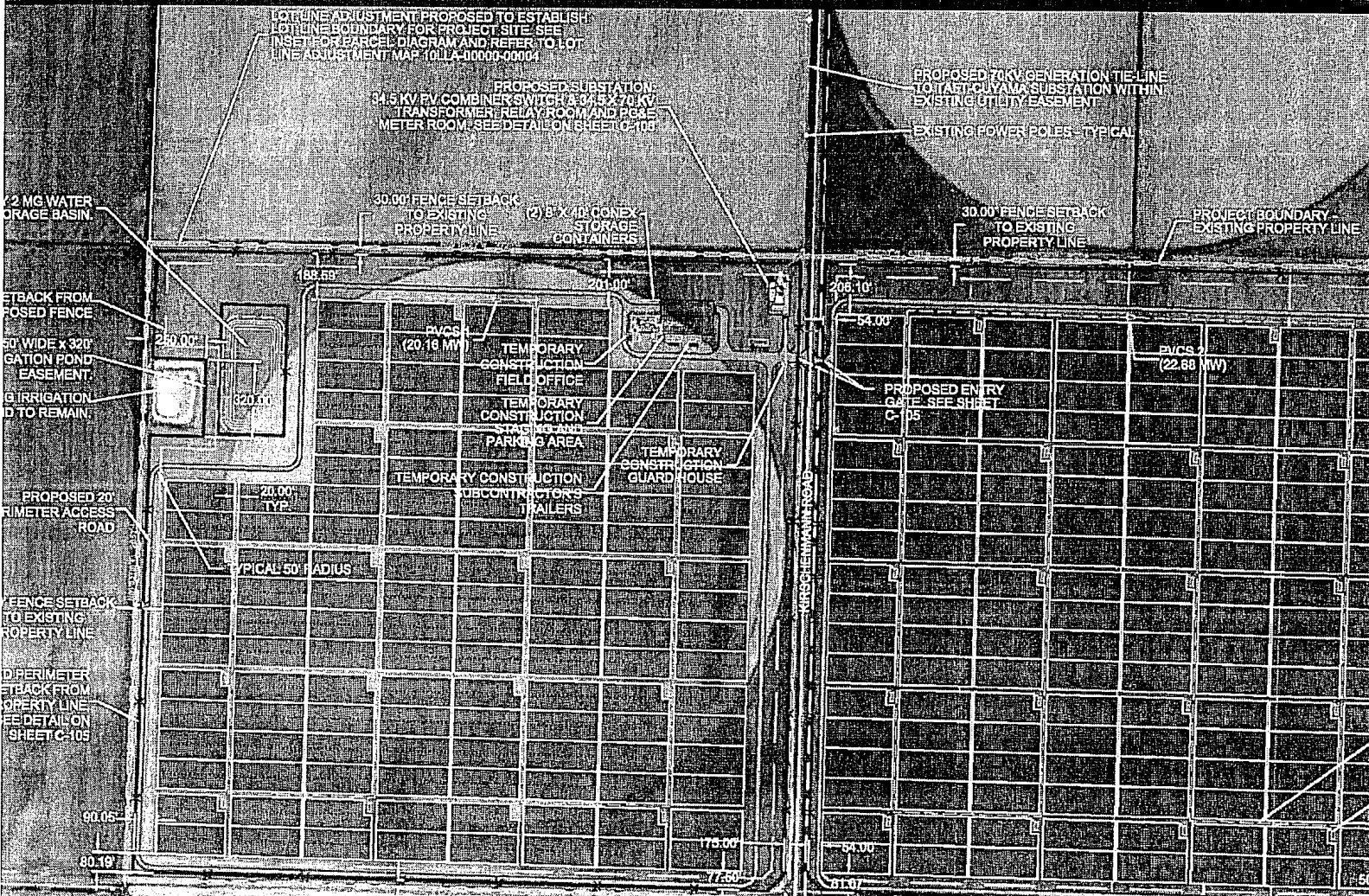


# Best and Final Proposal

# Cuyama Solar Array Project Environmental Impact Report

County of Santa Barbara, Planning & Development, Energy Division  
First Solar, Inc.

March 2, 2012  
Submitted by: ICF International





March 2, 2012

Kathy Pfeifer  
County of Santa Barbara  
Planning & Development, Energy Division  
123 East Anapamu Street  
Santa Barbara, California 93101

**SUBJECT: Best and Final Proposal for the Cuyama Solar Array Project Environmental Impact Report,  
March 2, 2012**

Dear Ms. Pfeifer:

ICF Jones & Stokes, Inc. (an ICF International company hereafter referred to as ICF) is pleased to submit the following best and final proposal for the Cuyama Solar Array project. The following pages address the requested revisions identified in the County of Santa Barbara's (County) letter dated February 27, 2012, including the addition of AMEC Environmental & Infrastructure, Inc. (AMEC) to our team to prepare the agriculture and land use analyses, and support ICF in issues related to the Land Use Development Code (LUDC) Amendment. The attached proposal has been revised to reflect these changes.

We are excited to work with the County and First Solar on this important project and believe the ICF Team is the best fit for your needs. We hope the additional detail provided in this letter and our revised proposal address the County's concerns.

Additionally, neither ICF, nor any of the members of the project team, has been hired by First Solar, LLC; RBF Consultants (RBF); Schirmer Engineering; URS Corporation; or Sage Associates to assist in the preparation of material directly related to any component of the proposed project or related projects under study in this Environmental Impact Report (EIR). No member of the contractor's team has a financial gain or an interest in the final outcome of the project.

Should you wish to discuss any of these issues, please do not hesitate to contact Chad Beckstrom, Project Manager, at 949.333.6625 or via email at [cbeckstrom@icfi.com](mailto:cbeckstrom@icfi.com). We look forward to hearing from you.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chad Beckstrom'.

Chad Beckstrom, AICP  
Principal, Project Manager

A handwritten signature in black ink, appearing to read 'Charles Smith'.

Charles Smith, AICP  
Vice President, Project Director



## Cover Letter Revisions

The County's Risk Management Department has reviewed your amendment requests and approves the following only under the Agreement for Services, Exhibit C, Standard Indemnification and Insurance Provisions, Indemnification pertaining to Professional Services:

1. Third paragraph, the last sentence cannot be deleted, but the timing of the submittal can be changed for something that is practicable for ICF and the County. Please let me know if you would like a timing change and what that may be.
2. Under General and Automobile Liability Insurance, first paragraph, the words "be included under its policies or" can be deleted.
3. Under General and Automobile Liability Insurance, second paragraph, the last sentence can be replaced with the sentence "Such policy or policies shall provide and the Certificate of Insurance shall indicate that should the policy be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions."

Thank you for considering our proposed revisions to the Indemnification pertaining to Professional Services. With respect to item #1, we accept that the sentence cannot be deleted, and are willing to provide copies of our insurance as requested. It would be preferable to delete the word "certified." Thank you for accepting the requested changes for items #2 and #3.

## Technical and Cost Proposals Revisions

1. As we discussed with you on February 23, we ask that ICF subcontract with AMEC for identified tasks in your proposal, specifically securing the services of Ms. Rita Bright as the lead. Ms. Bright has many years of interpreting and applying County Comprehensive Plan policies and is a respected expert in County agricultural issues, one of the most significant issues associated with both the physical project as well as the proposed Land Use Development Code amendments. We believe ICF would have a stronger proposal for preparing the most accurate and defensible EIR for the project with Ms. Bright on the team for the following EIR tasks:
  - a. Preparation of the Agricultural Resource and Land Use Sections. Because of her experience and familiarity with the County's Agricultural Advisory and Agricultural Preserve Advisory committees, Ms. Bright should be budgeted for attendance when the project is presented before these committees and for preparing or assisting in the preparation of the related EIR sections.
  - b. Support preparation of the LUDC Amendment portion and the Alternatives analysis. Ms. Bright was a planner and later served as the Deputy Director of the County Planning and Development Department South County Development Review Division. Her duties included reviewing, drafting and presenting ordinance and policy amendments to decision-makers. Her experience in this regard will be beneficial in crafting the most precise and effective ordinance amendments. Ms.



Bright will also be beneficial in developing project alternatives due to her familiarity with Santa Barbara County zoning ordinances, policies, as well as environmental, geographical and economic factors that must be considered in developing feasible alternatives.

- c. Prepare ordinance amendments and project findings. AMEC's proposal included an optional task to prepare the draft ordinance amendments and project finding of approval, including California Environmental Quality Act (CEQA) findings. We would like ICF to adopt this optional task because of Ms. Bright's demonstrated expertise in this area.

We expect that ICF will reduce its own levels of work in the above-areas in consideration of AMEC's added role.

ICF has agreed to bring in AMEC as a subcontractor to ICF for the preparation of the Agricultural Resource and Land Use Sections of the EIR through the Final EIR, attendance at committee meetings, supporting ICF in the preparation of the LUDC Amendment and Alternatives Analysis, and as optional tasks to prepare ordinance amendments and project findings. AMEC's detailed approach is included in Section 4, Methodology, and their costs are included on Table 1 of our Cost Proposal.

2. In our earlier review cycle, we asked that ICF reduce its meeting costs to which you adequately complied. However, and in consideration of the evolving scope of work and team additions, we believe that additional meetings are necessary and costs should again be adjusted. As noted above, Ms. Bright should be in attendance at key agricultural meetings and public hearings. Ms. Jones, who plays a critical role in writing many of the EIR sections, should also be included in appropriate project meetings.

ICF has included in our scope and fee attendance by Ms. Bright at up to 10 meetings or hearings. We have also included hours for Ms. Jones to attend two in-person meetings, and five conference calls.

3. We have identified five issue areas below for which the scopes of work and budgets require reevaluation. If ICF believes that the scopes of work and budgets should not be adjusted in an issue area, please submit your rationale. Our recommendations for work scope and budget adjustments are as follows:
  - a. *Energy.* Your revised proposal is indeed responsive to the public comments regarding grid capacity, including power delivery and availability, as well as addressing reported "brown-outs" in the area. However, we ask that you scale back the proposed level of analysis and reduce costs. Your proposed qualitative review of the California Independent System Operator (CAISO) and the Pacific Gas & Electric Company (PG&E) current generation interconnection queue should focus on the ability of First Solar to connect to the Cuyama sub-station, and what upgrades, if any, are necessary. A cursory, cumulative discussion of other potential solar photovoltaic projects in the queue is appropriate, but at a much lesser level of detail and effort than proposed. Regarding brown-outs, our understanding is that this phenomenon is largely anecdotal as PG&E does not track brownouts in its operational logs. However, this phenomenon has been raised at every public meeting for the proposed project to date,





making it worth some level of discussion. Please adjust the proposed scope of work commensurate with its potential as a project and cumulative list.

ICF understands that the County does not want to burden First Solar with costs and unnecessary work unrelated to the EIR to the greatest degree possible. In order to be responsive to community concerns, and minimize costs, ICF can essentially complete the scope of work identified in our proposal for about half the cost by performing qualitative review, without modeling or detailed analysis. These cost reductions are reflected in our revised cost proposal.

- b. *Noise*. ICF states that the applicant-submitted study appears to be well prepared and adequate for the EIR, and long-term noise impacts appear to be less than significant. Although short-term construction impacts may be significant, this does not appear to be a significant issue area for the proposed project yet the budget is for almost \$7,000. Please reconsider the scope of proposed work and adjust costs accordingly.

While noise does not appear to be a significant issue, we are still proposing to prepare a Noise Section of the EIR, incorporating the studies prepared by RBF. We have slightly reduced our hours and revised our fee to approximately \$5,700 as shown in the cost table. Should the County wish to scope this issue out of the EIR, we could further reduce our fee.

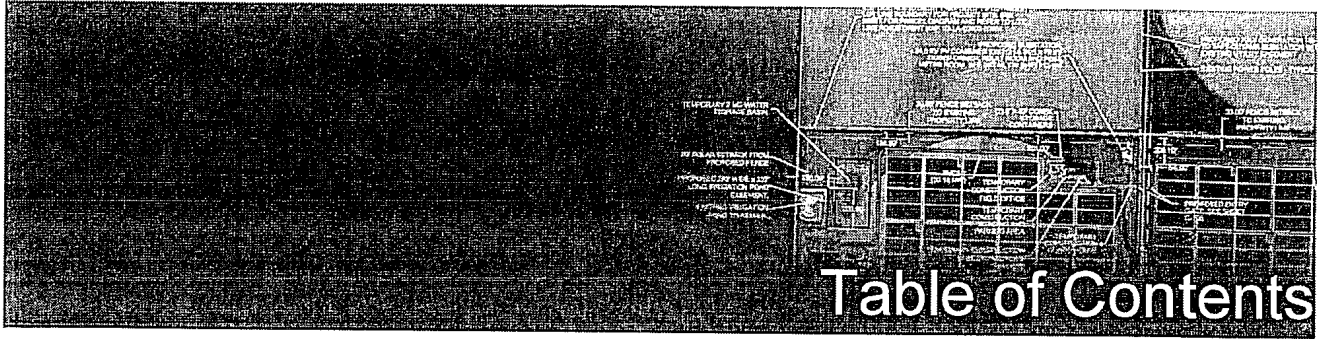
- c. *Geology*. Geologic processes were identified as a less than significant or no impact in the applicant-submitted Environmental Assessment. Your proposal does not include a scope of work for this issue area, yet you have budgeted nearly \$6,200 for this task. Please submit the scope of proposed work and adjust costs accordingly, if necessary.

ICF has eliminated this task in our scope and fee. We expect to be able to scope this issue out, and not include an EIR section to address geologic impacts.

- d. *Air Quality/ Greenhouse Gas (GHG) emissions*. These two issue areas have been identified as less than significant in the applicant's initial study, and with GHG emissions, as beneficial. The work of scope on pages 6-7 of your proposal appropriately relies heavily on the applicant's existing work; however the approximate cost of \$10,000 for these two issue areas appears to be very high. Please reconsider the scope of proposed work and adjust costs accordingly.

While Air Quality/GHG emissions do not appear to be significant issues, we are still proposing to prepare an Air Quality Section and a GHG Emissions Section of the EIR, incorporating the studies prepared by RBF. We believe the costs to prepare these two sections of the EIR are already the minimum it would take to prepare both sections of the EIR. We therefore, respectfully request to keep the current fees for preparation of these two sections of the EIR. Should the County feel that these issues can be scoped out of the EIR, we would reduce our fee accordingly.





<b>Introduction</b>	1
<b>Qualifications</b>	10
<b>Personnel</b>	18
<b>Study Methodology</b>	28
<b>Schedule</b>	43
<b>References</b>	45
<b>Appendix of Resumes</b>	

**Tables**

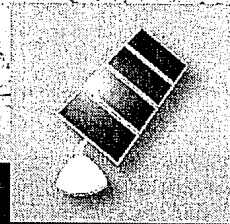
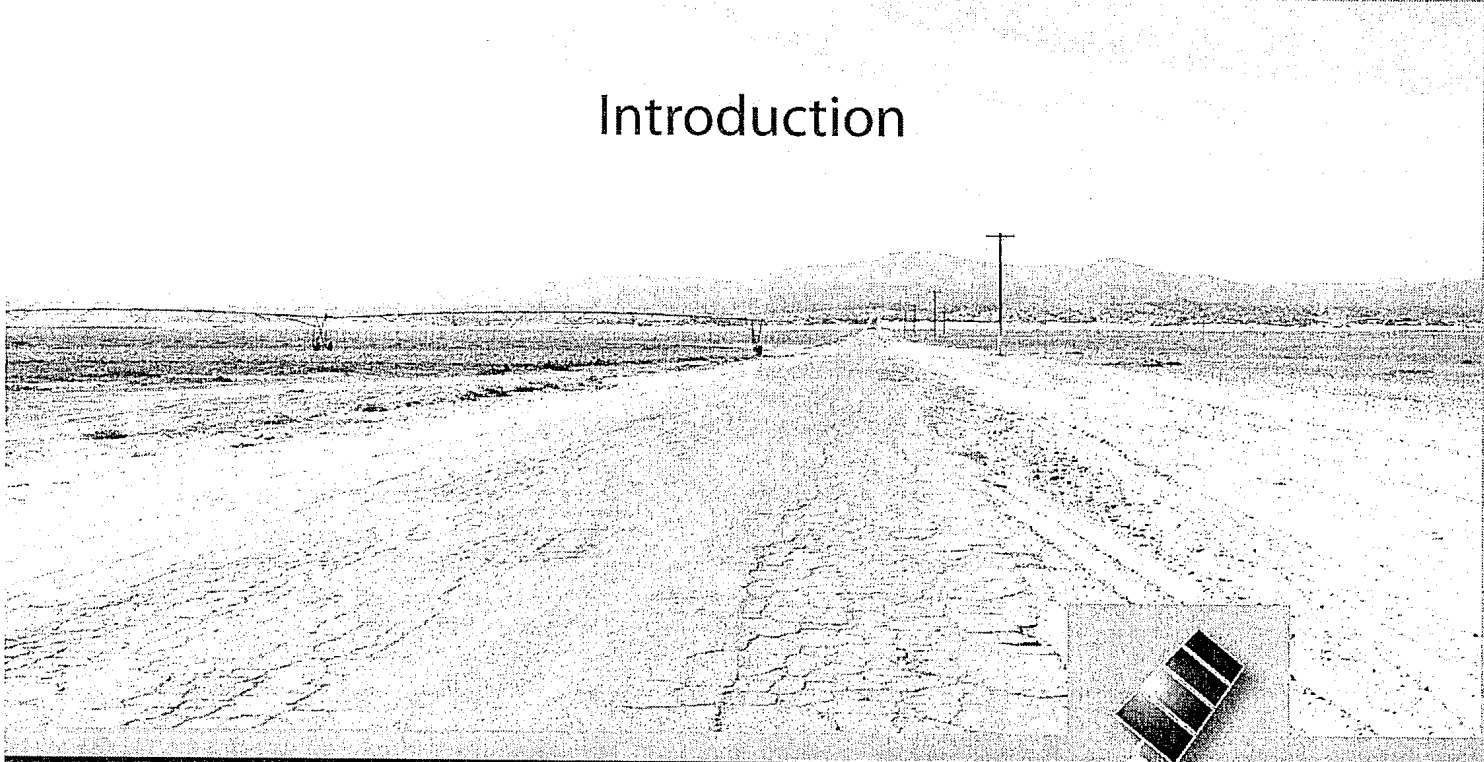
- Table 1.** ICF's Select Solar Experience Summary
- Table 2.** EIRs for Eight Utility-Scale Solar Development Projects
- Table 3.** ICF Team's Technical Staff Qualifications Summary
- Table 4.** ICF Team Estimated Hours
- Table 5.** Client References

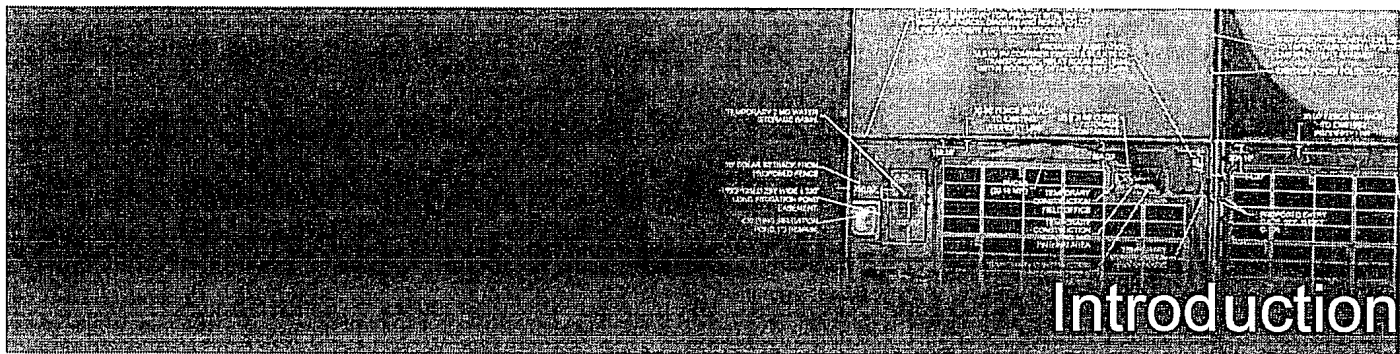
**Figures**

- Figure 1.** ICF Team Organization Chart
- Figure 2.** Key Steps of the EIR Process for the Cuyama Solar Array Project
- Figure 3.** Project Schedule



# Introduction





ICF Jones & Stokes, Inc. (an ICF International company hereafter referred to as ICF) is eager to assist the County of Santa Barbara, Planning & Development, Energy Division (County) with all aspects of preparing and processing an Environmental Impact Report (EIR) for the Cuyama Solar Array Project. Because this would be the first utility-scale solar project in Santa Barbara County, the County and First Solar, Inc. (First Solar) are in need of a consultant that brings demonstrated experience with similar utility-scale solar projects, technical expertise to partner with the County to address the key environmental issues, and depth of staff resources to be responsive to the County's needs. ICF is ideally suited to work with the County on such an important project.

We are currently working on eight utility-scale solar EIR projects with Kern County, and we already completed three EIRs for solar projects that were certified in 2011. Our staff, under the direction of Chad Beckstrom, AICP, worked closely with County staff to prepare the first EIR for a utility-scale solar project in Kern County, which became the model for subsequent EIRs being prepared by ICF and other consultants. We will apply our demonstrated experience, successes, and lessons learned from these prior efforts to this project for the County. These projects involved analyzing impacts and developing mitigation for many of the same issues related to the Cuyama Solar Array Project, such as agricultural conversion and Williamson Act cancellations, biological resources, aesthetics and visual resources, air quality and greenhouse gas (GHG) emissions, to name a few.

## Project Understanding and Approach

Cuyama Solar LLC, a wholly owned subsidiary of First Solar is proposing to construct and operate a 40-megawatt (MW) photovoltaic (PV) solar generation facility on a 327-acre site located just outside the

### When Experience Matters



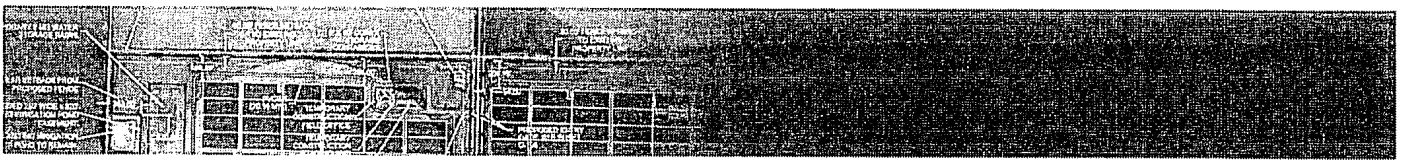
We understand the Cuyama Solar Array Project represents the first commercial-scale solar project in Santa Barbara County. We understand the significance of this kind of project, and the challenges it can present.

The ICF team brings direct experience in this field. We recently completed an EIR for the first utility-scale solar project in Kern County. The Lost Hills Solar EIR is currently being used as a *model template* for future projects.

We have supported more than 50 additional solar development projects with a wide range of environmental consulting services, including compliance with the requirements of CEQA—one of our cornerstone service areas.

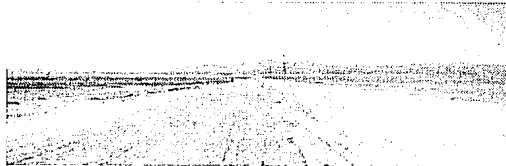
We are excited to leverage our experience and expertise to prepare the Cuyama Solar Array Project EIR. For this important project, ICF will serve as the prime contractor. Our team includes two subcontractors, Insight Environmental Consultants (Insight) for air quality and AMEC Environmental & Infrastructure, Inc. (AMEC).





## Cuyama Solar Array Project

We know the Cuyama Valley is a prime destination for solar development in Santa Barbara County because of its location, ideal insolation conditions, and local and state government support for these types of projects.



ICF will draw upon our experience preparing EIRs for several utility-scale solar projects in the southern San Joaquin Valley, including neighboring Kern County.

community of Cuyama. The site comprises five parcels that are currently owned by Bolthouse Properties, LLC and are actively being cultivated with carrots and other rotational crops.

The Cuyama Solar Array Project features thin film solar panels that would be mounted on support structures equipped with a horizontal tracking system arranged in a grid pattern across the site. Supporting infrastructure would also accompany the solar arrays, including anemometer towers to monitor wind speed and communicate with the tracker units, power conversion stations, inverters, step-up transformers, switch gears, underground cables and above-ground lines mounted on wooden poles, and an on-site substation. Power would be delivered from the site via a three-mile generation tie-line

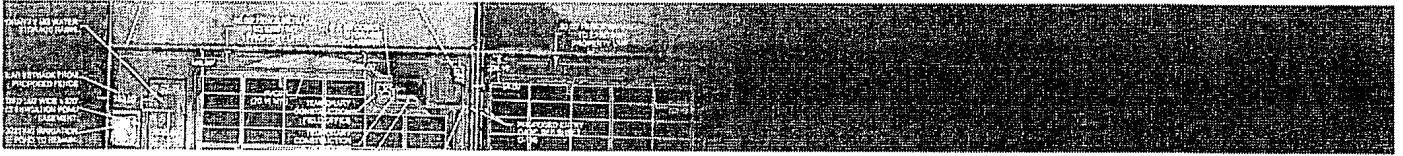
that would extend from the site along Kirschenmann Road and Washington Street to the Cuyama Substation, where it would deliver the power to the grid at its connection with the Taft-Cuyama 70kV (kilovolt) #1 Line to the west side of the substation. The generation tie-line would be constructed by the Pacific Gas & Electric Company (PG&E), and the existing 12kV wood distribution poles would be replaced with new light-steel poles (70- to 100-foot tall spaced about 300- to 500-foot apart).

Discretionary approvals required for the project include a Conditional Use Permit, consistency rezone for four parcels, lot line adjustment for three parcels, and removal of approximately 167 acres from an Agricultural Preserve Contract. Additionally, the Applicant is requesting an Ordinance Amendment to the Land Use and Development Code (LUDC), which if approved, would allow for large utility-scale solar projects in the AG-II Zone in the Inland Area of the County subject to a major Conditional Use Permit.

ICF shares the objective with the County to prepare a legally defensible and objective EIR pursuant to the State California Environmental Quality Act (CEQA) Guidelines, the Santa Barbara County CEQA Guidelines, and the County's Environmental Thresholds Guidelines and Manual. The environmental analysis would address construction and operational impacts in accordance with the County's Class I through Class IV impact categories, and would include impacts of the generation tie-lines. The proposed LUDC Amendment would need to be addressed to programmatically evaluate impacts associated with allowing for utility-scale solar projects in the AG-II Zone in the Inland Area of the County.

ICF recognizes that a lot of work has already been completed and provided by First Solar, and will apply those efforts to streamline the process for this project. Our team routinely works with municipal government clients on projects where the technical studies have been prepared by other consultants,





and can readily incorporate the appropriate data into the CEQA document. In fact, our work with Kern County involves a very similar scope of work, evaluating and applying the results of technical reports prepared by RBF Consultants (RBF) and other consultants, while minimizing the need for redundant work. We will thoroughly review the existing documentation, work with the County and evaluate the studies to ensure they are adequate for CEQA, incorporate the results of those studies and develop the programmatic analysis for each environmental discipline to address the LUDC Amendment to minimize costs and avoid schedule delays.

## Key Issues to be Addressed

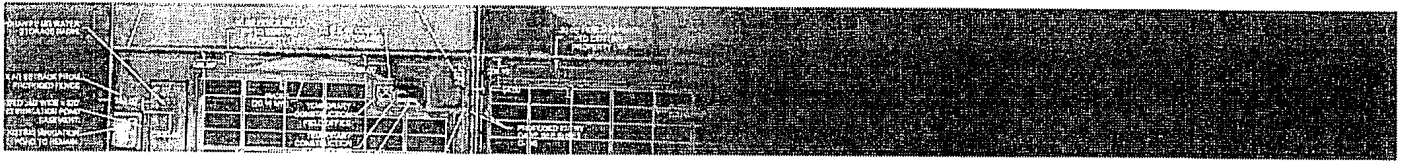
Although renewable energy is popular with the public and many government decision makers, concerns have been voiced about the development of large utility-scale solar projects, including issues related to loss and fragmentation of biological habitat and agricultural lands, as well as impacts on aesthetic and visual resources, cultural resources, water resources, land use, noise, and traffic. Additional concerns have been raised on this project by some members of the local public regarding the capacity of the substation and transmission lines relative to future opportunities for renewable energy development in the Cuyama Valley, as well as impacts to the local power supply reliability. The EIR for this project will need to thoroughly address these issues.

In order to gain a better understanding of the project and to “hit the ground running” for the preparation of the project’s environmental documentation, ICF has reviewed the technical reports provided by First Solar. The majority of the technical studies appear to be well done, address the issues appropriately, and can be readily incorporated into the EIR analysis. Our understanding of the key environmental issues, challenges, and potential solutions on the Cuyama Solar Array Project are described below and are based on our extensive experience with similar utility-scale solar projects within California, including those in neighboring Kern County.

- **Agricultural Resources.** The Cuyama Valley is a productive agricultural area within Santa Barbara County. The project site is currently being used to cultivate carrots and other row crops and is designated as Prime Farmland and Farmland of Statewide Importance. A portion of the site is also within an Agriculture Preserve under the Williamson Act Contract. Much of the surrounding land is used for a variety of agricultural activities, with a large portion of the area owned by Bolthouse Properties, LLC (inclusive of the project site).

Sage Associates prepared an Agricultural Suitability Report to determine the agricultural suitability and long-term viability of the land proposed to be devoted to the Cuyama Solar Array Project. The study determined that the project site is less agriculturally viable than the adjacent fields to the north and are further limited by a lack of adequate on-site irrigation water. However, the impact significance conclusions formulated in the report provided a range of possible impacts and were somewhat open to interpretation based on various assumptions.





Project impacts upon agricultural resources and consistency with the County's Uniform Rules and State Williamson Act are the foremost issues of this EIR. ICF has retained AMEC to build upon the existing technical studies and information, describe the existing local and state regulatory framework with regard to Agricultural Resources, identify both project-level impacts relating to the conversion of agricultural contract land, and program-level impacts of future potential conversions of agricultural lands to large-scale commercial solar energy projects upon non-coastal County lands within the AG-II zone district, and identify mitigation measures to reduce impacts associated with the agricultural conversion of the site upon surrounding agricultural uses, consistent with the County's Right-to-Farm Ordinance. For programmatic LUDC Amendment impacts, AMEC will identify minor changes or adjustments in the proposed Ordinance Amendment language that may partially address potential impacts. .

We understand that First Solar is currently preparing additional documentation regarding site selection criteria that will help support the request to cancel the Williamson Act Contract and will also help screen and analyze alternatives in the EIR. Should impacts be determined to be significant, ICF and AMEC have experience working with other agencies to develop a range of possible mitigation measures for the loss of agricultural land, such as compensation, establishing agricultural conservation easements, or seeking credits from a mitigation bank.

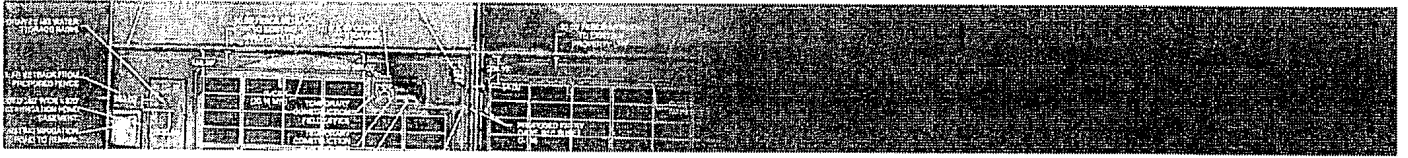
- **Aesthetics/Visual Resources.** The project site is situated within a rural area of the Cuyama Valley and is located approximately 1.8 miles from State Route (SR)-166, and two to three miles south of the community of Cuyama. The majority of views to the project site include views from surrounding residential uses, as well as from motorists traveling along Kirschenmann Road and Foothill Road. Because the site is flat, views from SR-166, the Cuyama River, and the developing area of Cuyama are not readily afforded.

The proposed project could result in changes in visual character for nearby sensitive receptors, modifying the rural agricultural fields to a solar generating facility, along with associated transmission lines to the substation. Personal responses could vary depending on the locations of the receptors and site factors such as the existing scenic quality of the area.

Public scoping comments were received relative to concerns over the appearance of the fencing, as well as potential views from Highway 33. The simulations provided by RBF appear to be well prepared and offer representations of post-construction conditions from several vantage points that will assist in the impact analysis. Additional simulations of views from Highway 33 may be needed to address comments received during scoping. While fencing standards are required by regulation, ICF will work with the County to evaluate possible mitigation, such as landscaping treatments, to reduce impacts.

- **Land Use/Planning.** The project is located within the Cuyama Valley of northeastern Santa Barbara County within the boundaries of the Cuyama Rural Region. The project site's land use designation is Rural Area and the surrounding land uses are predominantly dry land farming





and irrigated row crops, and cattle grazing. Scattered residential development, typically ranch houses and farm employee housing, are located on nearby properties. The proposed project site is bisected by Kirschenmann Road in a north/south direction. First Solar is seeking several land use changes, including a Conditional Use Permit, consistency rezone, lot line adjustment, and a LUDC Amendment to allow for large utility-scale solar projects in the AG-II Zone in the Inland Area of the County subject to a major Conditional Use Permit.

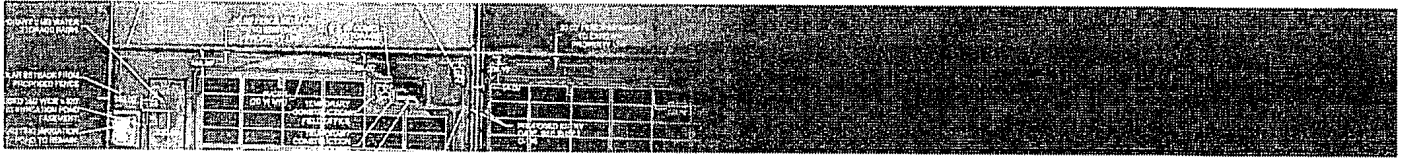
Public scoping comments have been presented over land use compatibility concerns. These proposed land use modifications will need to be addressed in terms of compatibility with existing plans, zoning, and how they may affect existing land uses. ICF has teamed with AMEC to address Land Use issues, evaluate consistency with plans and policies, and address the implications of the LUDC Amendment. AMEC will review existing Comprehensive Plan Elements, their policies, and other land use regulations potentially applicable to the proposed project (i.e., airport land use regulations associated with the new Cuyama Airport and design standards that may apply to the proposed transmission lines); identify potential growth-inducing effects, patterns of potential growth associated with the partial cancellation of the Williamson Act contract, development of a commercial-scale energy facility, and development of the generation-tie lines along the proposed transmission route; and assess project consistency with land use policies and regulations, and identify potential project-specific impacts associated with the proposed Cuyama Solar Array project.

AMEC will also assess project consistency with Land Use and Agricultural Elements and all applicable County Plans and Policies. However, the focus of our analysis will be upon project consistency with the Williamson Act and County Uniform Rules. AMEC will clearly describe relevant provision of the Williamson Act and Uniform Rules and how they interrelate; describe the role and authority of the Department of Conservation, Agricultural Preserve Advisory Committee (APAC), and Agricultural Advisory Committee (AAC); identify past precedents, regulations, and legislation as they pertain to cancellation of Williamson Act contracted lands; build upon the Agricultural Resource analysis to identify potential permit pathways to permit consideration of project approval (e.g., use of replacement contracts), including potential sites available to wholly or partially offset loss of contracted land; and assess project consistency with land use policies and regulations, and identify potential impacts associated with both the Ordinance Amendment and proposed Cuyama Solar Array project.

The proposed LUDC Amendment would need to be addressed programmatically for all Inland Areas of the County. ICF's and AMEC's planners will conduct a qualitative analysis of the impacts associated with the proposed ordinance amendment and land use changes relative to appropriate County plans, policies, and ordinances. ICF and AMEC will also work with the County to recommend inclusive development standards for the LUDC Amendment as they pertain to environmental considerations for future projects.







In addition to this factual analysis within the EIR, AMEC will coordinate with ICF to map an approach to working with the APAC, AAC and Department of Conservation (DOC) on this sensitive issue. This may include early outreach and coordination with key stakeholders, inquiries of other jurisdictions that have addressed this issue and early conference calls with DOC to identify and address potential concerns.

- **Biological Resources.** The proposed project may have an impact on local flora and fauna resulting from clearing and grading the site during construction and long-term operation. On-site vegetation includes cattails and willow weed near the irrigation pond, as well as the agricultural crops. The dense growth of carrots makes travel across the site difficult for small and medium sized mammals. The site is not suitable for burrowing, and the only forage available is crops.

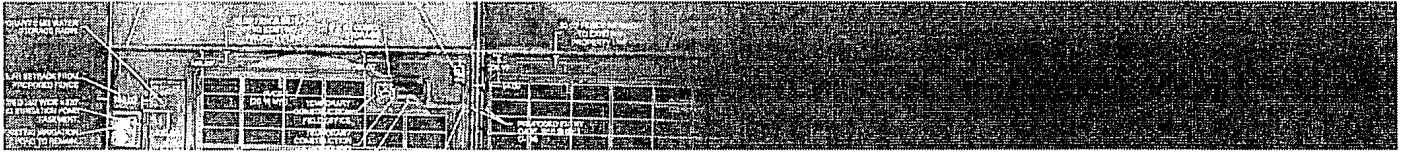
State and federal agencies are most concerned with direct and indirect impacts on threatened and endangered species. ICF's review of the technical studies completed by URS Corporation (URS) leads us to conclude that the primary biological issues on the site include kit fox and foraging by raptors such as the Golden eagle. In response to the Notice of Preparation (NOP), the U.S. Fish and Wildlife Service (USFWS) is requesting protocol surveys for Golden eagle. We understand that First Solar is having their consultants update the biological study, prepare a presence absence survey for Golden eagle and other raptors, and prepare a jurisdictional delineation of the potential wetland onsite in response to California Department of Fish and Game (DFG) and USFWS comments, and we will incorporate the results of all of the studies into the EIR.

Our team of biologists understands agency objectives and the preferred strategies for compliance with the federal Endangered Species Act (ESA), the California Endangered Species Act (CESA), and the Migratory Bird Treaty Act (MBTA). We have worked with other agencies on similar projects to develop a range of possible mitigation measures for impacts to biological resources, such as considerations for permeable fencing or gaps to accommodate wildlife movement, requiring preconstruction surveys, establishing no-disturbance buffers, or using passive relocation measures.

- **Cultural Resources.** Several areas in northeastern Santa Barbara County may be considered sensitive for archaeological resources from both prehistoric and historical periods. However, according to the Phase I Cultural Resources Survey of the Cuyama Solar Array Project, prepared by URS (February 2010), no archaeological sites have been recorded within or adjacent to the project area, and no archaeological sites were observed during the field survey. However, Native American concerns have been raised by the Santa Ynez Band of Chumash Indians (SYBCI) Elders Council regarding possible cultural remains in the area.

Based on the County's Cultural Resources Guidelines and the location of the site within alluvial deposits, the County is requiring an expanded Phase I to provide subsurface testing to assess





the presence or absence of buried cultural resources. ICF understands that First Solar will be responsible for providing this additional analysis. We will review and incorporate the results of the Cultural Resources Report prepared by URS, along with the expanded Phase I, and will address these impacts along with appropriate mitigation, such as construction monitoring and identifying contingent treatment measures should any unexpected discoveries occur during construction.

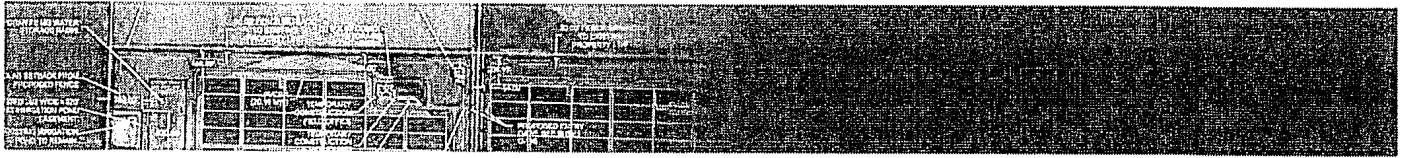
- **Hydrology/Groundwater/Flooding/Water Quality.** One blue-line stream is located within the southeastern portion of the project site, which originates in the hills of the Sierra Madre Mountains to the south. However, due to intensive agricultural operations at the project site, the stream is no longer visible and is non-functional. RBF prepared a technical engineering study/evaluation for the project on issues related to drainage, surface hydrology, and water quality. The results demonstrate a general increase in peak flows and runoff volume across the outfall boundary along the north perimeter of the project site, but the historic flood patterns, depths, and velocities would remain relatively unchanged with implementation of the project. Other potential impacts on water resources that could result from construction and operation of the project include erosion, increases in sedimentation, increases in stormwater runoff and urban pollutants, and effects on groundwater.

While the project would generally not affect groundwater recharge potential, the change in water requirements from agricultural irrigation versus the water demand for operation of the solar facility (generally for array cleaning), would be discussed in the EIR. ICF will work with the County to develop mitigation, which may include long- and short-term best management practices (BMPs) to mitigate the effects and comply with Regional Water Quality Control Board (RWQCB) regulations and requirements.

- **Air Quality/GHG Emissions.** The project site is located within the South Central Coast Air Basin (SCCAB), and air quality in the project area is regulated by the Santa Barbara County Air Pollution Control District (SBCAPCD). RBF prepared an Air Quality/GHG Assessment to evaluate potential short- and long-term air quality and GHG impacts resulting from implementation of the proposed project. Due to the limited period of time that grading activities and deliveries will occur, construction-related emissions were determined to be less than significant with mitigation measures to comply with SBCAPCD regulations for fugitive dust and ozone precursors. Long-term operational impacts were determined to be less than significant and possibly beneficial as the project would generate GHG-free electricity that could offset emissions from fossil fuel-fired electric generators. We understand that First Solar is having their consultants update the air quality emissions study in response to comments from the SBCAPCD, and will incorporate the results of all of the studies into the EIR.

GHG emissions and their impact on climate change must also be determined and addressed in the analysis as required by CEQA and Assembly Bill (AB) 32 (the California Global Warming





Solutions Act of 2006). PV solar power projects help reduce GHGs and other criteria pollutants by displacing the use of fossil fuels. ICF will highlight the offset in carbon dioxide and other emissions that would have resulted from producing an equivalent amount of electricity from the existing sources that supply the grid. We will also incorporate the appropriate mitigation measures that have already been identified in the First Solar report.

- **Noise/Acoustics.** Noise and vibration could occur to sensitive land uses during construction of the proposed project. There are 14 single-family rural residential areas (very low density) and one school, Cuyama Elementary School, within the project vicinity; with the nearest residential receptor located approximately 134 feet to the east of the project site. RBF prepared an Acoustical Assessment to address both construction and long-term operational impacts from the proposed project. ICF has reviewed the study and determined it to be well prepared and adequate for the EIR.

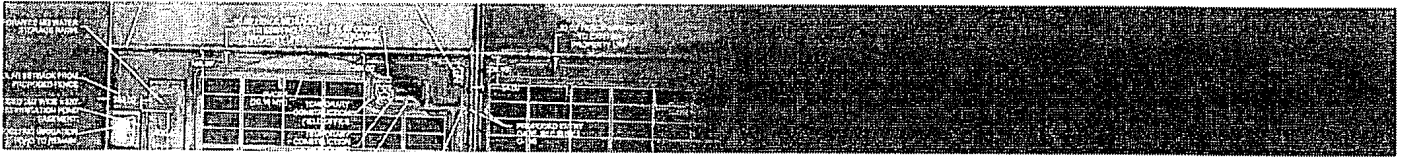
Construction noise impacts were determined to occur over a period of approximately 22 months resulting from heavy equipment involved in clearing and grading the site, erosion control, soil compaction, trenching, installation of fencing along the project boundary, construction of the plant substation, and post drivers used to install mounting supports for the PV panels. Mitigation measures would be necessary to minimize impacts; however, construction noise may be considered significant even with mitigation if construction must occur outside the allowable periods stipulated in the Noise Ordinance.

Long-term operations would generate relatively little noise from operation of electrical equipment, corona noise from the 70kV generation tie-in line, noise from horizontal trackers, and noise from vehicle operations during routine operations and maintenance. These noise levels are anticipated to be low frequency and inaudible or undetectable to surrounding receptors.

- **Traffic.** Traffic associated with the proposed project would primarily be generated during construction. Operational traffic would be minimal as the site would be unmanned, but will require routine maintenance and security by a small number of individuals. RBF prepared a Traffic Impact Assessment for the project, which analyzed construction, operational, and cumulative traffic impacts associated with the proposed project. Study intersections are forecast to operate at an acceptable level of service (LOS), even with the cumulative projects, and would not be significantly impacted with the addition of project construction-generated trips.

A comment received from the California Department of Transportation (Caltrans) on the NOP requests that the intersection of SR-166 and Kirschenmann Road be reevaluated to address the right turn movements and whether a dedicated right turn pocket is required, along with the storage requirements and deceleration length for the left turn lane on westbound SR-166. We understand that First Solar is having their consultants update the traffic study to address





these concerns, and ICF will incorporate the results into the EIR, along with any necessary mitigation measures.

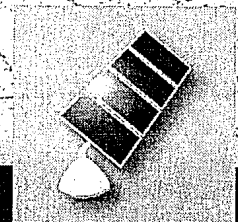
- **Transmission Capacity.** Public scoping comments were raised regarding impacts of the proposed project on the remaining capacity of the Cuyama substation. Additionally, anecdotal comments about local brown-outs arose, along with concerns over how the project would affect local power reliability. While this is not a CEQA issue, we understand that the County would like the selected consultant to provide some analysis for informational purposes in the EIR.

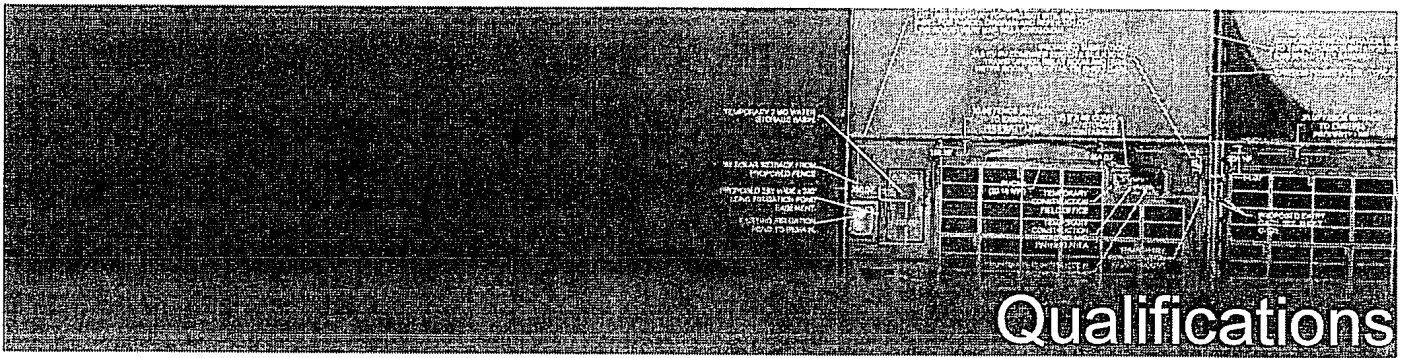
In addition to providing environmental planning services, ICF also consults with the commercial energy industry on transmission planning issues. We have been very active in the California power market, as well as the rest of the Western Electricity Coordinating Council (WECC), and we are uniquely qualified to support the County in this effort. Our recent and ongoing work in WECC includes assessments of interconnection locations for solar and other renewable generation, transmission impact assessments, wind transmission collector system design, generation dispatch analysis, and valuation and market studies for major power generation projects.

ICF will perform a review of PG&E's current interconnection queue to identify potential generation projects seeking to interconnect at the Cuyama substation. We will review all publicly available system impact studies and facility studies to understand the existing and remaining capacity should the project be implemented. We will also research any proposed transmission upgrades in the area to assess if it could impact potential transmission capacity at the Cuyama substation.



# Qualifications





We understand the scope of services for the Cuyama Solar Array Project includes the preparation of an EIR. ICF has prepared thousands of CEQA documents for a wide range of projects, including renewable energy developments. We provide expertise for the full range of services, including constraints analysis, resource and technical studies, and CEQA documentation. ICF has supported more than 50 solar development projects. We have worked for both lead CEQA agencies and applicants, and

### ICF Highlights

**Brief History:** ICF was founded in 1969. Our Environment & Planning Division (formerly known as Jones & Stokes Associates, Inc.) was founded in 1970 in Sacramento. We are a recognized leader and authority in environmental compliance, and have provided this expertise to a wide range of clients, including local municipalities.

**Organization Structure and Top Management:** We have formed an experienced team to support the County and First Solar on the Cuyama Solar Array Project, presented in Figure 1. Additionally, our firm offers more than 4,000 staff across 50 offices worldwide, including more than 600 environmental professionals in 20 offices in our Environment & Planning Division. This includes our local Irvine and Bakersfield offices, where our project management team is based.

**Company Type:** Corporation

**Tax Identification:** 94-1730361 (Jones & Stokes Associates, Inc.; business name ICF Jones & Stokes, Inc.)

understand both sides of the environmental compliance process. This is important in finding collaborating solutions that will work for all parties. Additionally, we know the issues that arise in the environmental processes for solar developments, and have experience developing feasible mitigation approaches to address those issues.

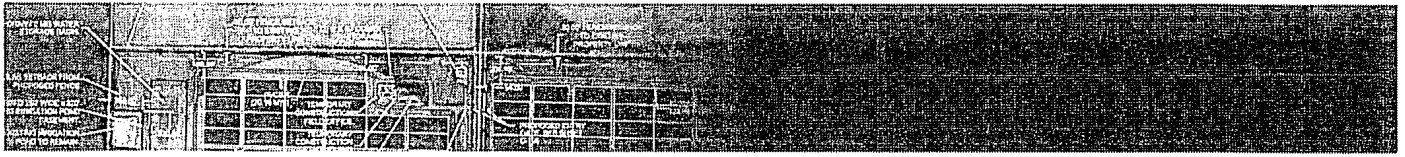
ICF's expertise with CEQA dates back more than 40 years, where our founders (under the legacy of Jones & Stokes) helped draft the original CEQA legislation in 1970. This passion continues in our planners today, and is evident in our reputation as CEQA experts across the industry. Our clients have come to know ICF to be highly responsive, technically superior in our work methods and products, and a dependable source of information and strategy on the latest developments and complexities in CEQA compliance.

ICF's staff includes in-house environmental attorneys who are knowledgeable in all aspects of environmental law and regulations and keep abreast of current court decisions regarding CEQA, the Clean Water Act (CWA), ESA, Clean Air Act, and other federal and state

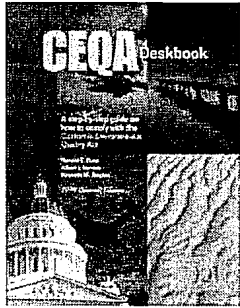
environmental laws to provide valuable and up-to-date information and strategies to our clients, and to provide quality assurance on our CEQA documents.

Our in-house environmental counsel co-authored several industry-wide desktop reference guides, including *The CEQA Deskbook: A Step-by-Step Guide on How to Comply with the California Environmental*





## Leading Authority in CEQA



ICF has been a recognized authority in CEQA for more than 40 years, since our founder helped write the original CEQA legislation in 1970. Our in-house environmental counsel has co-

authored several industry-wide desktop reference guides, including *The CEQA Deskbook: A Step-by-Step Guide on How to Comply with the California Environmental Quality Act*.

*Quality Act*. A large majority of our senior staff, including Chad Beckstrom (proposed Project Manager), serve as regular instructors in our Environmental Education Program, teaching basic to advanced CEQA classes throughout the University of California Extension Program and other professional organizations.

In addition to our CEQA expertise, ICF brings additional expertise in transmission planning studies, transmission asset valuation, due diligence, Locational Marginal Price (LMP) forecasting, merchant transmission investment assessment and power systems modeling. This includes specialized expertise in load forecasting methodologies, generation interconnection and risk assessment, estimation of transmission congestion, NERC Reliability

Standards Compliance and benefits of Regional Transmission Organizations (RTO) in deregulated energy markets.

Our recent experiences includes a number of projects in the San Joaquin Valley, including Kern County. We are providing CEQA expertise to Kern County for eight separate utility-scale solar projects. Of this experience, we recently completed an EIR for their Lost Hills Solar EIR, which represented the first utility-scale solar project to be approved in Kern County. The EIR is currently being used as a model template for future projects.

We are recognized CEQA leaders in Santa Barbara County, through our performance on several projects, including the City of Goleta’s first General Coastal/ Land Use Plan EIR, and the Bishop Ranch Property Study. We also hold an existing master services contract with the County of Santa Barbara Department of Public Works for as-needed services in environmental documentation preparation and permitting.

## Recent Experience

ICF brings a long history of providing a wide-range of environmental services in support of solar projects. Our growing portfolio of solar projects in Kern County and throughout the State of California will benefit the County and First Solar because of our team’s understanding of major issues related to solar facilities, such as agriculture/land use, wildlife habitat and movement concerns, aesthetic and viewshed issues, and cumulative impacts. We provide expertise in how to effectively analyze solar-specific impacts and how to mitigate for such impacts.

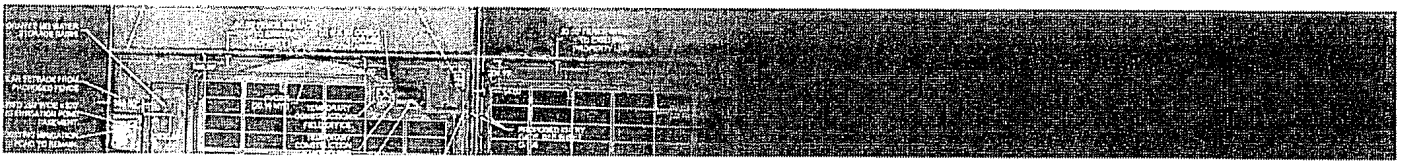
To demonstrate our relevant knowledge and experience, we have summarized a select sampling of our key solar project experience in Table 1. We have also selected a few related projects to present in detail following the table.



Table 1. ICF's Select Solar Experience Summary

Project Details	Client		ICF's Scope						Environmental Resources Addressed													
	Agency/Client	Project/Program	Site Specific	Permitting	Construction	Operation	Maintenance	Decommissioning	Energy	Water	Soil	Vegetation	Wildlife	Historic Resources	Cultural Resources	Geology	Seismicity	Climate Change	Greenhouse Gas Emissions	Other		
Project Details	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
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## EIRs for Eight Utility-Scale Solar Development Projects—County of Kern, Valley, Desert, and Mountain Regions of Kern County, California

ICF has prepared or is currently preparing EIRs on behalf of the Kern County Planning Department for eight separate PV solar development facilities throughout the County of Kern. Kern County had received multiple applications for utility-scale solar development projects through the valley, desert, and mountain regions of the County, which are estimated to cover approximately 26,000 acres of land to provide up to 2,000-MW of renewable electric power in response to California’s Renewable Portfolio Standards. ICF was selected as one of two consultants to Kern County to prepare the environmental impact analysis to meet the requirements of CEQA.

Each project represents similar solar technologies, but has unique issues due to the locations of each of the facilities. The following Table 2 presents the projects that have been prepared or are currently under preparation with Kern County.

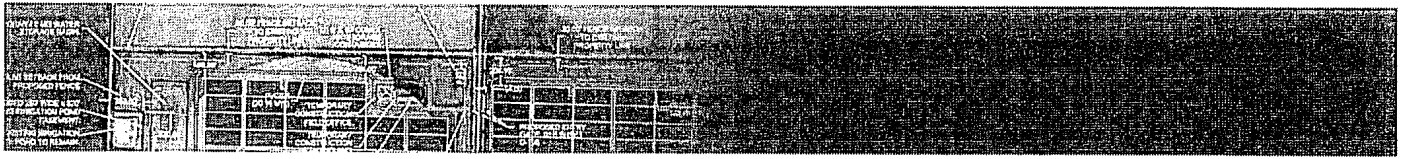
Major issues that ICF addressed as part of the EIRs included: aesthetics and visual impacts, including preparation of visual simulations; air quality emissions and agricultural land conversion, including cancellation of Williamson Act contracts; biological habitat modification and impacts to sensitive plant and wildlife species; cultural resources impacts to archaeological, paleontological, and historic sites; hydrology and water quality impacts, including siting in floodzones, land use compatibility near established communities, and impacts to public services and utilities in rural settings; traffic impacts during construction; and cumulative effects from the development of the combination of these projects. ICF conducted a third-party review of the resource technical reports prepared by the Applicants’ consultants using augmented Kern County protocols to ensure technical accuracy and compliance with CEQA standards.

Table 2. EIRs for Eight Utility-Scale Solar Development Projects

Project Name	Scale	Location	Project Details
Lost Hills Solar Project (by Blackwell)	32.5-MW	307 acres in the northwestern portion of Kern County	<ul style="list-style-type: none"> <li>The EIR addressed two separate facilities within the same document, the Lost Hills Solar Facility (20-MW) and the Blackwell Solar Facility (12.5-MW).</li> </ul>

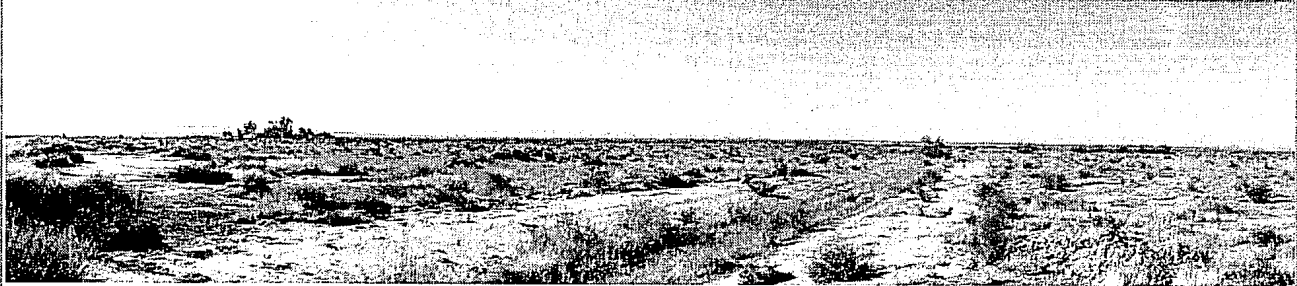
The Lost Hills Solar project represented the *first* utility-scale solar project EIR certified and approved in Kern County.





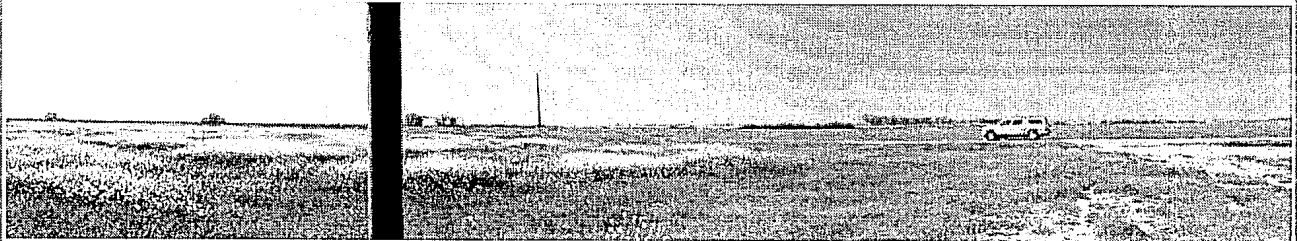
Name	Scale	Location	Project Details
Maricopa Sun Solar Complex Project by Maricopa Sun, LLC	1,045-MW	9,027 of non-contiguous property in southwest Kern County.	<ul style="list-style-type: none"> <li>The EIR included a programmatic component for the full 9,027 acres, and a project-level detail analysis for 700-MW on 6,046 acres.</li> </ul>

This Maricopa Sun Solar Complex Project EIR was certified in mid-2011, and the project was approved by the Kern County Board of Supervisors.



Valley Solar Project by Valley Solar Development Company, LLC	48-MW	Four separate non-contiguous sites, totaling 441 acres in western Kern County.	<ul style="list-style-type: none"> <li>The EIR addressed the impacts separately for each site, where applicable.</li> <li>Several of these sites were surrounded by residential development.</li> </ul>
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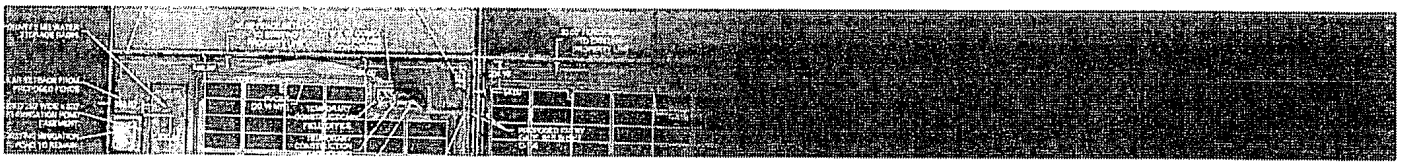
This EIR was certified in late 2011 and the project was approved by the Kern County Board of Supervisors.



Old Power One and Old Power Two Solar Projects by Renewable Energy	25-MW	Two contiguous sites totaling 234 acres in southwest Kern County.	<ul style="list-style-type: none"> <li>These sites are located directly across Shafter Road from a residential community.</li> <li>ICF is currently preparing this EIR.</li> </ul>
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Weldon Solar Project by Renewable Resources	60-MW	500 acres in northwest Kern County.	<ul style="list-style-type: none"> <li>This project is located within a sensitive visual landscape, and the local community is organizing around opposition to the project.</li> <li>ICF is currently preparing this EIR.</li> </ul>
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Name	Scale	Location	Project Details
Mojave Solar Project by Proterra Renewables Ventures	20-MW	174 acres in eastern Kern County.	<ul style="list-style-type: none"> <li>The project is adjacent to Edwards Air Force Base, and involves a several-mile generation-tie line as part of the project to connect to an off-site substation.</li> <li>ICF is currently preparing this EIR.</li> </ul>
IRV Valley Solar Projects (Regulus, Apollo, Orion) by IRV Apollo Solar LP	115-MW	Three separate noncontiguous sites, totaling 1,063 acres in southwest Kern County.	<ul style="list-style-type: none"> <li>The EIR is analyzing the impacts separately for each site, where applicable.</li> <li>ICF is currently preparing this EIR.</li> </ul>
Orion Solar Project by IRV Orion LP	20-MW	265 acres in central Kern County.	<ul style="list-style-type: none"> <li>The project will encompass a General Plan Amendment, Conditional Use Permit, cancellation of Williamson Act land use contracts, and a lot line adjustment.</li> <li>ICF recently began this project.</li> </ul>

### Rosamond PV Solar Project—Sempra Generation, Kern County, California

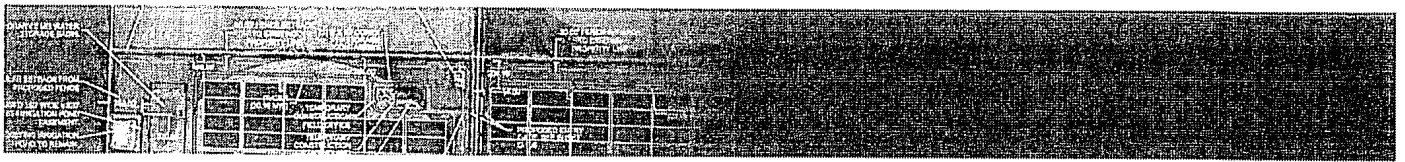
ICF prepared technical studies in support of a 120-MW solar project in Kern County, including an air quality assessment, a biological resources technical report, and cultural resources inventory and site testing and evaluation reports.

The project faced significant opposition and legal challenges due to potential conflicts with adjacent land uses, and ICF worked as part of a collaborative team with Kern County and the Applicant to address these issues. Of particular concern were cumulative impact issues. ICF leveraged our CEQA experience and extensive work on EIRs throughout the State to develop appropriate responses to comments, and modify the analysis so that it addressed the public and agency concerns. ICF's technical studies gained approvals from the Kern County Planning Commission and Board of Supervisors and withstood legal challenges from project opponents.

### Kern County Solar Siting Assistance and Technical Studies for 10 Different Utility-Scale Projects—Iberdrola Renewables, Kern County and Additional Various Sites in Southern California

ICF has managed 10 different preliminary site assessments for utility-scale solar projects across southern California, as well as locations in Colorado and Nevada. We have provided critical issues assessments, focused on key regulatory and environmental constraints and resource issues that are likely to be encountered. Key issues included biological constraints, aesthetic impacts, agricultural resources, and land use compatibility.





For each project location, our staff supervised research and coordination efforts with local, regional, state, and federal agencies to determine the required permitting process for the project application, with particular attention to agricultural restrictions and biological protocol and mitigation requirements. Based on these site assessments, our staff provided summary recommendations for each location, assisting Iberdrola Renewables in determining the best sites to move forward with in the development process.

ICF performed each of these site assessments with a high degree of detail, while remaining within a limited budget and maintaining an aggressive schedule. These site assessments required the highest level of factual accuracy as part of Iberdrola Renewables’ due diligence process. Our staff performed diligent data mining, geographic information system (GIS) analysis, and careful cross checking of sometimes incomplete agency or environmental resource information, enabling us to prepare a highly detailed work product with unique insight for each project location.

### General Plan Update/Coastal Land Use Plan, EIR and Supplemental EIR—City of Goleta, California

ICF’s recent experience in Santa Barbara County includes preparing the first General Plan/Coastal Land Use Plan EIR for the City of Goleta. The City was incorporated in 2002, and an extensive public involvement program was conducted to solicit input on alternative planning scenarios.

*The Best Measure of Our Project Success is What Our Clients Say...*

ICF’s performance on the General Plan Update/Coastal Land Use Plan, EIR and Supplemental EIR was well-received by the City of Goleta.

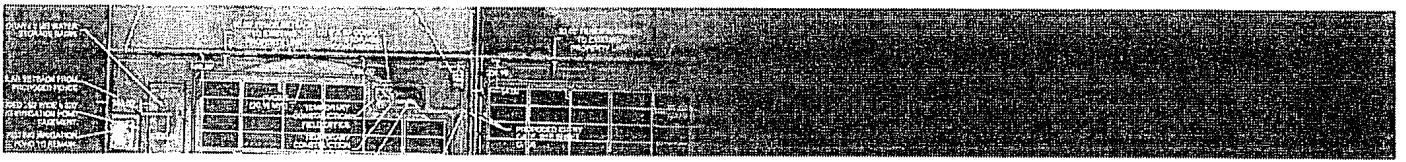
The City’s Advance Planning Manager, Anne Wells complimented our team: “As the manager for the General Plan program, I recommend ICF on six accounts: excellent service, excellent budget management, excellent communication, technical expertise, high quality editing and formatting services, and professional staff.”

Led by Charles Smith, AICP (our proposed Project Director), ICF prepared the draft and final EIRs, including issuance of the NOP, development of the project and alternatives descriptions, preparation of setting and impact analyses for all applicable environmental disciplines, and development of mitigation measures to reduce potentially significant impacts. Our studies addressed all environmental disciplines relevant to a multidisciplinary general plan program analysis. For example, the public services and utilities analysis addressed water, wastewater, and landfill capacity such that conclusions could be drawn regarding the ability of service providers to accommodate future planned growth in the City of Goleta and its sphere of influence. We also

provided public hearing support to the Planning Agency and City Council and responded to over 950 comments on the draft EIR within a compressed timeframe.

Upon Cityhood, Goleta continued to use the County of Santa Barbara thresholds, ultimately formalizing their use within the City’s Environmental Thresholds and Guidelines Manual (adopted in August 2008). ICF’s CEQA documents for the City of Goleta have principally relied upon these





thresholds, effectively providing our staff with familiarity and expertise in understanding and utilizing the County's thresholds across all environmental disciplines. County and regional agencies in Santa Barbara that ICF has also consulted with in the course of General Plan work for the City of Goleta include:

- Santa Barbara County Air Pollution Control District and its Clean Air Plan (CAP);
- Santa Barbara County Fire Prevention Division;
- Santa Barbara Flood Control and Water Conservation District; and
- Santa Barbara County Association of Governments (SBCAG) and its Airport Land Use Plan.

ICF's contributions led to the General Plan and EIR adoption in late 2006. ICF also prepared a Supplemental EIR for the GP/CLUP in 2009.

### **Bishop Ranch Property Study—City of Goleta, California**

The City of Goleta retained ICF to study the Bishop Ranch property (approximately 240 acres) and review the Bishop Ranch 2000, LLC application requesting an initiation of General Plan Amendment(s) (City Case No. 10-052). The study evaluated the potential implications of developing the Bishop Ranch property, provided a body of information and considerations to guide the preparation of a staff report, and assisted the City Council in their decision regarding initiation of General Plan Amendment(s).

ICF staff conducted preliminary research and evaluated a wide variety of resources to close technical data and information gaps about the property and to identify public policy issues and conflicts that would need further evaluation. Additionally, ICF assisted the City in identifying scoping activities associated with a full public planning process, including public involvement/community outreach, pathways and sequencing of necessary determinations, timing, and associated costs.

As part of the project, ICF worked closely with our subcontractor Sage Associates, who prepared an Agriculture Report in support of the Property Study. Sage's scope of work included: review of agriculture documents provided by the client; site visit and agricultural field assessment; review of Natural Resource Conservation Service (NRCS) soil survey and California Department of Conservation Important Farmlands mapping information; coordination with the County Agricultural Commissioner's Office, California Farm Bureau, and other agricultural stakeholders; assessment of the Bishop Ranch's CEQA agricultural significance; preparation of an agricultural summary report; and joint participation with ICF at City Council meetings. The overall result of this effort was a successful collaboration between ICF and Sage Associates in addressing this important topic to the City's satisfaction.



# Personnel

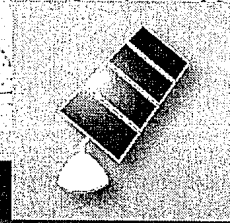


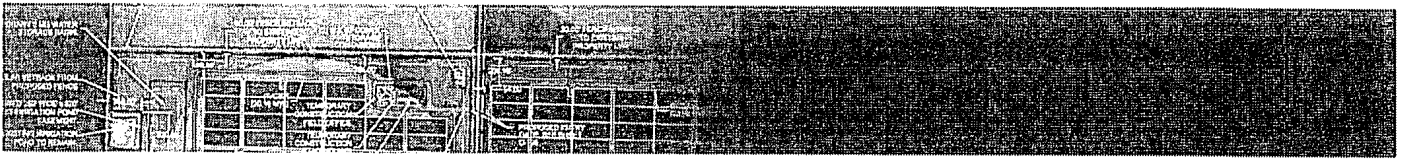
Table 1.2. Project Technical Staff Qualifications Summary

Project Name	Project Location	Project Description	Staff Name	Staff Qualifications	Staff Experience
Solar EIR for RE Old River One and RE Old River Two Projects by Recurrent Energy—Kern County, California: Visual Resource Specialist. Conducted field work for visual analysis and prepared a sensitivity matrix to determine appropriate locations for simulating post-project visual conditions to be used in the visual analysis.	RE Old River One and RE Old River Two	Visual Resource Specialist	Visual Resource Specialist	<ul style="list-style-type: none"> <li>▪ <b>Solar EIR for RE Old River One and RE Old River Two Projects by Recurrent Energy—Kern County, California:</b> Visual Resource Specialist. Conducted field work for visual analysis and prepared a sensitivity matrix to determine appropriate locations for simulating post-project visual conditions to be used in the visual analysis.</li> <li>▪ <b>Weldon Solar Project by Renewable Resources Group—Kern County, California:</b> Visual Resource Specialist. Conducted scenic quality ratings of existing site conditions and simulated project conditions for the proposed solar field. Results from the scenic quality ratings were used in the preparation of the visual analysis.</li> <li>▪ <b>Cal SP X and Cal SP XI Grant Road Solar Project NOPIS—County of Merced, California:</b> Visual Resource Specialist. Conducted and prepared an aesthetics resource analysis of the area that could be affected by the proposed solar project. The site is situated on agricultural lands. The analysis included determination of impacts from the proposed project and mitigation measures to reduce impacts and improve post-project visual aesthetics.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Program EIR, Plan Santa Barbara General Plan Update, City of Santa Barbara, California:</b> Deputy Project Manager. Program EIR evaluates the impacts of growth and development within the City of Santa Barbara through 2030. Key issues include the impacts of downtown multiple-story mixed-use development, transportation, traffic and facilitation of alternative transportation, green building and sustainable development, protection of sensitive habitats, regional jobs-housing balance issues, air quality and the effects of global climate change.</li> <li>▪ <b>Plan Santa Barbara General Plan Update Program EIR; City of Santa Barbara, California:</b> Project Manager. Program EIR evaluates the impacts of growth and development within the City of Santa Barbara through 2030. Key issues include the impacts of downtown multiple-story mixed-use development, transportation, traffic and facilitation of alternative transportation, green building and sustainable development, protection of sensitive habitats, regional jobs-housing balance issues, air quality and the effects of global climate change.</li> <li>▪ <b>Supplemental EIS for Silver State Solar South Project, BLM Las Vegas Field Office, Clark County, Nevada:</b> AMEC is preparing the SEIS to evaluate development of a 350-MW solar array in the Mojave Desert on BLM land. Key environmental resources include visual resources.</li> </ul>
Lost Hills Solar EIR by NextLight—Kern County, California: Air Quality Specialist. Prepared the Air Quality Chapter for the EIR.	Lost Hills	Air Quality Specialist	Air Quality Specialist	<ul style="list-style-type: none"> <li>▪ <b>Lost Hills Solar EIR by NextLight—Kern County, California:</b> Air Quality Specialist. Prepared the Air Quality Chapter for the EIR.</li> <li>▪ <b>Valley Solar Projects by enXco—Kern County, California:</b> Air Quality Specialist. Preparing the Air Quality Chapter for the EIR.</li> <li>▪ <b>Martocopa Sun Solar Complex Project—Kern County, California:</b> Air Quality Specialist. Preparing the Air Quality Chapter for the EIR.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Lost Hills Solar EIR by NextLight—Kern County, California:</b> Biologist. Conducted a peer review of the Biological Resources Report, and authored the Biological Resources Chapter of the EIR.</li> <li>▪ <b>Lancaster Solar Power Project—TUUSO Energy LLC, Antelope Valley, California:</b> Biologist. Conducted sensitive species, botanical and wildlife surveys for the project.</li> <li>▪ <b>Multiple Utility Scale Solar Projects (Renewable Resources Group Holding Company Weldon Solar Projects and Solar EIR for Recurrent Valley Projects)—Kern County, California:</b> Biologist. Conducted third-party peer review for the Biological Constraints Analysis Report.</li> <li>▪ <b>Tehachapi Renewable Transmission Project (TRTP) Biological Consulting Services and Regulatory Compliance—Southern California Edison, California:</b> Lead Biological Monitor, Burrowing Owl Surveys, and Jurisdictional Delineations. Biological consulting services, including leading focused surveys for a number of key species (burrowing owl, coastal California gnatcatcher, least Bell's vireo, southwestern willow flycatcher, and rare plants). Additionally, served as the Lead Biological Monitor for the construction of a 66kV transmission line. Responsibilities included overseeing monitoring staff and the team's duties in upholding the Project EIR, Biological Opinion, Streambed Alteration Agreement, and Incidental Take Permit. Also functions as a liaison for the lead construction company and client, as well as with the California Public Utilities Commission field representative.</li> </ul>
Santa Barbara Ranch—Vintage Homes, Santa Barbara County, California: Lead Delineator. Conducted jurisdictional assessment and mapping of state and federal jurisdictional resources, and assisted in focused wintering monarch butterfly surveys and native grassland studies for a proposed subdivision site within the Gavilota Coast coastal bluffs north of the City of Goleta.	Santa Barbara Ranch	Lead Delineator	Lead Delineator	<ul style="list-style-type: none"> <li>▪ <b>Santa Barbara Ranch—Vintage Homes, Santa Barbara County, California:</b> Lead Delineator. Conducted jurisdictional assessment and mapping of state and federal jurisdictional resources, and assisted in focused wintering monarch butterfly surveys and native grassland studies for a proposed subdivision site within the Gavilota Coast coastal bluffs north of the City of Goleta.</li> <li>▪ <b>TRTP Regulatory Compliance—Southern California Edison, Los Angeles, Kern, and San Bernardino Counties, California:</b> Senior Regulatory Specialist. Conducted senior review and quality control of jurisdictional delineations reports.</li> <li>▪ <b>Dos Pueblos Ranch—Vintage Homes, Santa Barbara County, California:</b> Lead Restorationist, Author: Conducted and wrote a site evaluation that covered over four miles of stream reach assessing restoration opportunities to improve southern steelhead trout passage and habitat on the Gavilota Coast coastal bluffs north of the City of Goleta.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>MA, Geography—Biogeography/Environmental Hydrology—Stream Function, University of California at Los Angeles, 2004</b></li> <li>▪ <b>BS, Environmental Science, Policy, and Management—Water Resource Management, University of California at Berkeley, 2002</b></li> <li>▪ <b>Certified Professional Wetland Scientist, Society of Wetland Scientists</b></li> <li>▪ <b>DFG Scientific Collection Permit #SC-7840 for reptiles, amphibians, aquatic/terrestrial invertebrates, with special authorizations for slivery legless lizard, Western Spadefoot toad, and Southwestern pond turtle</b></li> </ul>

<p>26</p>	<ul style="list-style-type: none"> <li>MS. Anthropology, University of Oregon, 1998</li> <li>MA, English, University of Oregon, 1990</li> <li>BA, History &amp; Geology, University of Montana, 1981</li> <li>Register of Professional Archaeologists</li> </ul>	<ul style="list-style-type: none"> <li>Valley Solar Projects by enXco—Kern County, California; Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.</li> <li>Maricopa Sun, LLC, Solar Complex—Kern County, California; Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.</li> <li>Renewable Resources Group Holding Company/Waldon Solar Project—Kern County, California; Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.</li> <li>NextLight Lost Hills Solar EIR—Kern County, California; Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.</li> </ul>
<p>4</p>	<ul style="list-style-type: none"> <li>BA, Environmental Analysis and Design, University of California, Irvine, 2005</li> </ul>	<ul style="list-style-type: none"> <li>Maricopa Sun Solar Complex—Maricopa Sun, LLC/Kern County, California; Document Author. Prepared the agricultural, land use, and public services analyses for the EIR.</li> <li>Valley Solar Project by enXco/Kern County, California; Document Author. Prepared the agricultural, hazards and hazardous materials, land use, and public services analyses for the EIR.</li> <li>Waldon Solar Project by Renewable Resources/Kern County, California; Document Author. Prepared the land use and utilities analyses for the EIR. The proposed project included a zone change, concurrent with conditional use permits to allow for the construction and operation of a 60MW PV solar facility on 500 acres. The proposed project required approval of a zone change from A-1 (Limited Agriculture) to A (Extensive Agriculture), two conditional use permits (CUPs), and grading and building permits.</li> <li>Recurrent Energy Old River One and Old River Two Project/Kern County, California; Document Author. Prepared the land use, public services, and utilities analyses for the EIR.</li> </ul>
<p>26</p>	<ul style="list-style-type: none"> <li>MS. Geology, Ohio University, 1990</li> <li>BS. Geology, Marietta College, 1984</li> <li>Registered Geologist, State of California, # 6396, 1995</li> <li>40-Hour Hazwoper Training</li> <li>8-Hour Site Supervisor Training</li> </ul>	<ul style="list-style-type: none"> <li>Kern County Solar Siting Assistance—Iberdrola Renewables, Kern County, California; Conducted a hazardous materials and geology constraints analysis for two potential projects sites.</li> <li>Lancaster Solar Updated Phase I ESA—TUUSO Energy LLC, Antelope Valley, California; Directed the completion of a Phase I ESA to support the development of agricultural land for solar power generation. Also provided recommendations on the potential of using existing groundwater wells for site use.</li> <li>Antelope PV Solar Conditional Use Permit Application Support—TUUSO Energy LLC, Antelope Valley, California; Directed a small team of experts to complete a hazards and geology constraints analysis for inclusion in the Conditional Use Permit application.</li> <li>California High Speed Train, Anaheim to Los Angeles EIR/EIS—California High Speed Rail Authority/STV Incorporated, Anaheim to Los Angeles, California; Senior Project Manager/Hazardous Materials Lead. Led a team of geologists and engineers to complete an analysis of hazardous materials for a Program EIR/EIS for the California High-Speed Train System, segment Anaheim to Los Angeles.</li> </ul>
<p>7</p>	<ul style="list-style-type: none"> <li>BS, Engineering Technology, Environmental Technology, California State University, Long Beach, 2003</li> <li>40-Hour Hazwoper Training</li> </ul>	<ul style="list-style-type: none"> <li>Lancaster Antelope 20-MW Solar Power Project—TUUSO Energy LLC, Antelope Valley, California; Analyzing environmental and historical land use information during the completion of a Phase I Environmental Site Assessment and including it in the Phase I Report. The report, among other technical studies ICF managed, provide the City of Lancaster Planning Department with sufficient technical environmental information to prepare a CEQA document.</li> <li>Municipal Bus Line Maintenance Facility—Southern California Municipality, California; Project team member providing environmental support during excavation activities for the facility's expansion project, including excavation monitoring, and stockpiled soil management, sampling, and analysis.</li> </ul>
<p>10</p>	<ul style="list-style-type: none"> <li>MS. Civil and Environmental Engineering, University of California, Davis, 2008</li> <li>BA, Environmental Studies, University of California, Santa Cruz, 2001</li> </ul>	<ul style="list-style-type: none"> <li>Champaign Avenue Solar PV Project Hydrology and Water Quality Technical Report—Iberdrola Renewables, Kern County, California; Task Manager and Peer Reviewer. Coordinated the development of a hydrology and water quality technical report for a 40-MW solar project in Kern County. The report included an environmental and regulatory setting, discussion of potential project impacts on hydrology, flooding, and water quality, and recommendations for mitigation measures. A technical drainage study was also conducted using the Rational Method in compliance with Kern County requirements, as well as HEC-HMS and HEC-RAS.</li> <li>Chaparral Solar Project Technical Studies—Iberdrola Renewables, Kern County, California; Task Manager and Peer Reviewer. Coordinated the development of a hydrology and water quality technical report for a 40-MW solar project in Kern County. The report included an environmental and regulatory setting, discussion of potential project impacts on hydrology, flooding, and water quality, and recommendations for mitigation measures. A technical drainage study was also conducted using the Rational Method in compliance with Kern County requirements, as well as HEC-HMS.</li> <li>Tierra Bonita Solar Property Technical Studies—Iberdrola Renewables, Kern County, California; Task Manager and Peer Reviewer. Coordinated the development of a hydrology technical report for a 20- to 26-MW solar project in the City of Palmdale, California. The report included an environmental and regulatory setting, discussion of potential project impacts on hydrology and flooding, and recommendations for mitigation measures, such as an infiltration basin for improved drainage. A technical drainage study was also conducted using the Rational Method in compliance with Kern County requirements, as well as HEC-HMS.</li> </ul>



Project Name	Education	Experience	Education
<p>Multiple EIRs for Utility-Scale Solar Projects (enXco Valley Solar Projects, NextLight Lost Hills Solar EIR, Renewable Resources Group Holding Company Weldon Solar Projects, Rosedale and Rentro Commercial Center EIR)—Kern County, California; Senior Technical Reviewer. Conducted peer technical reviews of the noise reports and provided QA/QC technical reviews.</p> <p>Task Manager, La Verne - Weymouth Solar Project—Metropolitan Water District of Southern California. Conducted the noise study for the Initial Study / Mitigated Negative Declaration for this project. The primary issue with respect to noise from the project was potential effects at nearby residences and other land uses from construction activities associated with the proposed project.</p> <p>Task Manager, Lake Skinner Solar Project—Metropolitan Water District of Southern California; Conducted the noise study for the Initial Study / Mitigated Negative Declaration for this project, located in Riverside County. The primary issue with respect to noise was potential effects at adjacent residences from construction activities associated with the proposed project.</p>	<p>21</p> <p>BS, Applied Mechanics, University of California, San Diego, 1985</p>	<p>Selected Project Roles: Implement, Review, Responsibility</p>	<ul style="list-style-type: none"> <li>Multiple EIRs for Utility-Scale Solar Projects (enXco Valley Solar Projects, NextLight Lost Hills Solar EIR, Renewable Resources Group Holding Company Weldon Solar Projects, Rosedale and Rentro Commercial Center EIR)—Kern County, California; Senior Technical Reviewer. Conducted peer technical reviews of the noise reports and provided QA/QC technical reviews.</li> <li>Task Manager, La Verne - Weymouth Solar Project—Metropolitan Water District of Southern California. Conducted the noise study for the Initial Study / Mitigated Negative Declaration for this project. The primary issue with respect to noise from the project was potential effects at nearby residences and other land uses from construction activities associated with the proposed project.</li> <li>Task Manager, Lake Skinner Solar Project—Metropolitan Water District of Southern California; Conducted the noise study for the Initial Study / Mitigated Negative Declaration for this project, located in Riverside County. The primary issue with respect to noise was potential effects at adjacent residences from construction activities associated with the proposed project.</li> </ul>
<p>Renewable Resources Group Holding Company Weldon Solar Project—Kern County, California; Technical Reviewer. Reviewed the noise technical report.</p> <p>Bishop Ranch GPADA Application Review—City of Goleta, California; Lead Author. Analyzed potential noise and geologic effects to and from residential or agricultural potential land uses on a property in Goleta, California. Designed a benefit analysis of each land use and compared potential impacts to and from each land use on the surrounding communities.</p> <p>Tejon Mountain Village Draft EIR—Kern County, California; Noise Specialist; Conducted noise analyses for a low-density residential community with commercial and recreational land use components. The noise analysis included noise measurements of ambient conditions, traffic noise impact analysis to estimate potential noise effects at both existing noise-sensitive land uses and proposed on-site receptors. The results of the noise studies were summarized in noise technical reports and the EIR.</p>	<p>7</p> <p>MESM, Environmental Science and Management, University of California, Santa Barbara, 2004  BA, Environmental Science, Rollins College, 1999</p>		<ul style="list-style-type: none"> <li>Renewable Resources Group Holding Company Weldon Solar Project—Kern County, California; Technical Reviewer. Reviewed the noise technical report.</li> <li>Bishop Ranch GPADA Application Review—City of Goleta, California; Lead Author. Analyzed potential noise and geologic effects to and from residential or agricultural potential land uses on a property in Goleta, California. Designed a benefit analysis of each land use and compared potential impacts to and from each land use on the surrounding communities.</li> <li>Tejon Mountain Village Draft EIR—Kern County, California; Noise Specialist; Conducted noise analyses for a low-density residential community with commercial and recreational land use components. The noise analysis included noise measurements of ambient conditions, traffic noise impact analysis to estimate potential noise effects at both existing noise-sensitive land uses and proposed on-site receptors. The results of the noise studies were summarized in noise technical reports and the EIR.</li> </ul>
<p>MS, Civil and Environmental Engineering, University of Wisconsin, Madison, 2001  BS, Civil Engineering, National Taiwan University, Taipei, Taiwan, 1998  PE, Civil Engineering, State of Washington, 2006, # 42787  PE, Civil Engineering, State of Oregon, 2010, # 84130</p>	<p>10</p>		<ul style="list-style-type: none"> <li>Bishop Ranch GPADA Application Review—City of Goleta, California; Transportation Engineer. Evaluated the existing and future traffic conditions as a result of land use changes at the Bishop Ranch Property. The analysis included review of General Plan and traffic studies in project vicinity, identification of the existing and future roadway capacity and demand, and discussion of constraints and opportunities associated with transportation and circulation.</li> <li>Goleta General Plan EIR—City of Goleta, California; Transportation Engineer. Reviewed the transportation report prepared for the project and supported the preparation of the Transportation Chapter of the CEQA EIR.</li> <li>Hollister 115KV Power Line Reconductoring Project Proponents Environmental Assessment (PEA)—PG&amp;E, California; Transportation Engineer/Planner. Prepared the transportation, air quality, and noise sections of the PEA. Conducted all necessary analysis to complete evaluation of construction and operation impacts and mitigation of the project on traffic circulation, construction equipment noise, and air pollutant emissions.</li> </ul>
<p>MS, Electrical Engineering, University of Wisconsin, Madison, 2005  BS, Electrical Engineering, University of Madras, India, 2003</p>	<p>8</p>		<ul style="list-style-type: none"> <li>WECC Regional Transmission Expansion Planning; Transmission Expert for the ICF team selected by WECC to provide technical support to the Scenario Planning Steering Group (SPSG). Involved in the due diligence of the per unit transmission cost estimates used by WECC in its planning processes.</li> <li>Strategic Transmission and Distribution Investments Study—Large U.S. Electric and Gas Utility; Performed detailed power-flow analysis and distribution system analysis to assess transmission and distribution investment needs over a range of future scenarios.</li> <li>Curtailed Risk Assessment for Wind Facilities; Performed a high level assessment of key transmission-related risks to wind generation and assessed their impact on existing and new wind facilities.</li> </ul>
<p>BA, Anthropology (certificate in Ethnomusicology), University of California, Irvine, 2005  BA, Philosophy, University of California, Irvine, 2005  Certificate in GIS, San Diego Mesa College, 2006</p>	<p>8</p>		<ul style="list-style-type: none"> <li>TRTP Regulatory Compliance—Southern California Edison, Los Angeles and Kern Counties; California; GIS Analyst. Provided GIS support on data organization/management, mapping and analysis for technical reports. Created, organized, and maintained data using a Geodatabase. Global positioning systems (GPS) download/data interpretation, aerial photo interpretation, georeferencing and topology techniques in ArcGIS were used. Analysis and impact calculation data models were set up using Model Builder in ArcGIS. Map series for the technical reports were generated using both ArcGIS and Illustrator.</li> <li>TRTP Biological Consulting—Southern California Edison, Los Angeles and Kern Counties; California; GIS Analyst. Provided GIS support on mapping and analysis for technical reports. Created, organized, and maintained data using a Geodatabase. GPS download/data interpretation, aerial photo interpretation, georeferencing and topology techniques in ArcGIS were used. Map series for the technical reports were generated using both ArcGIS and Illustrator.</li> <li>OceanWay Secure Energy Project EIS/EIR for Woodside Natural Gas Deepwater Port—AMEC, Los Angeles County, California; GIS Analyst. Provided GIS mapping and figure creation for the environmental resource technical studies for aesthetics, cultural resources, socioeconomics, land use and recreation, and noise reports. Created, organized and maintained data using a Geodatabase, generated map series using both ArcGIS and Illustrator.</li> </ul>



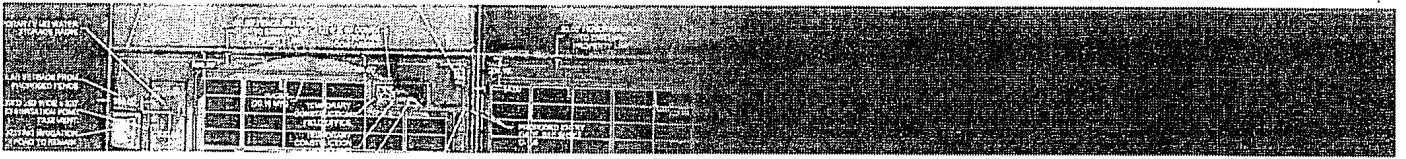
## Estimated Hours

Table 4 provides a summary of the estimated hours and a percentage of total hours for each member of the ICF team to complete the scope of work outlined in the “Study Methodology” section below. The estimated hours and percentage of total hours is based on the cost estimate provided under a separate cover.

Table 4. ICF Team Estimated Hours

	Estimated Hours	Percentage of Total Hours (Approximate)
Chad Beckstrom, AICP	180	10.8%
Steve Basselman	276	16.6%
Charles Smith, AICP	9	0.5%
Rita Bright	275	16.5%
Tanya Jones	234	14.0%
Jennifer Stock, LA	48	2.91%
Ron Hunter, REA (Ingen)	30	1.8%
Russell Swart	40	2.4%
Richard Brady, PWS	10	0.6%
Mark Robinson, RPA	40	2.4%
Gary Clasterain, PG	8	0.5%
Michelle Barzani	34	2.0%
Alex LaPlante	48	2.9%
Mike Greene, INCE Bro. Cont	12	0.7%
Peter Garcia	28	1.7%
Richard Pugh, PE	36	2.2%
Brian Kumaraswamy	32	1.9%
Sreya Sumanek	48	2.9%
Edwin	179	10.8%
Publications Specialist	77	4.6%
Administrative Technicians	20	1.2%





The project management hours included for Chad Beckstrom and Steve Esselman include reviewing First Solar's technical studies, coordination with technical and production staff, authoring portions of EIR sections, and QA/QC review of all EIR sections. In addition to reviewing the technical section, Steve Esselman will be authoring portions of the Land use and Planning, Agricultural Resources, and Alternatives Sections. Additionally, the majority of the document coordination, production, revisions and responses to comments will be authored by Chad, Steve, and Tanya Jones, with support from technical staff as needed. This helps to maintain QA/QC and consistency.

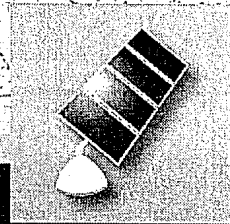
Tanya Jones is an environmental planner and has been assigned a large number of hours to help research and draft several of the EIR sections. She will compile information from the technical studies prepared by First Solar's consultants, and will work with our senior technical specialists and project management team to write portions of the EIR. She will also work closely with our project management team to help address comments from the County, and revise the non-technical sections of the environmental document. She is currently assigned to work on the following sections of the EIR:

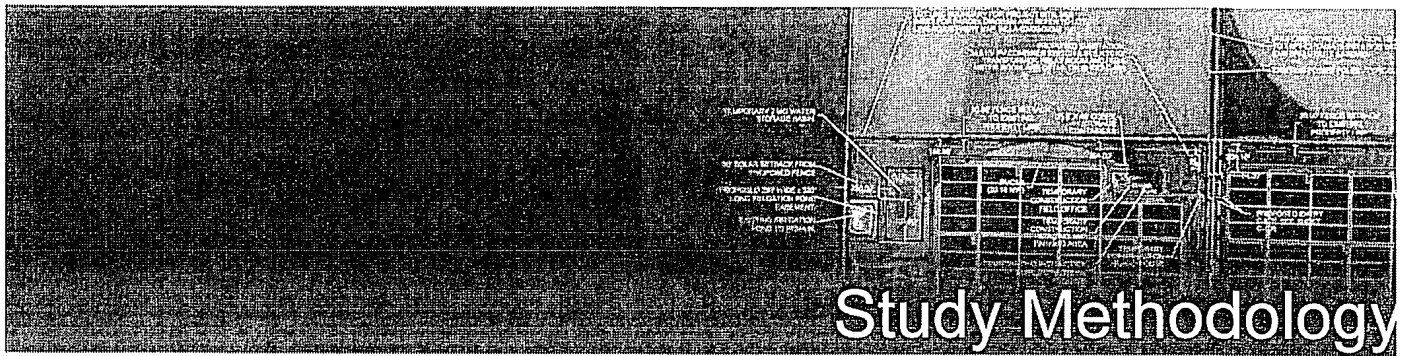
- Project Description and Environmental Setting
- Executive Summary
- Introduction
- Agriculture Resources
- Energy
- Land use and Planning
- Public Services and Utilities
- Alternative Analysis
- Consequences of Project Implementation

AMEC has been allocated 417 hours (of which 275 are for Rita Bright) to prepare the Agricultural Resource and Land Use Sections of the EIR through the Final EIR, attendance at committee meetings, supporting ICF in the preparation of the LUDC Amendment and Alternatives Analysis, and as optional tasks to prepare ordinance amendments and project findings.



# Study Methodology

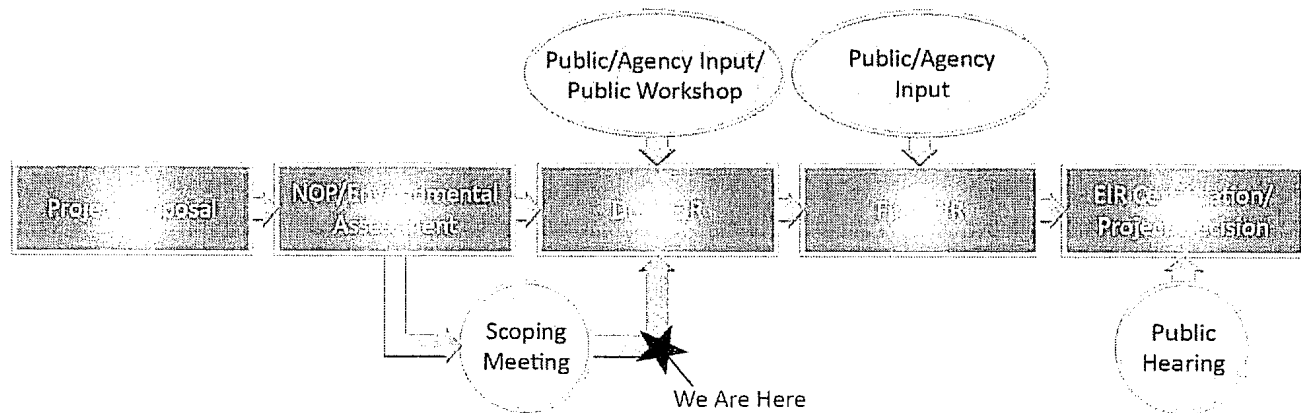




## Approach

With a long history of providing CEQA consulting services to municipal planning agencies, ICF understands the importance of having experienced and reliable staff on hand to be responsive to the County's needs. ICF proposes to work in collaboration with and as an extension of County staff throughout the preparation and processing of the EIR (Figure 2).

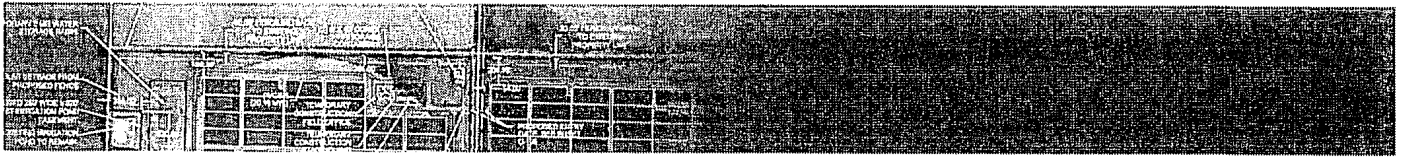
Figure 2. Key Steps of the EIR Process for the Cuyama Solar Array Project



Our team brings the applied knowledge of CEQA and the breadth of expertise to help the County weigh the appropriate determinations in the environmental document. ICF's objective is to communicate analytical findings in a clear, concise, and easily understood document that meets County standards, and is prepared in accordance with the County's CEQA Guidelines and Thresholds. Our documents are written with the mindset that the reader may include detail-oriented interest groups, political representatives, and the general public. We pride ourselves on our ability to present potential environmental impacts in clear, high-quality environmental documents.

ICF will prepare a legally defensible and objective EIR pursuant to the State CEQA Guidelines, the Santa Barbara County CEQA Guidelines, and the County's Environmental Thresholds Guidelines and Manual. Our technical specialists have thoroughly reviewed the technical reports prepared by URS, RBF, and First Solar's other consultants, and will work with the County to address the need to supplement the analysis, if necessary. Based on our review of the existing available technical studies, it appears that the majority of the studies is complete, adequate, and addresses the issues in sufficient detail. Additional studies are being prepared to address some of the comments received during





scoping. Since the majority of the work has already been completed or will be provided, ICF will incorporate the key results of the technical studies, and will append the studies to the EIR to streamline the analysis. The project-level environmental analysis will address construction and operational impacts in accordance with the County's Class I through Class IV impact categories, and will include impacts of the generation tie-lines.

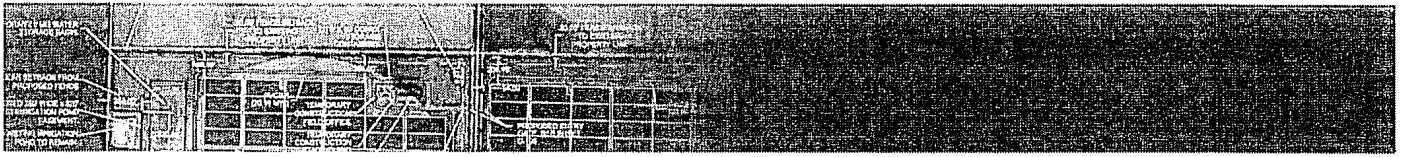
ICF understands that the LUDC Amendment portion of the project is an important aspect of the overall project that will need to be covered in the EIR. ICF will provide a programmatic analysis of the proposed LUDC Amendment to address impacts associated with allowing for utility-scale solar projects in the AG-II Zone in the Inland Area of the County. We will include a detailed description of the LUDC Amendment in the Project Description, and devote a portion of each Chapter of the technical analysis to addressing the impacts of the LUDC Amendment programmatically. The programmatic analysis will be conducted qualitatively and will address the possible types of impacts that could occur on AG-II Zoned lands. The scope will include:

- an analysis of the Applicant's proposed language for the large utility-scale solar ordinance,
- identification of any recommendations to the amendment,
- identification of alternatives to the proposed ordinance,
- a general discussion of impacts of the proposed ordinance and alternatives (including the types of impacts that could typically result from large utility-scale projects), and
- a cumulative analysis of the proposed ordinance and future projects that could occur as a result.

ICF has teamed with AMEC, who will assist in the preparation and analysis of the LUDC Amendment, including alternatives analyses. We will work with the County to identify recommendations for general development standards to be included in the ordinance, such as additional environmental studies that may be required within individual CEQA documents on a case-by-case basis for future projects, and possible constraints for the location of future projects.

The programmatic impacts will be incorporated into each EIR technical chapter as a separate analysis, so that separate determinations and findings can be made for the LUDC Amendment and the proposed Cuyama Solar Array Project. Under each impact description, we will address the impacts of the solar array project at a project-level detail and the impacts of the LUDC Amendment at a programmatic level under separate headings. For example, to address Agriculture impacts, the project-specific analysis will apply the detailed site specific factors and criteria to determining whether a significant impact would occur for the Agricultural Thresholds (i.e., parcel size, soil classification, water availability, agricultural suitability, etc.). The analysis for the LUDC Amendment would not be able to provide this level of detail for all possibly lands within the County where the Ordinance could allow utility-scale solar projects, and would therefore be more qualitative, identifying the types of





possible impacts that could occur, and set forth requirements for site-specific studies and other possible mitigation that may be applied to each future project. We will reference how the development standards identified during the preparation of the LUDC Amendment may also help to “self-mitigate” the potential impacts associated with other possible projects that fall under the Ordinance. The alternatives analysis will include alternatives for both the proposed project and alternatives to the LUDC Amendment.

While this EIR will not provide clearance for future utility-scale solar projects, and each project will require a separate CEQA document, this EIR will enable the County to approve the LUDC Amendment with an adequate level of CEQA compliance.

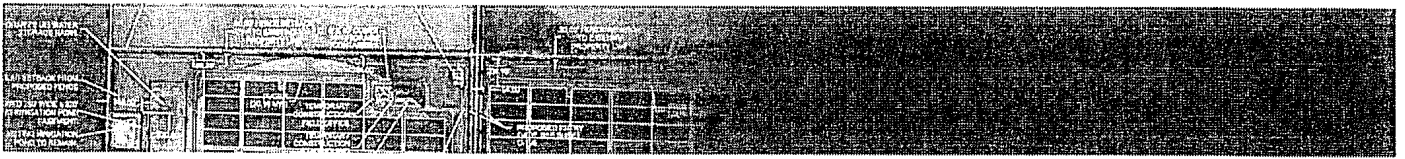
Chad Beckstrom, AICP, ICF’s designated project manager, will provide his full attention to this project, and the coordination between Chad and Kathy Pfeifer of the County’s Energy Division will allow for efficient decision-making through the project’s key milestones. Any potential problems will be communicated as soon as they are discovered because oftentimes resolution of problems during the course of project development can alleviate much larger difficulties later on. Review cycles will be conducted until such time as the County is pleased with the products being produced. Document preparation schedules, delivery of interim and final products, and key steps in the public comment and subsequent document finalization stages will be identified and thoroughly discussed.

ICF assigns senior-level task leaders to review technical reports, prepare EIR sections, oversee, and/or QA/QC all technical disciplines, which gives us the ability to maintain a high level of quality and logistical efficiency in our work efforts. Technical reviews will be performed by senior task leaders and Chad Beckstrom as the Project Manager, as well as in-house environmental counsel, as necessary, prior to delivering our work products to the County.

Chad is adept at public speaking and has supported many of his clients through difficult public interactions. He will be available to accompany County staff to and help facilitate all project-related meetings, workshops, and public hearings. We will also bring in our key technical experts as necessary to provide support or testify at public workshops and hearings.

ICF’s graphic capabilities are comprehensive, and demonstrate use of a combination of graphic design professionals and GIS staff to produce maps, figures, and graphics that present messages we need to convey. All deliverables will be compatible with Microsoft Word 2007, and will be produced double-sided on recycled paper and spiral bound. All electronic submittals will be divided into chapters and file sizes that can be easily published on the Planning & Development Department’s website as Adobe PDF documents.





## *Proposed Workplan*

### **Task 1. Notice to Proceed/Kick-off Meeting**

To facilitate future working relationships and establish review procedures, ICF and AMEC will meet with County staff to establish assumptions and parameters for the process and documentation. At this time, we will confirm the schedule, delivery and review processes, contact guidelines, and other topics. ICF will meet with the County as needed throughout the process, either in person, by web conferencing, or by teleconference, as requested.

Deliverable/Action:

- Attendance at Kick-off Meeting.

### **Task 2. Project Description, Environmental Setting, and Description of Alternatives**

ICF and AMEC will perform an initial review of existing available documents, such as engineered site plans, past technical studies, the County's Comprehensive Plan, Williamson Act Uniform Rules, LUDC, Rural Regions and Agricultural Preserve maps, project initiation staff reports, public and agency comments, and other relevant documents. Using information provided by First Solar, the County, and from our existing sources, ICF will prepare a draft project description for the County's review and approval. This will include a description of the environmental setting, which will be accompanied by appropriate maps and graphics. We will work with the County to refine the project objectives if necessary, which will help to ensure that the range of alternatives is adequate and help eliminate any alternatives that do not meet project objectives. ICF will work with AMEC and the County to draft alternatives for consideration to be analyzed in the EIR (additional alternatives may be developed following the impact analysis which will attempt to avoid, reduce, or minimize significant impacts). We will submit the draft project description, environmental setting, and alternatives within one week following the kick-off meeting.

Deliverables/Actions:

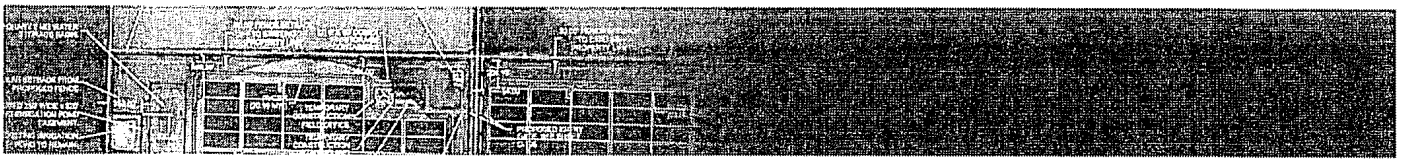
- Draft Project Description, Environmental Setting, and Description of Project Alternatives – one reproducible unbound copy, six bound copies, and six electronic copies on compact disks (CD).
- Site visit to the project site.

### **Task 3. Administrative Draft EIR and Technical Studies**

ICF will begin this task by assigning our technical specialists to conduct thorough reviews of the studies submitted by First Solar. We will review the technical studies for their accuracy, completeness, adequacy for use in the draft EIR, and legal defensibility (including adequacy of referenced







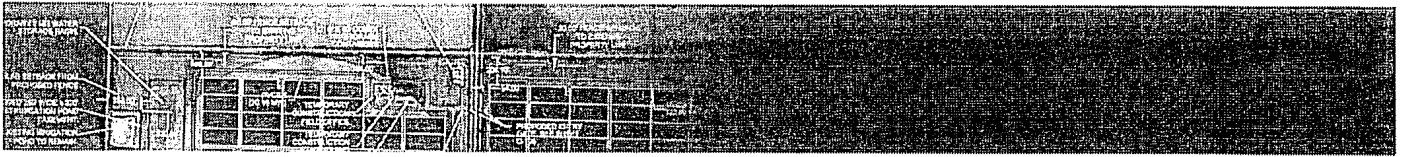
documents). During preliminary reviews of the technical studies prepared by RBF and URS, most of the studies appear to be well written and contain the necessary information to prepare the EIR analysis. However, should we have any critiques, comments, or further recommendations, we will consult with and advise the County early in the process to minimize delays to the schedule. We will provide written documentation of our peer review comments at the County's request.

ICF will prepare an administrative draft EIR in accordance with CEQA Guidelines and latest court decisions, the Santa Barbara County CEQA Guidelines, and the County's Environmental Thresholds and Guidelines Manual. For topics without technical studies provided by the Applicant, we will provide the necessary qualitative analysis, including consideration of any issues raised during scoping. ICF analyses that do not require a technical report will be based on existing information provided by First Solar and the County, existing information found in County planning documents (such as the General Plan), in-house data and documentation, and professional judgment. The programmatic analysis of the LUDC Amendment will be provided at a high level, rather than a detailed siting study, and will be largely qualitative, extrapolating from existing studies.

The EIR will focus on the potentially significant environmental impacts identified based on the conclusions of the project's Environmental Assessment, as well as input during scoping. These will include the environmental issues that have technical studies, as well as additional areas to be supplemented by ICF research and analysis. While these issues are subject to change, we anticipate that the EIR will include the following sections:

- Aesthetics/Visual Resources;
- Agricultural Resources;
- Air Quality/Greenhouse Gas Emissions;
- Biological Resources;
- Cultural Resources;
- Energy;
- Hazards and Hazardous Materials (including Fire Protection);
- Land Use/Planning;
- Noise;
- Public Services/Utilities;
- Transportation/Circulation; and
- Water Resources/Flooding.





The impacts that are determined to have “no impact” or “less than significant impacts” will be summarized in the Introduction Chapter of the EIR, along with a brief description to substantiate why impacts were determined to be less than significant. These impacts will not be analyzed further in the EIR, unless the County specifically wants to see certain items included. Some of the “potentially significant” impacts identified in the Environmental Assessment, and/or those that arise during the scoping process, may ultimately be determined to be less than significant during the preparation of the EIR analysis. Nevertheless, these issues will be accompanied by a more robust analysis in the EIR, and will be summarized at the end of the EIR in a section entitled, “Impacts Determined to be Less Than Significant.”

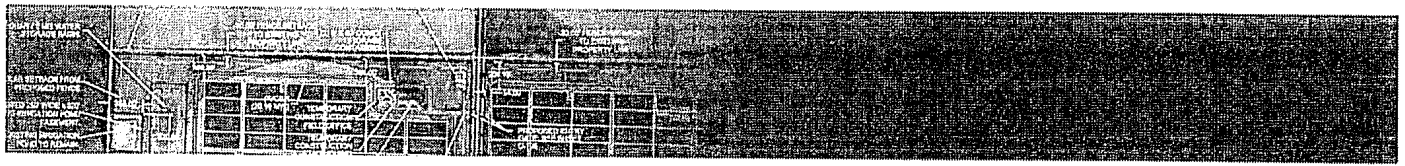
Special attention will be given to Agricultural Resources and Land Use issues. ICF has teamed with AMEC to assist in the preparation of the EIR, and to provide expertise related to agricultural conversion and land use issues.

Project impacts upon agricultural resources and consistency with the County’s Uniform Rules and State Williamson Act are the foremost issues of this EIR. The Applicant-prepared Environmental Assessment and Agricultural Suitability Report (Sage Associates, Nov 2009), determined that the project would result in potentially significant and unmitigable impacts to agricultural resources, given the conversion of prime lands to a non-agricultural use upon Williamson Act contracted land, and upon land designated on the most recent State Important Farmlands Map, as land that is of state and local importance.

AMEC will address potential impacts to agricultural resources as follows:

- Build upon the existing technical studies and information, including the Agricultural Suitability Report to describe the existing setting, agricultural productivity, and suitability of the project site and surrounding agricultural lands, and other pending projects and program databases. The Williamson Act addresses preservation concerns of both the contracted site and surrounding contracted agricultural lands when agricultural lands are converted to non-agricultural uses.
- Describe the existing local and state regulatory framework with regard to Agricultural Resources, with particular attention to the State’s Land Conservation Act of 1965, also referred to as the Williamson Act, County of Santa Barbara’s Comprehensive Plan, including the Agricultural Element, and the County’s Uniform Rules, implementing regulations of the Williamson Act. AMEC will expand the typical regulatory framework discussion for this issue, providing a discussion of pending and passed legislation, court cases, and precedents for cancellation. AMEC will view a thorough analysis of this matter, including identification of potential pathways to potential findings of consistency with the Williamson Act and Uniform Rules as the central issue for the County to address if the project is to be considered for approval.



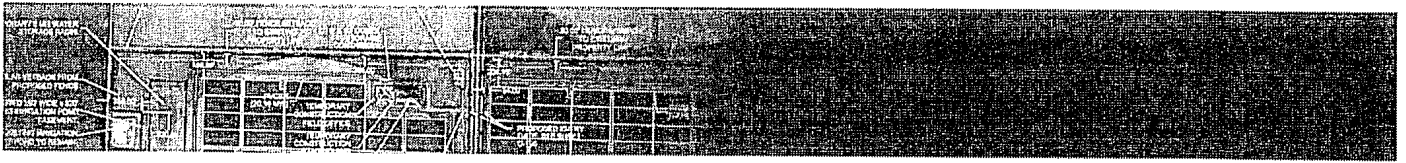


- Identify both project-level impacts relating to the conversion of agricultural contract land, and program-level impacts of future potential conversions of agricultural lands to large-scale commercial solar energy projects upon non-coastal County lands within the AG-II zone district.
- Provide project-specific and more generalized program-level cumulative impact analyses for both the project site and the Ordinance Amendment (OA). AMEC will identify areas of the County's rural lands with A-II zoning that could be potentially affected by the OA, quantify potentially affected acreage and general agricultural quality (e.g., farmland of statewide importance). While much of the County's best farm and ranch land is under contract and is zoned as Agricultural Commercial (AC), substantial areas of AG-II land remain. AMEC will ensure that the EIR clearly describes both the amount of land potentially affected by the OA and its quality.
- Identify mitigation measures to reduce impacts associated with the agricultural conversion of the site upon surrounding agricultural uses, consistent with the County's Right-to-Farm Ordinance. Such measure may include increased buffers between the site and surrounding agricultural operations, particularly with nearby operations that may use pesticide spraying, coordination of haul routes and defined schedules during the project's construction period with local agriculturalists (e.g., to avoid conflicts with haul trucks and farm vehicles on the rural road network), and other operational concerns to reduce land use incompatibilities. However, no mitigation would appear to be available to mitigate conversion of contract agricultural land to a less than significant level. For programmatic OA impacts, AMEC will identify minor changes or adjustments in the proposed OA language that may partially address potential impacts.
- Identify similar, but general mitigation measures, drafted to be easily formatted into zoning text and included in the proposed OA to reduce impacts to agricultural resources.

During the NOP process, public comments from residents included community character concerns associated with the project. To address potential Land Use Impacts, AMEC will:

- Review existing Comprehensive Plan Elements, their policies, and other land use regulations potentially applicable to the proposed project (i.e., airport land use regulations associated with the New Cuyama Airport and design standards that may apply to the proposed transmission lines).
- Identify potential growth-inducing effects, patterns of potential growth associated with the partial cancellation of the Williamson Act contract, development of a commercial-scale energy facility, and development of the generation-tie lines along the proposed transmission route.





- Assess project consistency with land use policies and regulations, and identify potential project-specific impacts associated with the proposed Cuyama Solar Array project.
- Qualitatively identify program-level land use compatibility impacts associated with the siting of large-scale commercial solar energy projects upon non-coastal County lands within the AG-II zone district.
- Provide project-specific and more generalized program-level cumulative impact analyses for both the project site and the OA.
- Identify potential mitigation measures based on analysis in Agricultural Resources, Aesthetic/Visual Resources, Hazards, Public Services, and other resource sections.

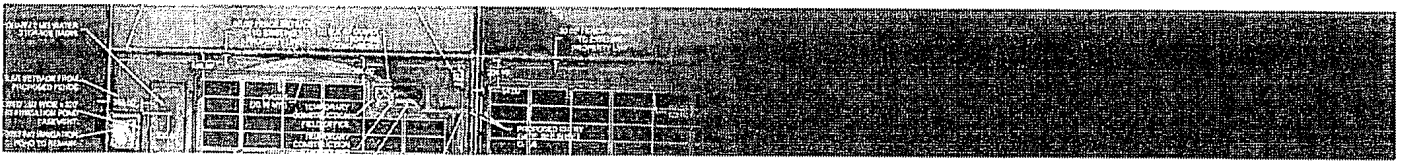
AMEC will also assess project consistency with Land Use and Agricultural Elements and all applicable County Plans and Policies, with specific focus upon project consistency with the Williamson Act and County Uniform Rules. AMEC will:

- Clearly describe relevant provisions of the Williamson Act and Uniform Rules, and how they interrelate.
- Describe the role and authority of the DOC, APAC, and AAC.
- Identify past precedents, regulations, and legislation as they pertain to the cancellation of Williamson Act contracted lands.
- Build upon the Agricultural Resource analysis to identify potential permit pathways to permit consideration of project approval (e.g., use of replacement contracts), including potential sites available to wholly or partially offset loss of contracted land. We will also integrate such analysis with the alternatives section.
- Assess project consistency with land use policies and regulations, and identify potential impacts associated with both the OA and the proposed Cuyama Solar Array project.

In addition to this factual analysis within the EIR, AMEC will coordinate with ICF to map an approach to working with APAC, AAC, and DOC on this sensitive issue. This may include early outreach and coordination with key stakeholders, inquiries of other jurisdictions that have addressed this issue and early conference calls with DOC to identify and address potential concerns.

Due to comments raised during the NOP public comment period for the project regarding grid capacity at the Cuyama Substation, possible capacity issues with subsequent projects, and the potential for local impacts to power availability and delivery, ICF proposes the following scope of work, and will include the technical memoranda in the appendix to the EIR:



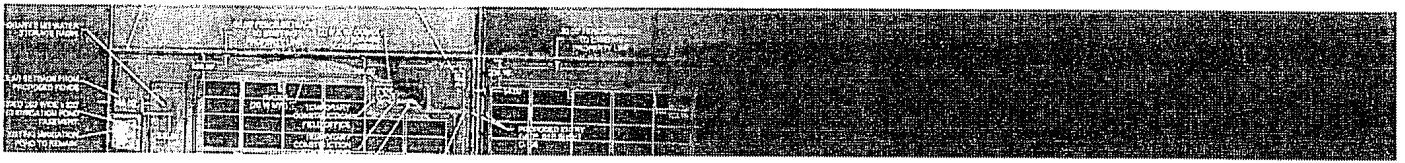


- **Review of PG&E and California Independent Systems Operator (CAISO) Generation Interconnection Queue and Due Diligence on Available Capacity for Transmission Interconnection.** ICF will perform a qualitative review of the CAISO and PG&E current generation interconnection queue to identify the ability of the First Solar generation project to interconnect at the Cuyama Substation. Specifically, as part of this exercise, ICF will review all publicly available system impact studies, cluster studies, and facility studies of the First Solar project to understand the feasibility and level of transmission upgrades required for interconnection. ICF will also look at proposed transmission upgrades in the area to assess potential impacts to transmission capacity at the Cuyama Substation.
- **Bulk Power System Reliability Impact Assessment.** Electric system brown-outs are caused due to sag or drop in voltage in the electric power supply. Voltage drops are typically associated with faults on the power system, load switching, long transmission lines that cause voltage drops, and quality of electric generation supply. In order to assess the reliability impact of the proposed First Solar generation facility, ICF will qualitatively review the factors that lead to electrical brown-outs, determine which factors are likely to affect power supply reliability in the Cuyama area, and determine the ability of the generation injection to mitigate these factors. In particular, ICF will provide a review of the impact of local capacity injection on serving local load in the Cuyama area. ICF's qualified electrical engineers will estimate if the impact of the 40-MW injection at the Cuyama Substation will reduce the possibility of brown-outs for load in the Cuyama area.

Cumulative impact analysis will be an especially important component of the EIR, due to the multiple renewable energy projects that are occurring in the southern San Joaquin Valley to the east, and other projects in Santa Barbara County that have a potential to contribute to cumulative effects. ICF will work closely with the County to identify the appropriate recent, ongoing, and planned projects to be included in the cumulative projects list. Additionally, the potential cumulative effects of the LUDC Amendment will be addressed for potential cumulative impacts throughout the Inland Areas of the County.

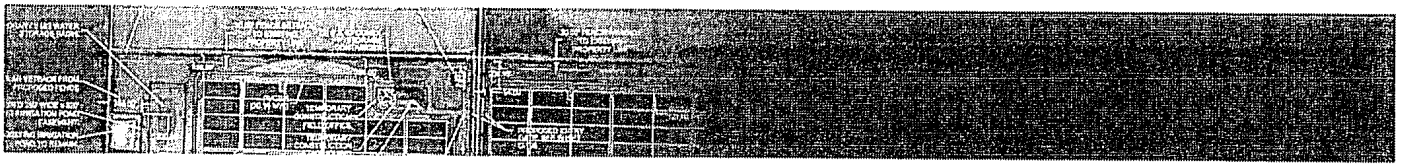
The alternatives analysis will focus on alternatives developed in Task 2, along with any additional alternatives that come out of the scoping process, and that result in significant impacts during the environmental impact analysis. Alternatives will also be identified for the proposed LUDC Amendment language, and will be addressed accordingly. AMEC will assist ICF to craft alternatives for the proposed project, building upon, past studies and our extensive and specialized experience with agricultural resource issues involving the Williamson Act. AMEC's role in the alternatives analysis will focus on various approaches to agricultural conversion of Williamson Act contracted land. The analysis of alternatives will qualitatively evaluate the impacts in comparison with the impacts associated with the proposed project. A matrix format will be included to provide a reader-friendly comparison of the alternatives. Key issues addressed will include:





- **Alternatives Considered and Discarded.** ICF and AMEC will identify alternatives considered and discarded, by building upon the Applicant’s initial siting study, expanding environmental policy and power grid connectivity issues where needed, to support the alternatives that were considered and discarded. These may include the typical reduced project alternative unless it could be shown to substantially reduce project impacts and remain a feasible alternative. ICF and AMEC will clearly identify the technical feasibility and regulatory or permit issues for such alternatives to provide a complete record to support the alternatives that are analyzed in the EIR and provide an appropriately detailed discussion of those that are discarded from further review.
- **No Project.** ICF and AMEC will describe the impacts and potential benefits of no development of the Cuyama Solar Array project, including the generation-tie distribution infrastructure and the Applicant-initiated zoning ordinance amendments. This analysis will describe potential benefits such as avoidance of agricultural land conversion and cancellation of a Williamson Act contract, and related land use impacts.
- **Alternative Sites.** As with any project with potential for unavoidable and significant impacts due to site-specific constraints, alternative site analysis will be critical to ensure the preparation of a legally defensible EIR. ICF and AMEC will identify alternative sites that could be considered by the County to preserve the project Applicant’s development goal, while maintaining decision-maker flexibility and providing options for consideration as the project proceeds through the process. Because of potential state and local statutory concerns, these alternatives will focus upon identification of alternative sites zoned AG-II that are not under Williamson Act contracts, or alternative sites zone AG-II that would involve partial cancellation of non-prime contracted lands and could comply with recently passed state law (Senate Bill 618). Under certain terms, this law allows for rescission of Williamson Act contracts and requires simultaneous entrance into a Solar Use Easement for a minimum of 20 years for non-prime contracted lands, when the land will be used for solar PV energy generation. An additional project alternative can also identify nearby agricultural lands of similar agricultural productivity, size, and proximate location that could simultaneously enter into a Williamson Act contract or Farmland Security Zone contract with the partial cancellation of the Redland Ranch. This may be the most feasibly considered with other lands held under the same ownership as the Redland Ranch; given the landowner has approximately 14,000 acres of other agricultural holdings near the site and in the surrounding region.
- **Alternative Program.** EIR mitigation measures to reduce resource impacts from both project components can be translated into development criteria and/or standards (defined and formatted for ease of inclusion into proposed zoning text) and can also form the basis of an OA alternative within the LUDC AG-II zone district. Such standards may address resource concerns, including but not limited to those associated with scenic corridors, critical habitat





areas, cultural resources issues, and land use compatibility concerns with active agricultural operations of contracted and non-contracted lands. ICF and AMEC will develop alternatives that would be broadly applicable to different areas of the County with AG-II zoning rather than addressing development standards for specific regions.

We will provide an administrative draft EIR to the County, based on the delivery method established in the project kick-off. ICF will revise the document as necessary based on agency comments. We will submit the administrative draft EIR within eight to ten weeks after the County authorizes work to proceed on the contract.

#### Deliverables/Actions:

- Peer Reviews for Applicant's Technical Studies (assumes one review) – ICF has reviewed the technical studies, which appear to be adequate and anticipate that findings can be incorporated into the EIR without substantial revisions.
- Administrative Draft EIR (two rounds of review) – one reproducible unbound copy, six bound copies, and six electronic copies on CD with the files divided into chapters.

#### Task 4. Draft EIR and Technical Appendices

ICF will produce and distribute a fully edited and compiled draft EIR per County requirements. ICF will prepare notices (notice of completion [NOC] and notice of availability [NOA]) to accompany distribution of the EIR. We will distribute the copies, along with required notices, per distribution lists provided by the County. ICF will submit the draft EIR and Technical Appendices within three weeks after receipt of the County's final comments on the administrative draft EIR.

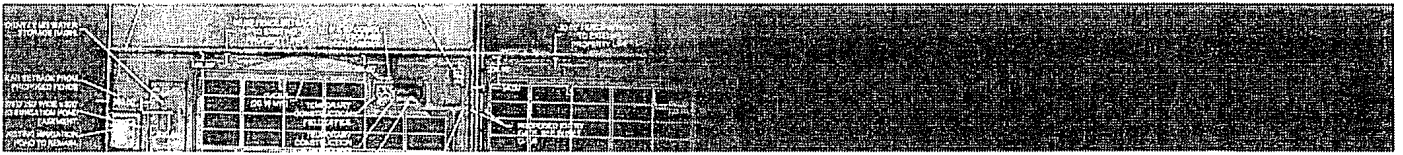
#### Deliverables/Actions:

- Draft EIR and Technical Appendices – one reproducible unbound copy, 30 bound copies, 30 electronic copies on CD, and two electronic copies on CD with the files divided into chapters of the administrative draft EIR.
- NOC and State Clearinghouse Transmittal.
- NOA.
- Draft Media Notices.

#### Task 5. Written Summary of Comments at the Public Hearing on the Draft EIR

ICF will attend a public hearing to solicit comments on the draft EIR. We will support the County as necessary at this meeting, including facilitating public comments if desired. Following the public hearing, ICF will compile all comments received.





#### Deliverables/Actions:

- Summary of Public Comments – one reproducible unbound copy, six bound copies, and six electronic copies on CD.

#### Task 6. Response to Comments on the Draft EIR

Following the public comment period, ICF will compile and annotate all comments received, including those received during the public hearing. We will work with AMEC and the County to strategize responses to comments, and will prepare draft responses for County review. ICF and AMEC will revise the responses to comments based on County review. While it is not possible to foresee how many comments will be received and the level of effort required in responding to comments, we have budgeted 68 hours for preparing responses. Should an overwhelming number of comments be received, or should the magnitude of comments require additional analysis or work efforts, we will work with the County to negotiate an appropriate amendment to our scope and budget. ICF will submit a written summary within 15 working days after the close of the public comment period.

#### Deliverables/Actions:

- Response to Comments – one reproducible unbound copy, six bound copies, and six electronic copies on CD.

#### Task 7. Prepare Administrative Final EIR

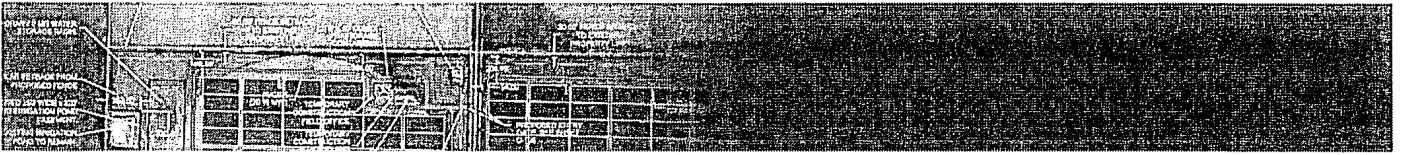
Following the County's review of the Responses to Comments, ICF and AMEC will revise the responses and incorporate them into the administrative final EIR. The administrative final EIR will also include an Errata to reflect modifications to the draft EIR resulting from public comments. While not included in the Request for Proposals (RFP), ICF assumes that this task will also include preparation of a mitigation monitoring and reporting program (MMRP). The MMRP will provide the necessary details in order for the County and/or First Solar to comply with each mitigation measure, the timeframe for mitigation implementation, and the responsible parties to effectuate each measure. We will submit the administrative final EIR, Errata, and MMRP within one to two weeks following the County's review of the Responses to Comments.

#### Deliverables/Actions:

- Administrative Final EIR (including Response to Comments, Errata, and Mitigation Monitoring Plan) – one reproducible unbound copy, six bound copies, and six electronic copies on CD.







## Task 8. Prepare Draft Final EIR

Following the County's review of the administrative final EIR, we will prepare and finalize the draft final EIR and distribute as required to each commenting agency/organization/ individual and County departments.

Deliverables/Actions:

- Draft Final EIR – one reproducible unbound copy, 30 bound copies, 30 electronic copies on CD, and two electronic copies on CD with the files divided into chapters of the draft final EIR.

## Task 9. Prepare Ordinance Amendments, Legislative Findings, and CEQA Findings (Optional)

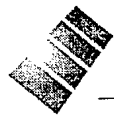
As an optional task, AMEC will prepare the OA and Legislative Findings for the Amendment, and ICF will prepare the CEQA Findings of Fact and Statement of Overriding Considerations. The preparation of the Legislative Amendments and Findings will include:

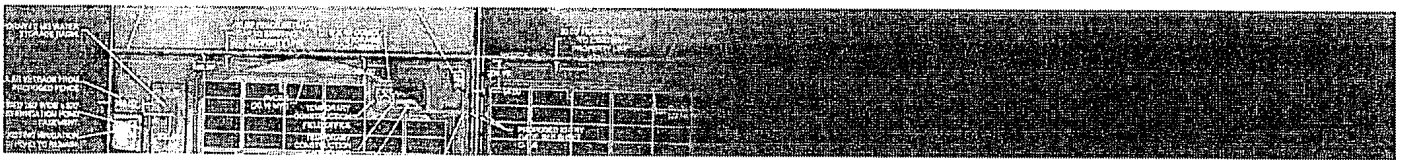
- County Planning Commission recommendation resolution;
- Board of Supervisors adoption resolution;
- Resolution to address the Williamson Act Agricultural Preserve Contract partial cancellation;
- OA for text changes to the LUDC;
- OA for the proposed rezone; and
- Required discretionary findings (OA, Rezone, Lot Line Adjustment, and Conditional Use Permit).

Rita Bright of AMEC brings previous County experience, including extensive drafting, editing, and publishing of resolutions, ordinances amendments, and findings. As a past Secretary to the County Planning Commission, she understands the County adoption procedures and is able to provide revisions reflective of County actions both prior to, and during hearing deliberations. She understands the need for clear, logical, and thorough administrative records that accurately reflect the sound basis and legal defensibility of County actions.

Deliverables/Actions:

- Draft CEQA Findings of Fact and Statement of Overriding Considerations;
- Administrative draft set of amendments and findings, conforming to County templates;
- Three sets of revisions to the amendments and findings for County review as listed below:





- Within five working days of receipt of County comments to the administrative draft amendments and findings,
- Within five working days after the final Planning Commission hearing, and
- Within five working days after the final Board of Supervisors adoption hearing.

### Task 10. Prepare Final EIR

Following a discretionary decision on the project, ICF will incorporate any changes to the draft final EIR as a result of decision maker action and provide the County with the final EIR for the County's use and archiving efforts. While not identified in the RFP, ICF can help the County by drafting the Notice of Determination (NOD), and filing the NOD with the County, including payment of the appropriate DFG Filing Fee. Should this be desired, additional time and budget would be negotiated to cover labor and expenses.

#### Deliverables/Actions:

- Final EIR – one reproducible unbound copy, 10 bound copies, 10 electronic copies on CD, and two electronic copies on CD with the files divided into chapters of the final EIR.

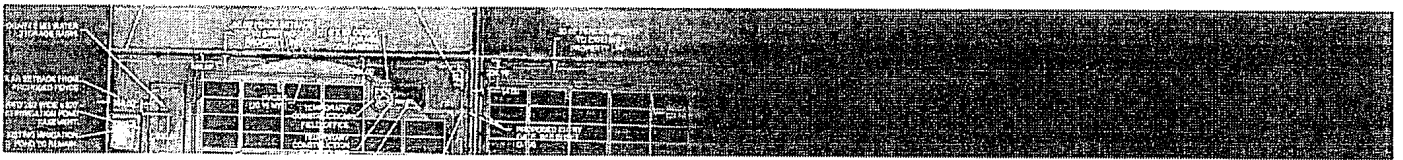
### Task 11. Attend Project-Related Meetings, Public Workshops, and Public Hearings

ICF and AMEC will be available throughout the project to support County staff at project coordination meetings, public workshops, and public hearings. Appropriate ICF project management and technical staff will attend public hearings, as requested by the County, providing presentation materials and addressing comments and questions as necessary. For scoping purposes, we assume 10 staff meetings, one workshop, and up to four hearings as part of this scope of work. In order to be responsive and cognizant of costs, we have proposed to attend five staff meetings in-person, and five via conference call. We have found that conference calls have been effective at addressing issues on other projects, and have been able to adequately serve the County from our office in Irvine. Rita Bright will be available to attend up to 10 meetings or and/or hearings in-person due to AMEC's proximity to the County offices. We also have web-based technological tools, such as Live Meeting, that can facilitate coordination of meetings. Should in-person attendance be desired at all 10 meetings, ICF will be willing to accommodate.

#### Deliverables/Actions:

- 10 Staff Meetings – assumes five in-person meetings attended by two staff members, and five conference calls.
- Meeting Notes – compiled following each staff meeting.
- One Public Workshop – assumes attendance by two staff members.

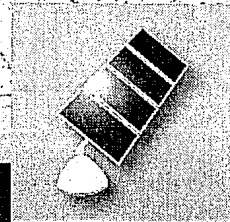


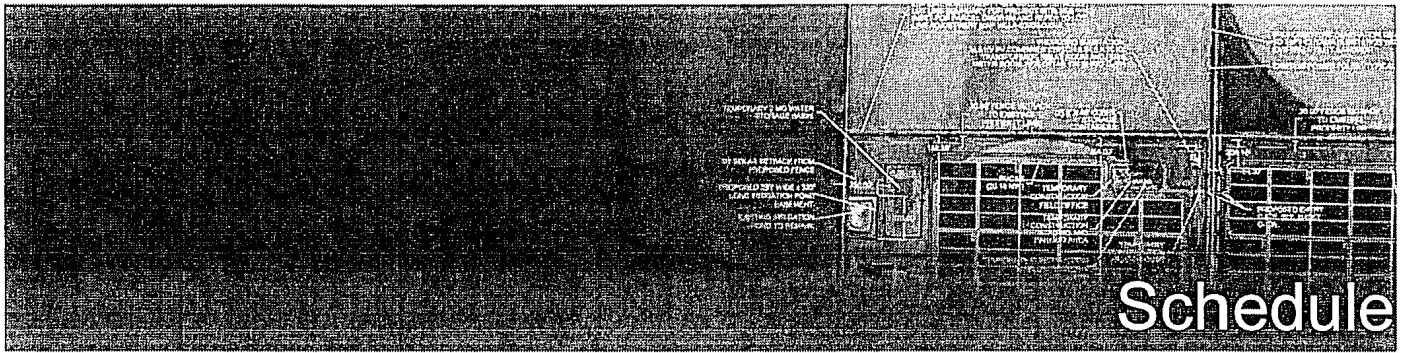


- Two Planning Commission Hearings – assumes attendance by two staff members.
- Two Board of Supervisor Hearings – assumes attendance by two staff members.
- Additional Fees for Meetings – will be billed according to labor rates for individuals per the attached cost spreadsheet. We estimate approximately \$500 per staff member, per meeting, while AMEC will bill \$155 per hour.



# Schedule

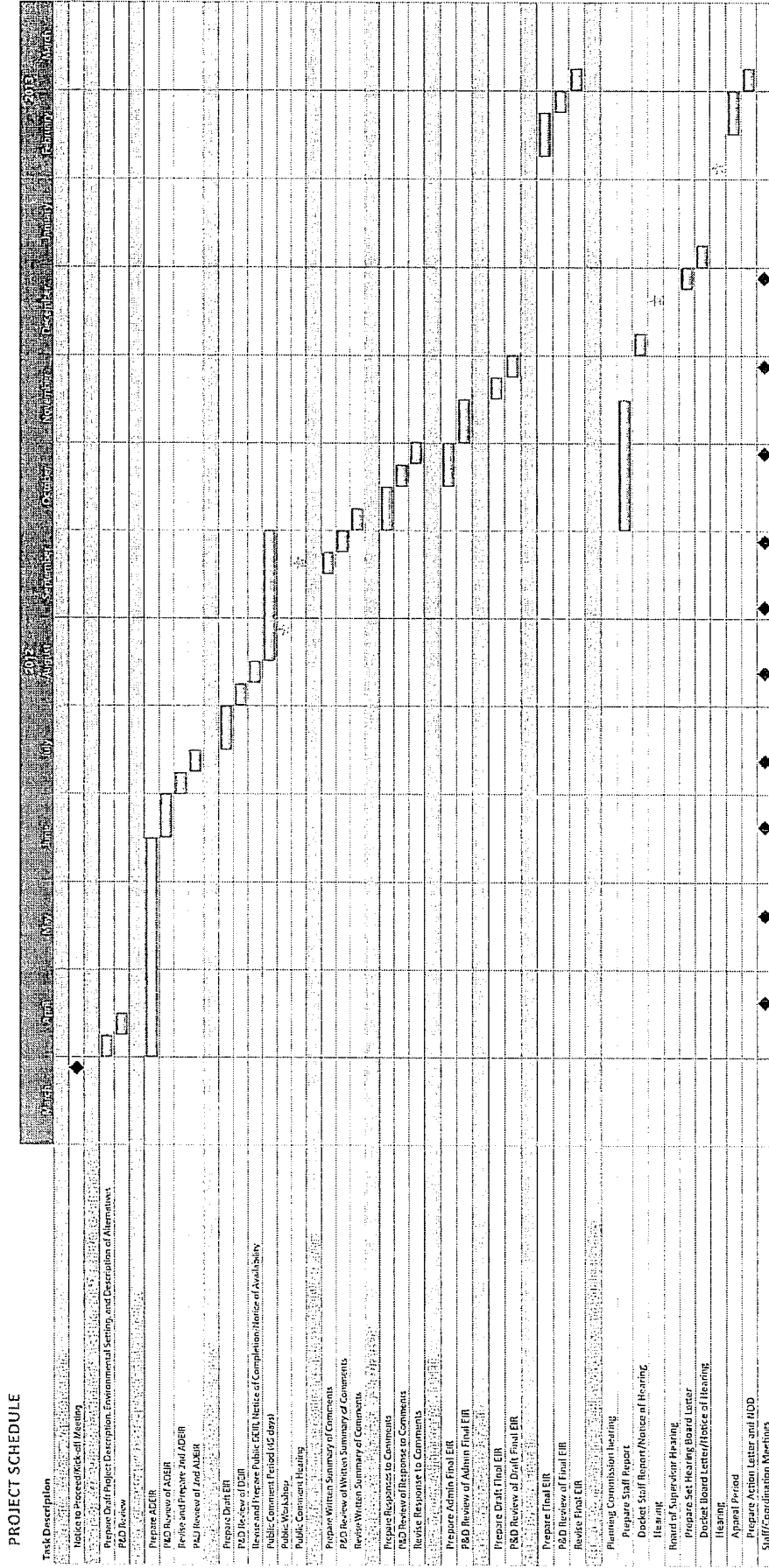




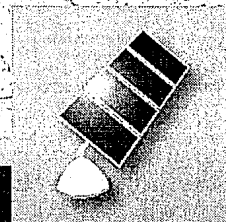
Through our conversations with the County, it is our understanding that all tasks outlined above in the “Study Methodology” section must be completed by the end of February 2013. While this is an extremely aggressive deadline, the ICF team has the capacity and commitment to meeting this deadline. This will require that all technical studies prepared by the Applicant for the project are provided to ICF by the kick-off meeting and are deemed sufficient for the CEQA analysis. The graphic below shows our proposed schedule for completion of the EIR. Please note that the schedule contained in the RFP mistakenly indicated a 30-day public review for the Draft EIR. A minimum of 45 days is required under CEQA, and reflected in our schedule (Figure 3).

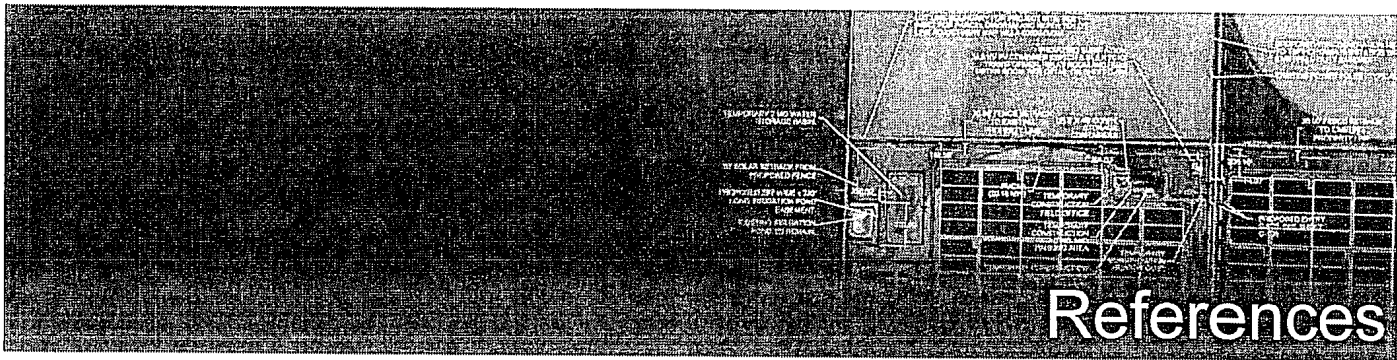


Figure 3 Project Schedule



# References





ICF believes past performance is an excellent indication of future performance. We encourage the County and First Solar to contact the references in Table 5 to learn more about our performance on related projects. We have listed several contacts that we have worked with on multiple EIRs for utility-scale solar projects in Kern County. Jaymie Brauer, Planner with Kern County is our primary contact for these projects. Lorelei Oviatt and Craig Murphy, also with Kern County can also attest to our performance on these projects.

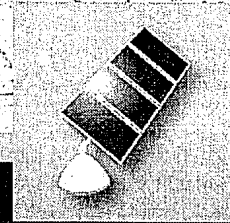
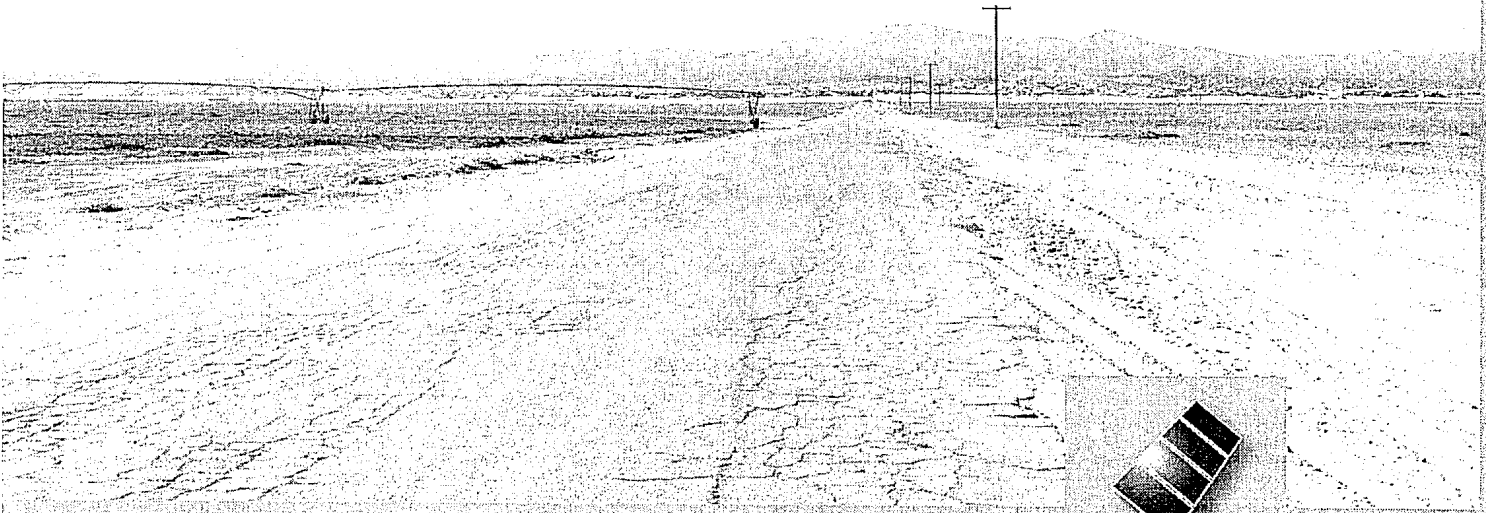
Table 5. Client References

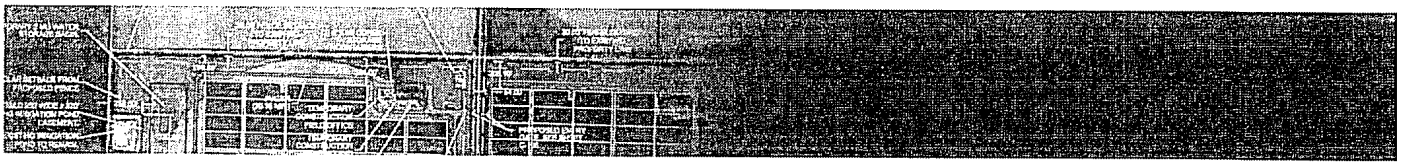
	References
<p>Lorelei Oviatt, AICP Planning Director</p>	<p>Kern County, Planning and Community Development Department 2700 "M" Street, Suite 100 Bakersfield, California 93301 Phone: (661) 862-8866 E-mail: loreleio@co.kern.ca.us</p>
<p>Jaymie Brauer Planner</p>	<p>Kern County, Planning and Community Development Department 2700 "M" Street, Suite 100 Bakersfield, California 93301 Phone: (661) 862-8629 E-mail: brauerj@co.kern.ca.us</p>
<p>Craig Murphy District Chief</p>	<p>Kern County, Planning and Community Development Department 2700 "M" Street, Suite 100 Bakersfield, California 93301 Phone: (661) 862-8739 E-mail: MurphyC@co.kern.ca.us</p>
<p>Awale Awells Advanced Planning Manager</p>	<p>City of Goleta 130 Cremona Drive, Suite B Goleta, California 93117 Phone: (805) 961-7500 E-mail: awells@cityofgoleta.org</p>





# Appendix





# CHAD BECKSTROM, AICP

## Proposed Role: Project Manager

Chad Beckstrom is a seasoned principal consultant with over 15 years of experience directing and preparing multidisciplinary environmental documents for a wide range of projects. He provides his clients with expert professional advice related to compliance with the CEQA and NEPA, and is no stranger to complex and controversial projects. Chad’s project portfolio has included renewable energy, transportation, ports and coastal development, large-scale master planning, urban and rural residential, commercial, and industrial development and redevelopment institutional and school campus facility projects for government agencies, special districts, and private applicants. He maintains a solid understanding of how the full range of environmental laws and regulatory requirements are integrated into the CEQA/NEPA review processes, including the CWA, Clean Air Act (CAA), California Fish and Game Code, NHPA, and others. Chad also frequently teaches courses on CEQA and NEPA environmental review processes.

### Project Experience

EIRs for Multiple Utility-Scale Solar Development Projects— County of Kern, California

Served as Program Manager. Overseeing the preparation of multiple EIRs for various solar development projects throughout Kern County. As client manager, coordinating multiple project teams, and performing QA/QC review of all environmental documentation from the ICF team. Some of the projects include:

- **Lost Hills Solar Project—County of Kern.** Served as Project Director/Program Manager. Provided oversight in the management and preparation of an EIR for a 32.5-megawatt utility-scale solar photovoltaic project on 307 acres in Kern County.
- **Maricopa Sun Solar Complex—County of Kern.** Served as Project Director/Program Manager. Provided oversight in the management and preparation of an EIR for 1,045 megawatts of utility-scale solar photovoltaic facilities on 9,027 acres of non-contiguous property in Kern County. The EIR included a programmatic component for the

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### Years of Experience

- Professional start date: 08/1996
  - ICF start date: 08/1996
- 

### Education

- MURP, Urban and Regional Planning, California State Polytechnic University, Pomona, 2001
  - BA, Environmental Analysis and Design, University of California, Irvine, 1996
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### Professional Memberships

- American Planning Association
  - Association of Environmental Professionals
  - Harbor Association of Industry and Commerce
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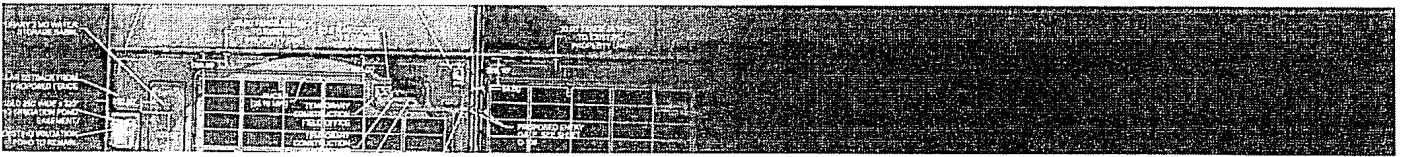
### Certification

- American Institute of Certified Planners, 2001
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### Training/Lecture

- Introduction to CEQA – UC Irvine Extension
  - CEQA Primer – UC Irvine Extension
  - NEPA: A Step-by-Step Approach – UC Riverside Extension
  - Spring Advanced CEQA Workshop – Association of Environmental Professionals
  - Guest Course Lectures – California State University, Fullerton
- 





full 9,027 acres, and a project-level detail analysis for 700 MW on 6,046 acres.

- **enXco Valley Solar Project—County of Kern.** Served as Project Director/Program Manager. Provided oversight in the management and preparation of an EIR for 48 megawatts of utility-scale solar photovoltaic facilities on four separate sites, totaling 441 acres in Kern County. The EIR addressed the impacts separately for each site, where applicable.
- **Recurrent Energy Old River One and Old River Two Solar Project—County of Kern.** Served as Project Manager/Program Manager. Managed the preparation of an EIR for a 25-megawatt utility-scale solar photovoltaic project on two contiguous sites totaling 234 acres in southwest Kern County.
- **Mojave Solar Project by FRV Mojave Solar, LP—County of Kern.** Served as Project Director/Program Manager. Providing oversight in the management and preparation of an EIR for a 20-megawatt utility-scale solar photovoltaic project on 174 acres in eastern Kern County.
- **FRV Valley Solar Project (Regulus, Adobe, Rigel)—County of Kern.** Served as Project Director/Program Manager. Providing oversight in the management and preparation of an EIR for 115 megawatts of utility-scale solar photovoltaic facilities on three separate noncontiguous sites, totaling 1,063 acres in Kern County. The EIR addressed the impacts separately for each site, where applicable.
- **Weldon Solar Project—County of Kern.** Project Director/Program Manager. Provided oversight in the management and preparation of an EIR for a 60-megawatt utility-scale solar photovoltaic project on 500 acres in northwest Kern County.

#### *San Pedro Waterfront Project EIR/EIS—Corps/Port of Los Angeles, California*

Served as Project Director/Project Manager for joint EIR/EIS involving redevelopment of over 240 acres of land and water along an 8-mile stretch of waterfront property at the Port of Los Angeles. The project comprises new harbor cuts and dredging, visitor-serving commercial development, expansion of the cruise ship industry, open space and pedestrian promenades, and major modifications to the transportation system, including realignment and improvements to Harbor Boulevard to create a continuous “grand boulevard”, extension of the Red Car light rail trolley system, and creation of multiple surface and structured parking facilities. Chad is managing a large team of in-house experts and consultants in the preparation of the environmental analysis, as well as intensive public involvement and outreach components.

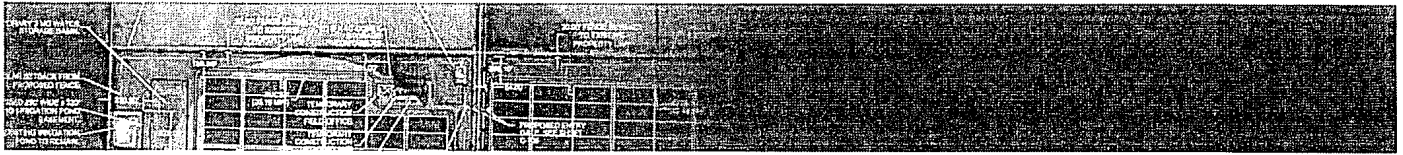
### Select Environmental Training and Lecturing

Beckstrom, Chad. Introduction to CEQA. CEQA Primer. UC Irvine Extension. Irvine, California. 2006 - 2009.

Beckstrom, Chad. NEPA: A Step-by-Step Approach 2-Day. UC Riverside Extension. Riverside, CA. 2009 – 2010.

Beckstrom, Chad. Spring CEQA Advanced Workshop. Association of Environmental Professionals. Riverside, CA. 2009.





# STEVE ESSELMAN

## Proposed Role: Deputy Project Manager

Steve Esselman has over eight years of experience with California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance, and manages environmental documentation efforts for public agencies and private interests. He prepares documentation on a variety environmental issue areas (e.g., agricultural resources, biology, geology and soils, hazards and hazardous waste, hydrology and water quality, land use and planning, mineral resources, population and housing, public services, recreation, and utilities and service systems) and performs qualitative and quantitative analysis in support of such documentation. He also advocates on behalf of his clients to ensure the best possible outcome for their projects, including public outreach and interaction with public agencies. His areas of specialty include Central Valley issues, renewable energy, residential and commercial development, water and wastewater treatment and conveyance, and water quality permitting.

### Project Experience

#### *TRV Valley Solar Project EIR—Kern County, California*

Project Manager. ICF International has been retained by Kern County to prepare an EIR for the possible development of three photovoltaic solar power electrical generation sites on the valley floor in Kern County near the cities of Lamont and Arvin. Collectively, the three sites consist of 1,063 total acres and would generate 115 megawatts of energy. Key issues include aesthetics, agricultural land conversion, air quality, and biological resources.

#### *Pre-filing Support For Kern County Solar Projects—TUUSO Energy, LLC, Kern County, California*

Project Manager. ICF International was retained by TUUSO Energy, LLC to provide pre-filing support for proposed utility-scale solar facilities in northeastern Kern County in anticipation of filing applications with Kern County for the possible entitlement of the projects. The support consisted of constraints analyses to determine if there were any environmental or regulatory “fatal flaws” that would inhibit the entitlement of the projects. After performing the analyses, it was determined that numerous amendments to the Kern County Circulation Element would be required, possible adverse impacts to desert tortoise could occur, and opposition by nearby residences would be highly likely for the projects. After reviewing the results of the analyses, the applicant decided not to file the applications with Kern County.

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### Years of Experience

- Professional start date: 08/2003
- ICF start date: 04/2007

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### Education

- MA, Geography, University of California, Los Angeles, 2001
- BA, Geography, University of California, Los Angeles, 1997

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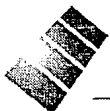
### Professional Memberships

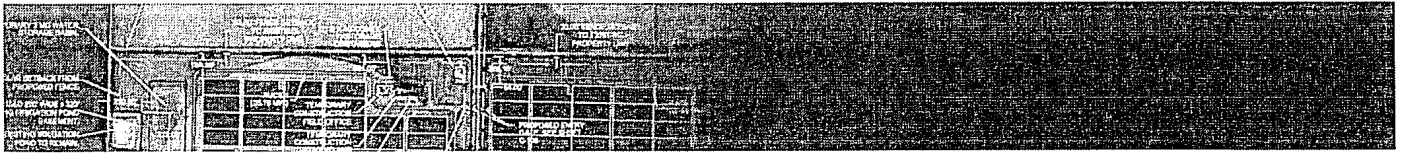
- American Planning Association
- Association of American Geographers
- Association of California Water Agencies
- California Special Districts Association

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### Training

- Wetland Delineation Certification
  - CEQA Compliance
  - NEPA Compliance
  - Waters of the U.S. and State
  - Current Issues in Storm Water Regulation
- 





#### San Joaquin Valley Solar Projects EIR--San Joaquin, Kern County, California

Project Manager. ICF International has been retained by Kern County to prepare an EIR for the development of four photovoltaic solar power electrical generation sites on the valley floor in Kern County near the cities of Wasco, Taft, and Arvin, and near the community of Lost Hills. Collectively, the four sites consist of 441 total acres and would generate 48 megawatts of energy. Key issues include aesthetics, agricultural land conversion, air quality, and biological resources.

#### Rosemead Solar Project Pre-Filing Support--Sempra Global, Kern County, California

Technical Analyst. Prepared the IS Checklist to Kern County standards in support of Sempra Global, LLC's application filing. The project is a proposed 960-acre photovoltaic (PV) electrical generation facility with an approximately two-mile long generator tie line. Key issues included aesthetics, hydrology and water quality, and growth inducement.

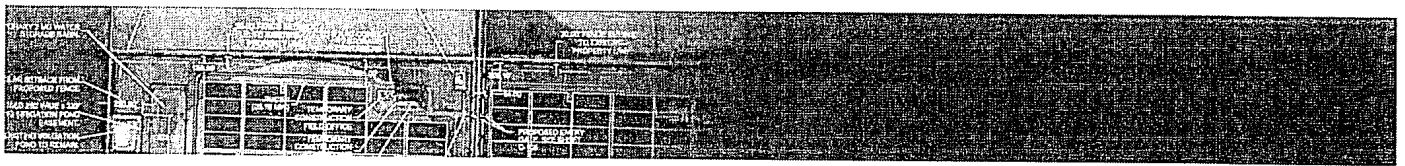
#### Northwest Communities EIR--Kern County, California

Deputy Project Manager. Assisted the project manager in managing the document effort. Prepared the findings of fact, statement of overriding considerations, and mitigation monitoring and reporting program (MMRP) for a large residential development in the northwestern Bakersfield area in unincorporated Kern County. Provided technical analyses and revisions for several sections of the EIR. The project provides approximately 750 single-family residences. Key issues included conversion of agricultural farmland, significant air quality and traffic impacts, population and housing impacts, and minerals and aesthetics. The EIR was challenged, but was successfully defended in court.

#### Fresno Merger No. 1 Redevelopment Plan Amendments Project Subsequent EIR--City of Fresno, California

Project Manager. Managed the preparation of a programmatic-level subsequent EIR to a 1998 EIR that proposes amendments to nine redevelopment plan areas within the Redevelopment Agency of the City of Fresno's Merger No. 1 project area. The project would allow the agency to continue its mission of eliminating blight in the project area in accordance with California redevelopment law. Key issues included historic resources, archaeological resources, water supply, groundwater, noise, and utilities.





# CHARLES SMITH, AICP

Proposed Role: Project Director

Charles Smith is ICF’s Operations Leader for the Southern California/Mountain West Region. He is also a vice president and project director with the firm. Charles has over 20 years of diverse experience in professional services consulting for the environmental industry. Charles has managed numerous reports including EIRs, EISs, technical studies, and general plans. He has experience in CEQA/NEPA compliance, permitting, and entitlements processing with federal, state, regional, and local agencies. Charles maintains professional certification in the American Institute of Certified Planners (AICP).

## Project Experience

### Goleta General Plan/Coastal Land Use Plan EIR and Supplemental EIR—City of Goleta, California

Served as EIR Project Manager for the City of Goleta’s first General Plan/Coastal Land Use Plan (GP/CLUP), as well as a Supplemental EIR for revisions to the GP/CLUP. Managed the preparation of the draft and final EIRs, including issuance of the NOP, development of the project and alternatives descriptions, setting and impact analyses for all applicable environmental disciplines, and development of mitigation measures to reduce potentially significant impacts. Also guided ICF’s public hearing support to the Planning Agency and City Council, and led the team’s responses to over 950 comments on the draft EIR within a compressed timeframe. The General Plan and EIR were adopted in October 2006. Subsequently managed the preparation of a Supplemental EIR to address the potential environmental impacts associated with revisions to the GP/CLUP. Activities included a comparative analysis of various General Plan text revisions, as well as extensive public meeting support. The Supplemental EIR was adopted in 2009.

### Bishop Ranch Property Study—City of Goleta, California

Served as Project Director for the Bishop Ranch Property Study. The study evaluated the potential implications of developing a 240-acre property, and provided a body of information to guide the preparation of a staff report and assist the City Council in their decision regarding initiation of a General Plan Amendment. Led the ICF team in conducting preliminary research and evaluation of environmental resources to close technical data and information gaps about the property and to identify public policy issues and conflicts that required further evaluation. Assisted the City in identifying scoping activities associated with a public planning process, including community outreach, permit sequencing, and associated costs.

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### Years of Experience

- Professional start date: 08/1990
- ICF start date: 04/2004

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### Education

- MPI, Urban and Regional Planning, University of Southern California, 1990
- BS, Business Administration, University of Southern California, 1984

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### Professional Memberships

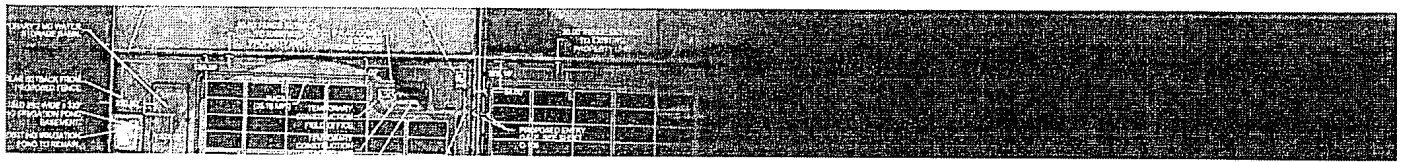
- American Planning Association
- Orange County Business Council

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### Certification

- American Institute of Certified Planners, No. 011766
- 





# JENNIFER STOCK, LA

## Proposed Role: Aesthetics/Visual

Jennifer Stock is experienced in all facets of project coordination for habitat restoration, trail, and park recreation projects, including budget tracking and stakeholder involvement. She brings expertise in vernal pool, tidal wetland, riparian corridor, and habitat restoration/mitigation planning and design. Jennifer has prepared visual resources and shade/shadow analyses for Proponents Environmental Assessments (PEAs), Environmental Assessments (EAs), Initial Studies (ISs), Environmental Impact Statements (EISs), and Environmental Impact Reports (EIRs), as well as construction documents using Autodesk Civil 3D.

*Solar EIR for RE Old River One and RE Old River Two Projects by Recurrent Energy—Kern County, California*

Visual Resource Specialist. Conducted field work for visual analysis and prepared a sensitivity matrix to determine appropriate locations for simulating post-project visual conditions to be used in the visual analysis.

*Million Solar Project by Renewable Resources Group—Kern County, California*

Visual Resource Specialist. Conducted scenic quality ratings of existing site conditions and simulated project conditions for the proposed solar field. Results from the scenic quality ratings were used in the preparation of the visual analysis.

*Cal SPX and Cal SPX 2 Grand Road Solar Project NUPIS—County of Merced, California*

Visual Resource Specialist. Conducted and prepared and aesthetics resource analysis of the area that could be affected by the proposed solar project. The site is situated on agricultural lands. The analysis included determination of impacts from the proposed project and mitigation measures to reduce impacts and improve post-project visual aesthetics.

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### Years of Experience

- Professional start date: 12/1999
  - ICF start date: 12/1999
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### Education

- BLA, Landscape Architecture, Pennsylvania State University, University Park, 1999
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### Professional Memberships

- American Society of Landscape Architects
  - California Native Plant Society, Sacramento Valley Chapter President
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### Certifications

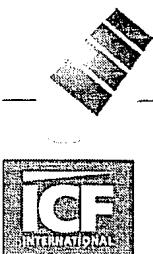
- CLARB Certified, #5949
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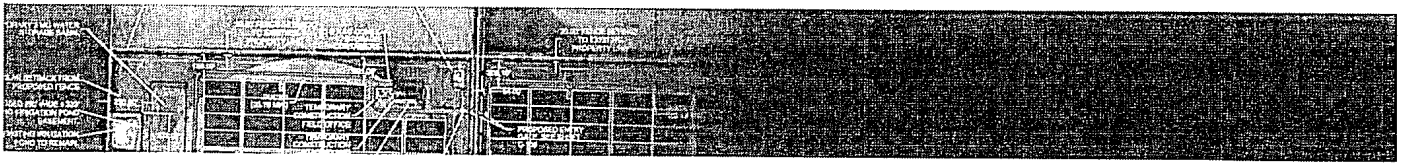
### Licenses

- California Licensed Landscape Architect, #5155
  - Oregon Licensed Landscape Architect, #608
  - Utah Licensed Landscape Architect, #6293357-5301
  - Washington Licensed Landscape Architect, #1030
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### Special Training

- Bureau of Land Management, Visual Resource Management
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# RITA BRIGHT

## Proposed Role: Agriculture Conversion, Land Use

Rita Bright has over 25 years of public agency and private consultant experience, including unique and extensive experience with agricultural and rural land issues, from an environmental, planning policy, ordinance development, CEQA and Subdivision Map Act (SMA) perspective. Rita managed the preparation of over 20 program and project EIRs and hundreds of environmental documents. Rita has also prepared and administered CEQA trainings for county staff and was extensively involved in revisions to the County CEQA review procedures. Beyond CEQA, Rita’s specializations include implementation of ordinance and other legislative amendments; agricultural resource analysis; rural-urban interface, neighborhood compatibility, and visual resources issues; and policy analysis involving the California Subdivision Map Act, Coastal Act, and Planning and Zoning Laws, as well as the federal Coastal Zone Management Act. Rita was the Program Manager of the Agricultural Element Update and Implementation Program, and supervised the planning and environmental processes for agricultural viability and preservations studies. Rita also served on the County Agricultural Preserve Advisory Committee (APAC) tasked to ensure that County development proposals involving Agricultural Preserve contracted lands complied with the Williamson Act. Rita also managed the Substandard Size Lots Ordinance that analyzed development potential and related impacts, and amended zoning and subdivision regulations to address primarily rural lands. Her extensive work in agriculture resulted in developing strong working relationships with the State Department of Conservation, the Vintner’s and Cattlemen’s Association and Farm Bureau.

### Years of Experience

- Professional start date: December/1981
- ICF start date: 10/2002

### Education

- BA, Business Economics and Environmental Studies, University of California, Santa Barbara
- Post-Graduate Studies, City Planning and Public Administration, San Diego State University

### Specialized Training

- Bureau of Land Management (BLM) Visual Resource Management training and field practicum assessing large-scale renewable energy projects on rangelands

### Supplemental EIS for Silver State Solar South Project –BLM Las Vegas Field Office, Clark County, Nevada

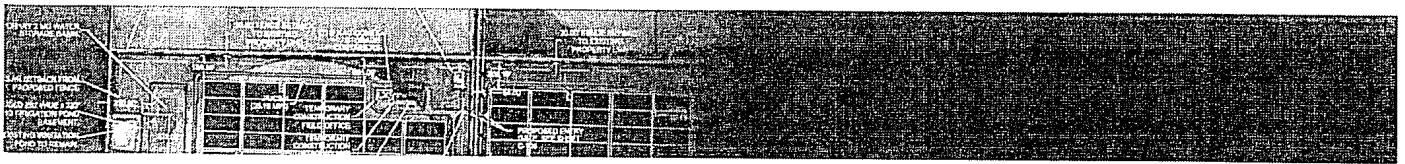
AMEC is preparing the SEIS to evaluate development of a 350-MW solar array in the Mojave Desert on BLM land. Key environmental resources include visual resources, for which updated simulations from newly determined KOPs have been prepared and analyzed using BLM’s VRM procedures. Accompanying the preparation of the supplemental EIS is a proposed amendment to BLM’s Las Vegas Resource Management Plan to enable project implementation.

### Design and Permitting – Landowner, Private Client, Solar PV Expansion Project –City of Davis, California

Rita serves as the CEQA Project Manager in preparation of a Draft IS/MND to be submitted to the City of Davis, for the development and installation of a 20-MW solar PV expansion to an existing, operational 1-MW Solar PV







facility, utilizing state-of-the-art solar technology and allowing sale of excess power generated onsite. The site is located upon a City of Davis-owned parcel, in the unincorporated portion of Yolo County. Key issues include biological resources (burrowing owl and Swainson's hawk issues), agricultural-land use interface issues, visual resources, noise, hazardous materials, and short-term traffic and air quality impacts.

*Program Environmental Impact Report, Plan Santa Barbara General Plan Update—City of Santa Barbara, California*

Rita is the Deputy Project Manager for this Program EIR which evaluates the impacts of growth and development within the City of Santa Barbara through 2030. Key issues include the impacts of downtown multiple-story mixed-use development, transportation, traffic and facilitation of alternative transportation, green building and sustainable development, protection of sensitive habitats, regional jobs-housing balance issues, air quality and the effects of global climate change.

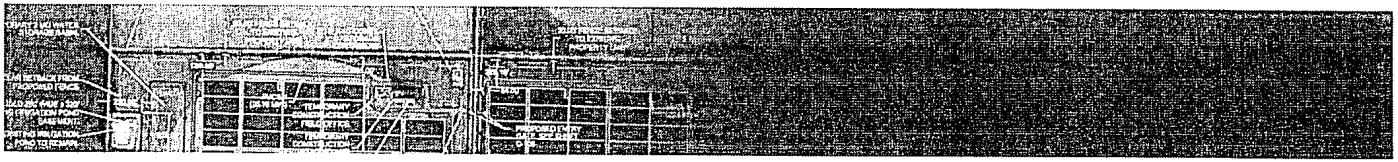
*Plan Santa Barbara General Plan Update Program EIR—City of Santa Barbara, California*

Rita is the Project Manager for this Program EIR which evaluates the impacts of growth and development within the City of Santa Barbara through 2030. Key issues include the impacts of downtown multiple-story mixed-use development, transportation, traffic and facilitation of alternative transportation, green building and sustainable development, protection of sensitive habitats, regional jobs-housing balance issues, air quality and the effects of global climate change.

*Carpinteria Valley Greenhouse Ordinance and EIS—Santa Barbara County, California*

Rita managed the preparation of coastal zone policy and ordinance amendments and an accompanying EIR for this contentious program which addressed the impacts of construction of industrial scale greenhouses on ground and surface water quality, hazards associated with pesticide usage adjacent to residential areas, and impacts to visual resources/community character. Rita conducted numerous meetings with concerned stakeholders including agricultural land owners and growers, the City of Carpinteria, and environmental groups.





## RON HUNTER, REA

### Proposed Role: Air Quality/GHG (Insight)

Ron Hunter is a Vice President of Insight Environmental Consultants. He has been a Registered Environmental Assessor for many years and serves as Principal Project Manager on environmental compliance programs and air quality impact analyses. He has extensive experience in all phases of environmental compliance systems and programs covering over 25 years.

Ron's primary focus is in conducting and managing Air Quality Impact Analyses, preparation of air quality documentation in EIRs and Development and Resource Planning for large, commercial, industrial, alternative energy and residential client projects. These projects are designed to meet the rigorous regulatory and legal requirements of CEQA.

Ron is thoroughly experienced in the environmental impacts of land/property acquisition and divestitures and has assisted many clients with planning and development of their property while significantly reducing environmental and economical impacts.

He is a Registered Environmental Assessor (REA) through the California Environmental Protection Agency – Office of Environmental Health Hazard Assessment and has conducted many Phase I and Phase II Environmental Site Assessments.

He has proven expertise in organization and management of audits at various industrial facilities to determine their compliance status with existing and forecasted environmental regulations. He has managed and led large-scale efforts to examine several clients' ability to comply with Title V of the Federal Clean Air Act that have included reviewing over 20,000 permit conditions.

He has prepared and submitted numerous applications for emissions permits before the U.S. EPA as well as regulatory agencies in California, Texas, Louisiana, Oklahoma, Kansas and Montana. Ron has negotiated numerous settlements with various regulatory agencies, including the U.S. EPA, South Coast AQMD and Santa Barbara, Ventura and San Joaquin Valley Unified APCDs.

## Project Experience

Multiple Solar EIRs (1,2,3) and Cover EIR by NextLight, Valley Solar Projects by Soltec, Maricopa Sun Drive Solar Array by First Solar, California

Air Quality Specialist. Prepared the Air Quality Chapters for the EIRs.

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### Education

- BA, Sociology, Political Science, California State University

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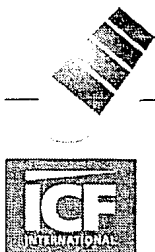
### Professional Memberships

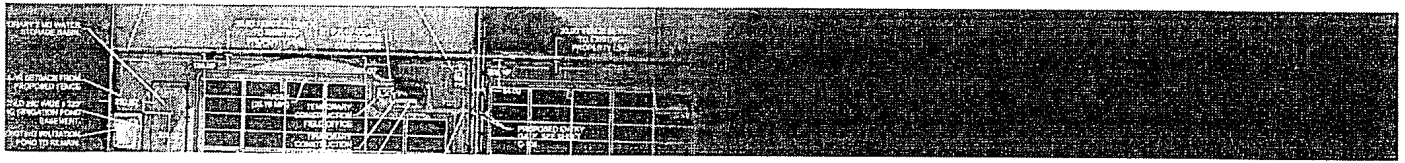
- Air & Waste Management Association (Board of Directors – Golden Empire Chapters)
- Western States Petroleum Association, Associate Member

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### Certifications

- California Registered Environmental Assessor (REA No. 00858)
  - National Panel of Consumer Arbitrators, Certified Arbitrator
  - 40 Hour Hazwoper Certified
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# RUSSELL SWEET

## Proposed Role: Biology

Russell Sweet has a working knowledge of the biological requirements of rare and endangered species indigenous to central and northern California. He is responsible for biological surveys data collection, plant and animal species identification with emphasis on rare, threatened, endangered and sensitive species and vegetative communities. He has over nine years of experience with endangered species throughout California, with an emphasis on the Central Valley.

## Project Experience

### Lost Hills Solar EIR by NextLight—Kern County, California

Biologist. Conducted a peer review of the Biological Resources Report, and authored the Biological Resources Chapter of the EIR.

### Lancaster Solar Power Project—TUUSO Energy LLC, Antelope Valley, California

Biologist. Conducted sensitive species, botanical and wildlife surveys for the project.

### Multiple Utility Scale Solar Projects (Sustainable Resources Group Holding Company Weldon Solar Projects and Solar EIR for Recurrent Valley Projects)—Kern County, California

Biologist. Conducted third-party peer review for the Biological Constraints Analysis Report.

### Transwest Express Transmission Project (TTEP) Biological Consulting Services and Regulatory Compliance—Southern California Edison, California

Lead Biological Monitor, Burrowing Owl Surveys, and Jurisdictional Delineations. Biological consulting services, including leading focused surveys for a number of key species (burrowing owl, coastal California gnatcatcher, least Bell's vireo, southwestern willow flycatcher, and rare plants). Served as the Lead Biological Monitor for the construction of a 66kV transmission line. Responsibilities included overseeing monitoring staff and the team's duties in upholding the Project EIR, Biological Opinion, Streambed Alteration Agreement, and Incidental Take Permit.

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## Years of Experience

- Professional start date: 1999
- ICF start date: 08/2008

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## Education

- BS, Biology, California State University, Bakersfield, 1999

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## Professional Memberships

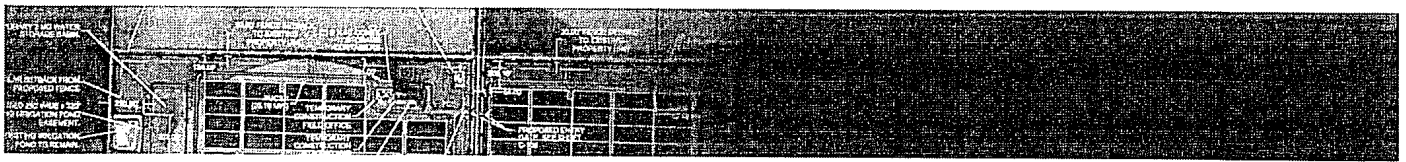
- Wildlife Society, Western Section
- California Native Plant Society, Kern County Chapter

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## Certifications

- Southwestern Willow Flycatcher Workshop Certificate, Southern Sierra Research Station, 2008
- Clean Water Act Section 404, Nationwide and Other Specialized Permits (University of California at Davis, 2005)
- Introduction to Arcview GIS 3.x (Bakersfield Junior College, 2001)
- CDFG SCP, SCIN #SC-000145
- Desert Tortoise Council 10th Annual Surveying, Monitoring & Handling Techniques Certificate, 2001
- Introduction to Arcview GIS 3.x (Bakersfield Junior College, 2001), CDFG SCP, SCIN #SC-000145





## R.C. BRODY, PWS

### Proposed Role: Biology

R.C. Brody has over seven years of experience as a wetland and riparian regulatory specialist and restoration ecologist and is a certified Professional Wetland Scientist. He specializes in preparing professional grade permit application packages and securing needed authorizations per California Department of Fish and Game (DFG) Code Section 1602, Corps, CWA Section 404, State and Regional Water Quality Control Board (RWQCB) CWA Section 401(b), and the CCC's Coastal Development Permit guidelines. R.C. crafts high quality HMMP and Restoration Plans for a variety of wetland-riparian and upland restoration projects, including conducting associated aquatic floral and faunal survey (special-status or otherwise). He is a certified wetland delineator, managing and conducting jurisdictional delineations of wetlands and riparian corridors per CCC, DFG, and Corps protocols. He manages Mitigation and Restoration Plan implementation conducts follow-up ecological census taking and long-term quantitative assessments, and implements and conducts pre-, active-, and post-construction mitigation monitoring; including training and managing construction monitors. R.C. has successfully negotiated and coordinated numerous off-site mitigation banking and in-lieu fee agreements (ILF).

#### Yehochapl Renewable Transmission Project (TRTP) Regulatory Compliance—SCE, Los Angeles, Kern, and San Bernardino Counties, California

Served as Senior Regulatory Specialist. Senior review and quality control of Jurisdictional Delineations Reports generated as part of SCE's Biological Resource Execution Phase of the TRTP; approximately 173 miles of transmission line through National Forest, USACE lands, protected open space, urban areas, and numerous undisturbed jurisdictional creeks, stream, and rivers with high potential for listed species.

#### Santa Barbara Ranch—Mitigation Project, Santa Barbara County, California

Lead Delineator. Conducted jurisdictional assessment and mapping of state and federal jurisdictional resources, and assisted in focused wintering monarch butterfly surveys and native grassland studies for a proposed subdivision site within the Gaviota Coast coastal bluffs north of the City of Goleta.

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### Years of Experience

- Professional start date: 10/2004
- ICF start date: 06/2011

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### Education

- MA, Geography—Biogeography/ Environmental Hydrology-Stream Function, University of California at Los Angeles, 2004
- BS, Environmental Science, Policy, and Management—Water Resource Management, University of California at Berkeley, 2002

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### Certifications/Permits

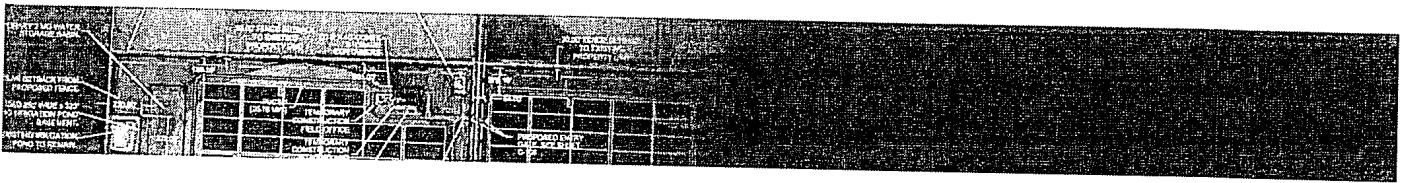
- Certified Professional Wetland Scientist, Society of Wetland Scientists
- Certified CRAM Practitioner, Southern California Coastal Water Research Project
- DFG Scientific Collection Permit #SC-7840 for reptiles, amphibians, aquatic/terrestrial invertebrates; with special authorizations for silvery legless lizard, Western Spadefoot toad, and Southwestern pond turtle.
- Certified Wetland Delineator, Richard Chinn Environmental, 2005
- Beach-spawning grunion, western snowy plover, and least tern protocol-level survey training and conducting surveys under State and Federal MOU

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### Training

- Southern California Birds Identification, Western Foundation of Vertebrate Zoology, 2011





# TANYA JONES

## Proposed Role: CEQA Documentation

Tanya Jones is trained in environmental analysis and design. She has more than three years of experience preparing CEQA and NEPA documents by completing environmental analysis and coordinating between project managers and technical specialists. She is a generalist with experience completing environmental analysis for a wide range of projects including commercial, residential, redevelopment, infill development, solar, transportation, and utility projects.

### Project Experience

#### *Maricopa Sun Solar Complex—Maricopa Sun, LLC/Kern County, California*

Served as author. Prepared the agricultural, land use, and public services analyses for the EIR. The proposed project involved development of a 700MW PV solar development facility on approximately 9,027 acres in the County of Kern. Major issues that were addressed as part of the EIR included aesthetics and visual impacts (including preparation of visual simulations), air quality emissions, agricultural land conversion, biological habitat modification and impacts to sensitive plant and wildlife species, cultural resources impacts to archaeological, paleontological, and historic sites, and hydrology and water quality impacts.

#### *Weldon Solar Project by Renewable Resources/Kern County, California*

Served as author. Prepared the land use and utilities analyses for the EIR. The proposed project included a zone change, concurrent with conditional use permits to allow for the construction and operation of a 60MW PV solar facility on 500 acres. The proposed project required approval of a zone change from A-1 (Limited Agriculture) to A (Extensive Agriculture), two conditional use permits (CUPs), grading and building permits to allow for the construction and operation of a 60 megawatt (MW) solar photovoltaic (PV) electrical generation facility and associated infrastructure with related site access and connection to the electricity transmission grid on three contiguous parcels. Power generated at the project would be transferred to a proposed substation of approximately 27,000 square feet, including two 10,000 square-foot switchgear pads. The proposed substation would be linked to an existing substation by a generation tie (gen-tie) line hung on existing wooden poles for about one-half mile along a local highway. The proposed project was generally located on vacant land historically used for agricultural production, including grazing and farming activities, adjacent to Williamson Act contracts and within an area zoned for flood hazards.

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### Years of Experience

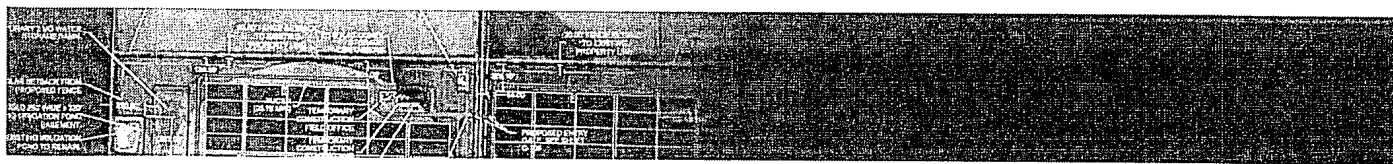
- Professional start date: 04/2008
- ICF start date: 04/2008

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### Education

- BA, Environmental Analysis and Design, University of California, Irvine, 2005
- 





# MARK ROBINSON, RPA

## Proposed Role: Cultural Resources

Mark Robinson is a cultural resources specialist with more than 20 years of experience in prehistoric and historical archaeology. He has worked extensively in California as well as in the Pacific Northwest, the Midwest, and on the Atlantic seaboard. Mark has specialized training in lithic analysis and lithic materials identification and sourcing and meets the Secretary of Interior's standards for a professional archaeologist. He has managed all phases of archaeological activities, including surveys, testing, data recovery excavations, monitoring, site evaluation, analysis, report preparation, and archival research.

Prior to joining ICF International, Mark managed multiple projects in southern California, including surveys, testing, data recovery, and monitoring projects for numerous federal and state agencies. These projects involved complex cultural resources and compliance issues as well as budget preparation and tracking, staff coordination, and writing and editing of reports and Section 106 compliance documents.

### Project Experience

*Valley Solar Project by enXco—Kern County, California*

Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.

*Starloopa Sun, LLC, Solar Complex—Kern County, California*

Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.

*Renewable Resources Group Holding Company Waldon Solar Project—Kern County, California*

Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.

*NextLight Lost Hills Solar EIR—Kern County, California*

Archaeology Task Manager. Conducted peer review of the cultural resources technical report, and drafted the Cultural Resources EIR Chapter.

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### Years of Experience

- Professional start date: 05/1987
- ICF start date: 04/2004

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### Education

- MS, Anthropology, University of Oregon, 1998
- MA, English, University of Oregon, 1990
- BA, History and Geology, University of Montana, 1981

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### Professional Memberships

- Society for American Archaeology
- Society for California Archaeology
- Register of Professional Archaeologists

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### Certifications

- Registered Professional Archaeologist (RPA), No. 11067

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### Training/Lecture

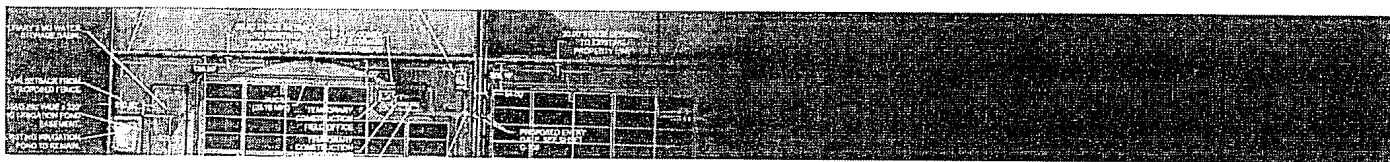
- Lithic Analysis

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### Areas of Expertise

- Project Management
  - Lithic Material Identification and Analysis
- 





## GARY CLENDENIN, PG

### Proposed Role: Geology/Hazardous Materials

Gary is a Senior Project Manager in ICF International’s Irvine, California office, with over 26 years of experience in geology, hydrogeology, and environmental sciences. He is a State of California Registered Professional Geologist, and over the last 21 years, he has been involved in all aspects of the environmental consulting practice ranging from the planning, design, and execution of soil and groundwater investigations and feasibility studies, to assisting clients in managing their environmental liability exposure. Gary’s specific areas of expertise include: environmental due diligence and liability assessments, hydrogeologic investigations (including groundwater modeling and aquifer testing), remedial investigation/feasibility studies, hazardous waste management, environmental site assessments, engineering evaluations, and oil field environmental assessments, restoration and redevelopment.

### Project Experience

**Kern County Solar Siting Assistance—Hydrovia Renewables, Kern County, California**

Conducted a hazardous materials and geology constraints analysis for two potential projects sites.

**Leucosier Solar Updated Phase I ECA—TIDUSCO Energy LLC, Antelope Valley, California**

Directed the completion of a Phase I ESA to support the development of agricultural land for solar power generation. Also provided recommendations on the potential of using existing groundwater wells for site use.

**Antelope PV Solar Conditional Use Permit Application Support—TIDUSCO Energy LLC, Antelope Valley, California**

Directed a small team of experts to complete a hazards and geology constraints analysis for inclusion in the Conditional Use Permit application.

**California High Speed Train, Anaheim to Los Angeles EIR/EIS—California High Speed Rail Authority/CTV Incorporated, Anaheim to Los Angeles, California**

Senior Project Manager/Hazardous Materials Lead. Led a team of geologists and engineers to complete an analysis of hazardous materials for a Program EIR/EIS for the California High-Speed Train System, segment Anaheim to Los Angeles.

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### Years of Experience

- Professional start date: 05/1983
- ICF start date: 01/1999

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### Education

- MS, Geology, Ohio University, 1990
- BS, Geology, Marietta College, 1984

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### Certifications

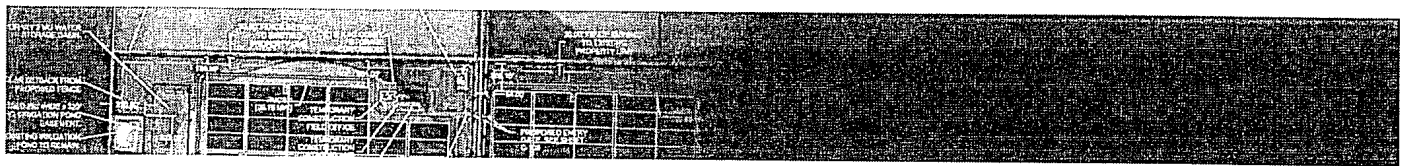
- Certificate, Contaminant Hydrogeology, Oklahoma, 1990
- Registered Geologist, State of California, No. 6396, 1995

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### Training

- 40-Hour Hazwoper Training
  - 8-Hour Site Supervisor Training
  - First-Aid and CPR Certification
- 





# MARIO BARRERA

## Proposed Role: Geology/Hazardous Materials

Mario has seven years of experience in the environmental consulting field, including remediation system operation and maintenance; collection of wastewater, groundwater, and soil samples; field data collection and management; NPDES rules and regulations enforcement and implementation; Phase I and Phase II assessments and; stormwater and industrial waste site Inspections and permitting. He also currently assists in the management of several projects.

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### Years of Experience

- Total: 10/2001
  - ICF: 7/2004
- 

### Education

- BS, Engineering Technology, Environmental Technology; California State University, Long Beach, 2003
- 

## Project Experience

### Lancaster Antelope Solar Power Project--TUUSO Energy LLC, Antelope Valley, California

Provided support to the PM (Gary Clendenin) of the project.

Responsibilities included analyzing environmental and historical land use information during the completion of a Phase I Environmental Site Assessment and including it in the Phase I report. ICF has performed preliminary assessment studies on a variety of different site locations in the Antelope Valley. For a selected project location in the western portion of the City of Lancaster, ICF managed a variety of different technical studies in support of CEQA environmental documentation for a proposed 20 MW solar power plant across more than 200 acres. The project goal was to provide the City of Lancaster Planning Department with sufficient technical environmental information in order to prepare a CEQA IS or EIR, depending on the issues found to be present.

### Municipal Bus Line Maintenance Facility--Southern California Municipality, California

Project team member providing environmental support during excavation activities for the facility's expansion project, including excavation monitoring, and stockpiled soil management, sampling, and analysis.

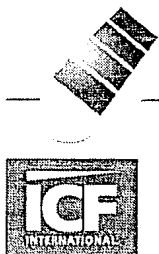
### Gas Extraction System--Ondupon California (Municipal Landfill), California

Mario is currently a project team member for a landfill gas (LFG) collection, treatment, and control system. System composed of a well field with 10 vertical LFG extraction wells; conveyance piping; extraction blowers; treatment equipment with vapor-phase and aqueous-phase carbon vessels; and subsurface monitoring probe network. Responsible for operation and maintenance of the system in compliance with the regulatory permits. Manages vapor sample collecting and probe network monitoring to confirm system compliance. Coordinates, manages and performs most of the required permitting, quarterly report writing, and field work at site.

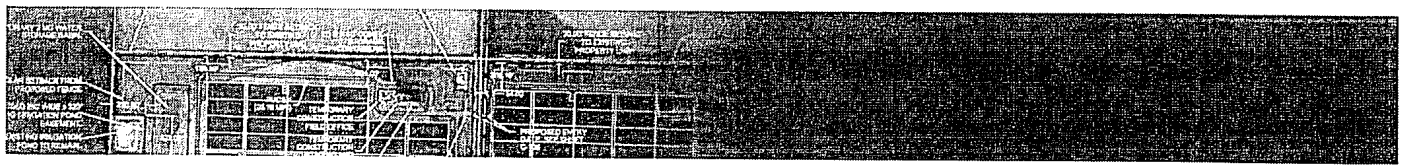
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### Special Training

- 40-Hour Hazwoper Training
  - First-Aid and CPR Certification
- 







# SORAYA SWIONTEK

## Proposed Role: GIS

Soraya Swiontek brings experience with special emphasis in Geographic Information Systems (GIS) mapping and analysis. She has provided extensive GIS support for clients such as the USDA Forest Service (Forest Service), US Navy, Southern California Edison (SCE), and California Department of Transportation (Caltrans). Soraya earned a Certificate in GIS from San Diego Mesa College. Her experience includes mapping and analysis in GIS using ArcGIS, ArcINFO, ArcView, ArcScene and Adobe Illustrator CS2, project data development, organization, management, processing and archiving, cartography and map production, file development and maintenance using geodatabases, as well as CAD interpretation and integration into GIS, air photo interpretation, data collection, download and analysis using Pathfinder Office and Trimble GPS equipment such as GeoXH, GeoXT, Yuma and Juno Units.

*Tehachapi Renewable Transmission Project (TRTP) Regulatory Compliance—Southern California Edison, Los Angeles and Kern Counties, California*

GIS Analyst. Provided GIS support on data organization/management, mapping and analysis for technical reports. Created, organized, and maintained data using a Geodatabase. GPS download/data interpretation, aerial photo interpretation, georeferencing and topology techniques in ArcGIS were used. Analysis and impact calculation data models were set up using Model Builder in ArcGIS. Map series for the technical reports were generated using both ArcGIS and Illustrator. This project is in progress.

*Tehachapi Renewable Transmission Project (TRTP) Biological Consulting—Southern California Edison, Los Angeles and Kern Counties, California*

GIS Analyst. Provided GIS support on mapping and analysis for technical reports. Created, organized, and maintained data using a Geodatabase. GPS download/data interpretation, aerial photo interpretation, georeferencing and topology techniques in ArcGIS were used. Map series for the technical reports were generated using both ArcGIS and Illustrator. This project is in progress.

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### Years of Experience

- Professional start date: 07/2004
- ICF start date: 06/2006

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### Education

- BA, Anthropology (certificate in Ethnomusicology), University of California, Irvine, 2005
- BA, Philosophy, University of California, Irvine, 2005

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### Professional Memberships

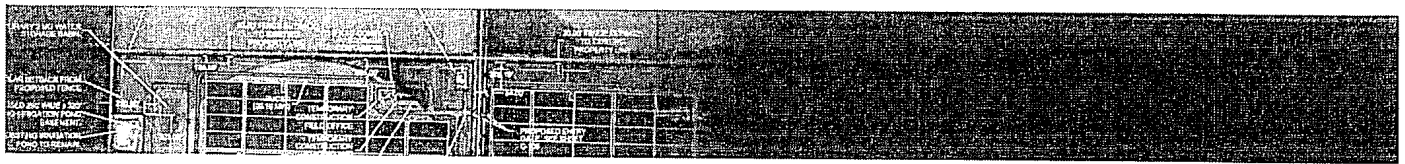
- San Diego Archaeological Center
- San Diego County Archaeological Society
- Society for California Archaeology

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### Certifications

- Certificate in GIS, San Diego Mesa College, 2006
- 





# ALEXA LA PLANTE

## Proposed Role: Hydrology/Water Quality

Alexa La Plante has experience in federal and state water quality permitting compliance, regulatory agency coordination, water quality technical reports and monitoring studies, water resources planning, flood management, natural resources, and climate change projects. She is thoroughly familiar with water resources issues, as well as water quality regulatory compliance and related technical studies, in California.

Alexa authors California Environmental Quality Act/National Environmental Policy Act (CEQA/NEPA) sections on hydrology and water quality, develop Water Quality Assessment Reports, water quality and hydrology technical reports.

### Project Experience

#### Champagne Avenue Solar Photovoltaic Project Hydrology and Water Quality Technical Report—Iberdrola Renewables, Kern County, California

Task Leader and Peer Reviewer. Coordinating the development of a hydrology and water quality technical report for a 40-megawatt solar project in Kern County. The report includes an environmental and regulatory setting, discussion of potential project impacts on hydrology, flooding, and water quality, and recommendations for mitigation measures. A drainage study was also conducted using the Rational Method in compliance with Kern County requirements, as well as HEC-HMS.

#### Sheppard Solar Project Technical Study—Iberdrola Renewables, Kern County, California

Task Manager and Peer Reviewer. Coordinated the development of a hydrology and water quality technical report for a 40-MW solar project in Kern County. The report included an environmental and regulatory setting, discussion of potential project impacts on hydrology, flooding, and water quality, and recommendations for mitigation measures. A technical drainage study was also conducted using the Rational Method in compliance with Kern County requirements, as well as HEC-HMS.

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### Years of Experience

- Professional start date: 06/2001
  - ICF start date: 07/2010
- 

### Education

- MS, Civil and Environmental Engineering, University of California, Davis, 2008
  - BA, Environmental Studies, University of California, Santa Cruz, 2001
  - University of Costa Rica (University of California Education Abroad Program)
  - University of Michoacan (University of California Education Abroad Program)
- 

### Professional Memberships

- Society of Women Engineers
  - California Stormwater Quality Association (CASQA)
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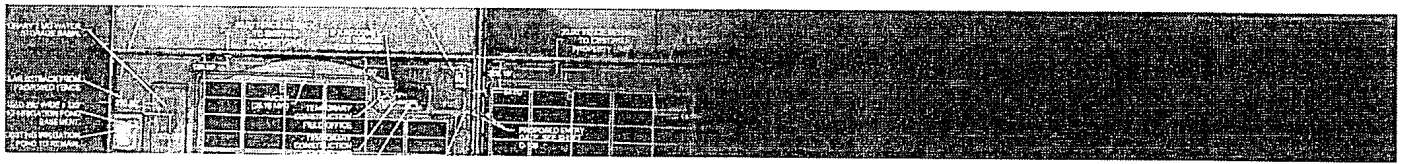
### Special Training

- ATV Safety Course, 2010
  - Small Water Craft Operation Certification, 2007
  - OHSA HAZWOPER Certification, 2003
  - California Environmental Protection Agency NPDES Permit Writers Course, 2002
- 

### Languages

- Spanish, written and verbal fluency
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# MIKE GREENE

## Proposed Role: Noise

Mike Greene is a senior technical analyst with ICF International. He is Board Certified by the Institute of Noise Control Engineering. The County of San Diego has approved him as a qualified acoustical consultant. He has more than 20 years in the field of acoustical analysis and noise control engineering. He has conducted and participated in noise and vibration analyses for hundreds of transportation, commercial, industrial and residential developments throughout California and the United States. As project manager or task manager, he has conducted noise studies for industrial and commercial facilities, ranging from hospitals to manufacturing plants to super speedway facilities. He is experienced in the modeling of existing and future roadway noise impacts using the FHWA's Traffic Noise Model (TNM®).

### Project Experience

Multiple EIRs for Utility-Scale Solar Projects (enXco Valley Solar Projects, Jett Flight Lost Hills Solar EIR, Renewable Resources Group Holding Company Weldon Solar Project, Rosedale and Rancho Commercial Center EIR)—Kern County, California:

Senior Technical Reviewer. Conducted peer technical reviews of the noise reports and and provided QA/QC technical reviews.

Waynesville Filtration Plant Solar Project—Metropolitan, La Verne, California

Served as noise task manager. Conducted the noise study for the IS/MND for this project. The primary issue with respect to noise from the project was potential effects at nearby residences and other land uses from construction activities associated with the proposed project.

Lake Olinde Solar Project—Metropolitan, Riverside County, California

Served as noise task manager. Conducted the noise study for the IS/MND for the project. The primary issue with respect to noise was potential effects at adjacent residences from construction activities associated with the proposed project.

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### Years of Experience

- Professional start date: 10/1989
  - ICF start date: 01/2006
- 

### Education

- BS, Applied Mechanics, University of California, San Diego, 1985
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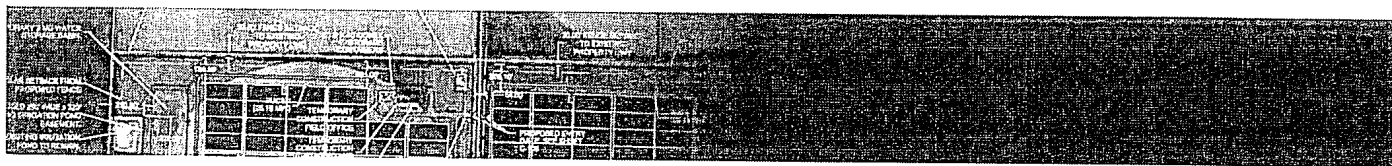
### Professional Memberships

- Institute of Noise Control Engineering (INCE)
  - Transportation Research Board (TRB)
- 

### Certifications

- INCE Certification, No. 97008
- 





## PETER HARDIE

### Proposed Role: Noise

Peter Hardie has more than four years of experience in the field of acoustical analysis for a wide array of projects, including transportation, residential development, master plan developments, and rail projects throughout southern California. He has conducted and participated in noise and vibration analyses for numerous transportation, commercial, industrial and residential developments throughout California. He is also experienced in modeling existing and future conditions to determine potential project-related noise impacts using FHWA’s Traffic Noise Model (TNM®). He conducts railroad noise modeling using the methods developed for the U.S. Federal Transit Administration and Rail Administration.

Peter is also experienced in environmental planning, environmental analysis, and impact assessments for transportation and development projects subject to CEQA.

### Project Experience

*Renewable Resources Group Holding Company Welton Solar Project - Kern County, California*

Technical Reviewer. Reviewed the noise technical report.

*DL Top Ranch SRADA Application Review—City of Goleta, California*

Lead Author. Analyzed potential noise and geologic affects to and from residential or agricultural potential land uses on a property in Goleta, California. Designed a benefit analysis of each land use and compared potential impacts to and from each land use on the surrounding communities.

*Twin Mountain Villages Draft EIR - Kern County, California*

Noise Specialist. Conducted noise analyses for a low-density residential community with commercial and recreational land use components. The noise analysis included noise measurements of ambient conditions, traffic noise impact analysis to estimate potential noise effects at both existing noise-sensitive land uses and proposed on-site receptors. The results of the noise studies were summarized in noise technical reports and the EIR.

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### Years of Experience

- Professional start date: 01/2005
- ICF start date: 01/2005

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### Education

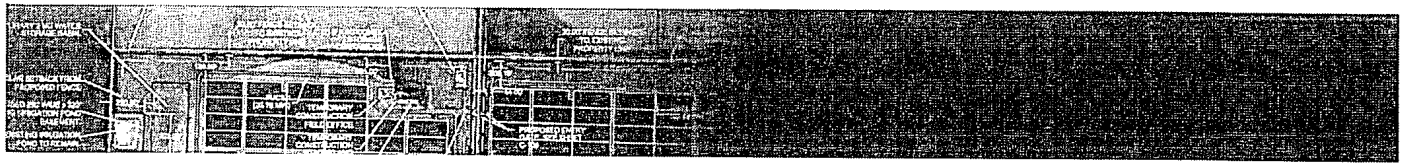
- MESM, Environmental Science and Management, University of California, Santa Barbara, 2004
- BA, Environmental Science, Rollins College, 1999

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### Training

- FHWA TNM 2.5 Training Course
  - Principles of Acoustics
  - Environmental Noise Analysis
- 





# KAI-LING KUO, PE

Proposed Role: Traffic

Kai-Ling Kuo is a transportation planner/engineer with more than eight years of environmental planning, transportation planning, and engineering experience. Her specialties include transportation impact analysis, environmental impact analysis, and all analytical aspects of transportation planning and engineering. Kai-Ling’s transportation experience includes travel demand forecasting, development of the transportation element of city and county comprehensive plans, traffic analysis for environmental reports and site impact studies, development of roadway improvement projects and cost estimates, and geometric design of transportation infrastructure. She is also adept at air quality and noise analysis, having completed numerous air quality and noise analysis for environmental reports and site impact studies in California and Washington.

She has prepared numerous project-specific and programmatic documents and technical studies in the areas of transportation, air quality, and noise to satisfy the requirements of the National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and State Environmental Policy Act (SEPA).

## Project Experience

*Bishop Ranch SPADA Application To the City of Orange, California*

Transportation Engineer. Evaluated the existing and future traffic conditions as a result of land use changes at the Bishop Ranch Property. The analysis included review of General Plan and traffic studies in project vicinity, identification of the existing and future roadway capacity and demand, and discussion of constraints and opportunities associated with transportation and circulation.

*Orange General Plan TIP—City of Orange, California*

Transportation Engineer. Reviewed the transportation report prepared for the project and supported the preparation of the Transportation Chapter of the CEQA EIR.

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### Years of Experience

- Professional start date: 10/2001
- ICF start date: 09/2002

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### Education

- MS, Civil and Environmental Engineering, University of Wisconsin, Madison, 2001
- BS, Civil Engineering, National Taiwan University, Taipei, Taiwan, 1998

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### Professional Memberships

- Institute of Transportation Engineers

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### Certifications

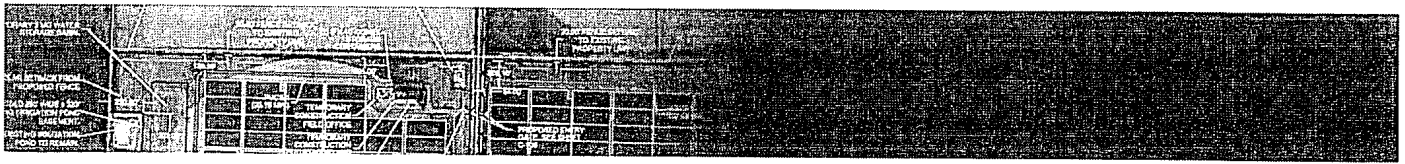
- PE, Civil Engineering, State of Washington, 2006, No. 42787
- PE, Civil Engineering, State of Oregon, 2010, No. 84130PE

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### Areas of Expertise

- Transportation Planning and Engineering
  - Transportation Impact Analysis
  - Air Quality and Noise Impact Analysis
  - Environmental Analysis
- 





# KIRAN KUMARASWAMY

## Proposed Role: Transmission Analysis

Kiran Kumaraswamy’s expertise is in transmission planning studies, transmission asset valuation, due diligence, Locational Marginal Price (LMP) forecasting, merchant transmission investment assessment and power systems modeling. He also specializes in load forecasting methodologies, generation interconnection and risk assessment, estimation of transmission congestion, NERC Reliability Standards Compliance and benefits of Regional Transmission Organizations (RTO) in deregulated energy markets. Prior to joining ICF, Kiran worked on the dynamics of Distributed Generation (DG) systems where he studied the modeling of fuel cells and micro turbines related to power generation. Kiran extensively uses GE-MAPS©, PowerWorld© & GE-PSLF© for modeling applications and analysis.

### Project Experience

#### *Curtailment Risk Assessment for Wind Facilities*

Performed a high level assessment of key transmission-related risks to wind generation and assessed their impact on existing and new wind facilities. The findings were presented in the form of a detailed report for each market that described the risks and how they can impact existing and planned wind generation facilities, including whether transmission curtailment risk will be mitigated or will worsen. Where curtailment risks exist, performed a qualitative assessment of the risk of congestion or reliability related curtailment relative to economics related curtailment.

#### *Strategic Transmission and Distribution Investments Study*

For a large U.S. electric and gas utility, performed detailed power-flow analysis and distribution system analysis to assess transmission and distribution investment needs over a range of future scenarios. Future uncertainties related to the level and timing of U.S. GHG control initiatives. The aim of the study was to identify the investment strategies under alternate future outcomes, to help determine the most effective “no regret” path forward, and to highlight key signals foretelling changes in market fundamentals which may lead to alternate paths over time. Additionally, used the GE-PSLF model for transmission analysis and supplemented it with detailed distribution system analysis to accurately forecast T&D investments for the utility over the next 15 year time-frame.

#### *WECC Regional Transmission Expansion Planning*

Served as the transmission expert for the ICF team selected by WECC to provide technical support to the Scenario Planning Steering Group (SPSG). Involved in the due diligence of the per unit transmission cost estimates used by WECC in its planning processes.

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### Education

- MS, Electrical Engineering, University of Wisconsin, Madison, 2005
- BS, Electrical Engineering, University of Madras, India, 2003

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### Certification

- Project Management Professional, PMP®, Certification Number: 1301493, Grant Date: 16 November 2009, Expiration Date: 15 November 2012
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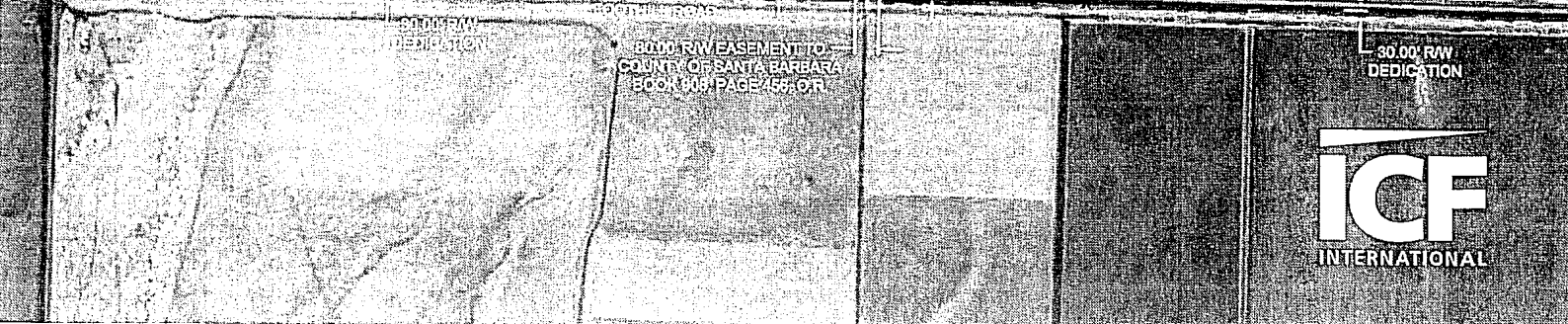
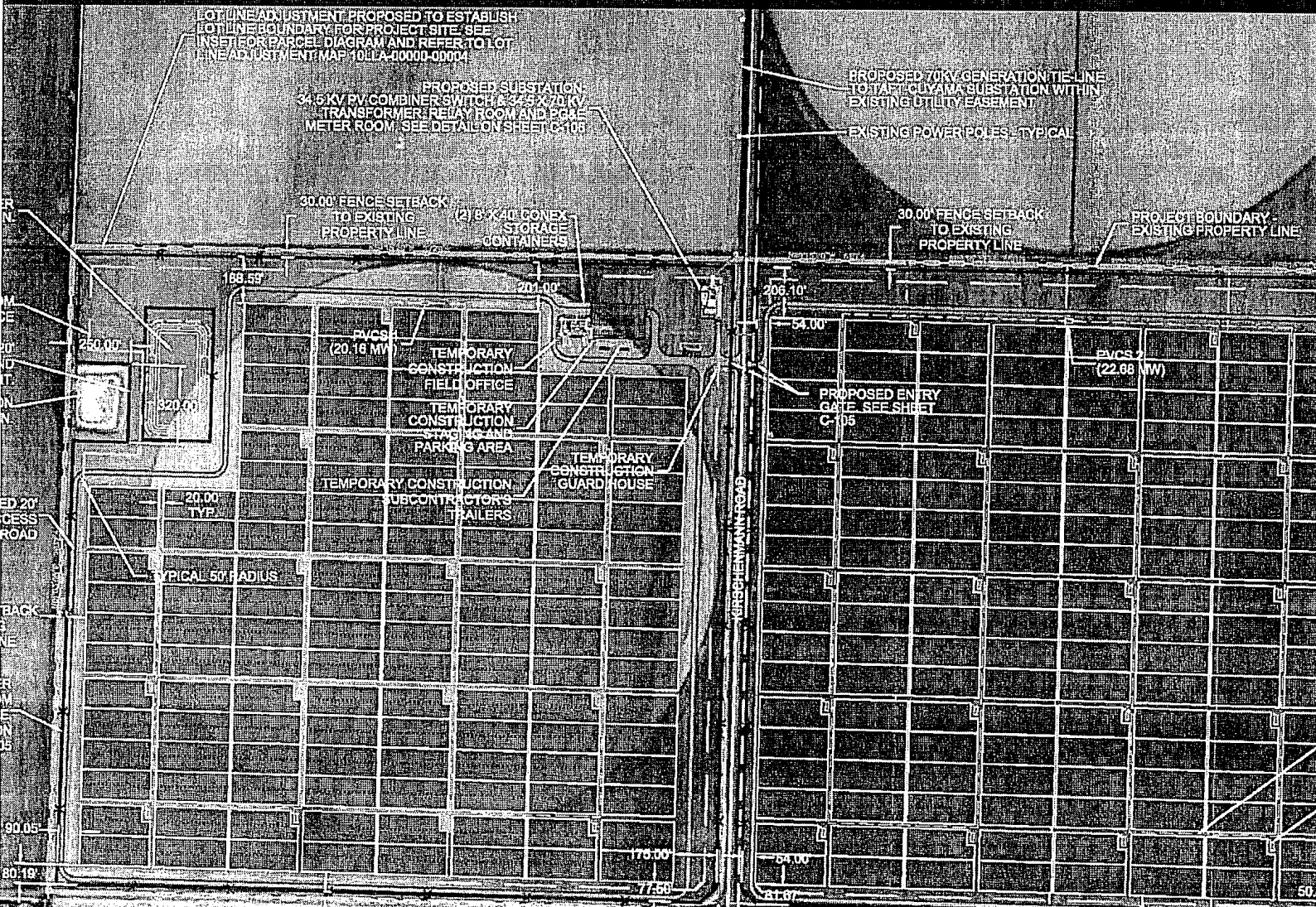


# Best and Final Cost Proposal

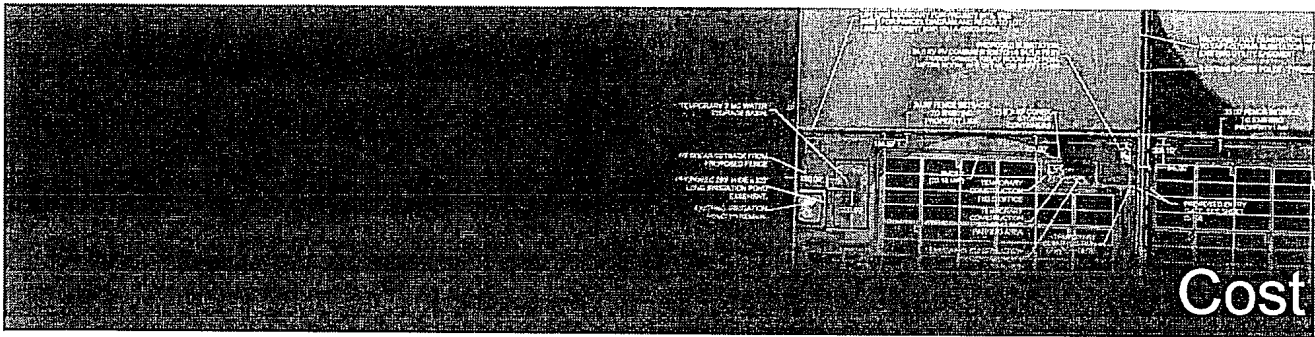
# Cuyama Solar Array Project Environmental Impact Report

County of Santa Barbara, Planning & Development, Energy Division  
First Solar, Inc.

March 2, 2012  
Submitted by: ICF International







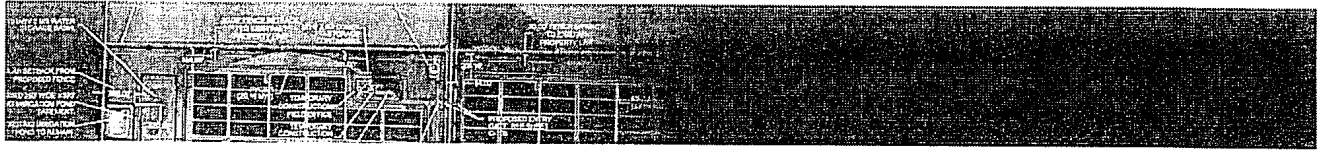
ICF Jones & Stokes, Inc. (an ICF International company hereafter referred to as ICF) is pleased to submit this cost proposal to complete each of the tasks outlined in the "Study Methodology" section in the proposal to the County separately as requested in the Request for Proposals (RFP) by the County of Santa Barbara, Planning & Development, Energy Division (County).

The following cost sheet provides a breakdown of the hours and costs by task, which includes salary, administrative and overhead rate, and profit margin, along with indirect expenses and subcontractor expenses for AMEC and Insight Environmental. We have also included 10% contingency at the County's request.

In order to demonstrate our strong desire to work on this project, and in an effort to be as cost competitive as possible, we have proposed a 9% profit margin. As you will see in our proposed workplan, we have attempted to minimize costs by utilizing the existing studies to the greatest degree possible. We have also proposed to attend five of the 10 staff meetings via conference call to minimize travel time and expenses (but are open to attending in person should that be more desirable). Our fee assumes attendance at the following meetings, and the estimated hours for each meeting are as follows:

- Five in-person staff meetings.
  - Chad Beckstrom – 3 hours per meeting (including travel and prep time) for a total of 15 hours; cost - \$661.56 per meeting
  - Steve Esselman – 3 hours per meeting (including travel and prep time) for a total of 15 hours; cost - \$348.87 per meeting
  - Tanya Jones – 3 hours per meeting for 2 meetings a total of 6 hours; cost - \$252.24 per meeting
- Five conference calls.
  - Chad Beckstrom – 1.5 hours per meeting for a total of 7.5 hours; cost - \$330.78 per meeting
  - Steve Esselman – 1.5 hours per meeting for a total of 7.5 hours; cost - \$174.44 per meeting
  - Tanya Jones – 1.5 hours per meeting for a total of 7.5 hours; cost - \$126.12 per meeting





- One Public Workshop – assumes attendance by two staff members.
  - Chad Beckstrom – 3 hours (including travel and prep time); cost - \$661.56 per meeting
  - Steve Esselman – 3 hours (including travel and prep time); cost - \$348.87 per meeting
- Two Planning Commission Hearings – assumes attendance by two staff members.
  - Chad Beckstrom – 3 hours per meeting (including travel and prep time) for a total of 6 hours; cost - \$661.56 per meeting
  - Steve Esselman – 3 hours per meeting (including travel and prep time) for a total of 6 hours; cost - \$348.87 per meeting
- Two Board of Supervisor Hearings – assumes attendance by two staff members.
  - Chad Beckstrom – 3 hours per meeting (including travel and prep time) for a total of 6 hours; cost - \$661.56 per meeting
  - Steve Esselman – 3 hours per meeting (including travel and prep time) for a total of 6 hours; cost - \$348.87 per meeting

In addition to ICF's costs, Rita Bright of AMEC will attend up to 10 staff meetings and/or public workshops/meetings.

Included within our Environmental Impact Report (EIR) fee, we have provided costs associated with specialty energy services in response to public comments, including review of the Pacific Gas & Electric Company (PG&E) and California Independent Systems Operator (CAISO) generation interconnection queue and due diligence on available capacity for transmission interconnection, and providing a bulk power system reliability impact assessment. The fee for these services is estimated to be \$4,630 for each of the two tasks.

ICF proposes to perform the scope of work identified in Section 4 of our proposal for a not-to-exceed fee of \$258,356 (including the contingency, but excluding the Optional Task 9). Should the County desire ICF and AMEC to assist with preparation of the Ordinance Amendments, and Legislative and CEQA Findings, our fee would be \$272,065. Our estimated fees by task break down as follows and are detailed on Table 1:





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## EXHIBIT B

### PAYMENT ARRANGEMENTS

A. For CONTRACTOR services to be rendered under this contract, CONTRACTOR shall be paid on a time and material basis. Total contract amount, including cost reimbursements, shall not exceed \$239,271.00. An additional 15 percent contingency up to \$35,891.00 may be authorized by the Director of Planning and Development for additional work not included in the original scope of work.

B. Payment for services and reimbursement of costs shall be made upon CONTRACTOR'S satisfactory performance, based upon the scope and methodology contained in **EXHIBIT A** as determined by COUNTY.

C. CONTRACTOR shall submit to the COUNTY DESIGNATED REPRESENTATIVE an invoice or certified claim on the County Treasury each month for the service performed in accomplishing each milestone. These invoices or certified claims must cite the assigned Board Contract Number and shall provide a detailed itemization of costs in relation to services performed. COUNTY DESIGNATED REPRESENTATIVE shall initiate payment processing upon determination of satisfactory performance. COUNTY shall pay invoices or claims for services within 30 days of presentation, provided that COUNTY shall withhold 30 percent of the amount of each invoice pending satisfactory completion of the milestone for which the invoice applies. COUNTY shall pay any such withheld amounts within 30 days following satisfactory and timely completion of the milestone. CONTRACTOR shall not commence work unless and until COUNTY issues a Notice to Proceed.

Maximum Amount Chargeable of Total Contract Amount <sup>1</sup>	Milestone Description
\$18,962.00	1. Prepare project description, environmental setting, and description of alternatives (ICF Tasks 1 and 2)
\$154,183.00	2. Prepare Administrative Draft EIR and Technical Studies (ICF Task 3)
\$26,409.00	3. Prepare Public Draft EIR and Technical Studies (ICF Task 4)
\$28,219.00	3. Prepare Administrative Final EIR/Responses to Comments (ICF Tasks 5, 6, and 7)
\$11,498.00	4. Prepare Final EIR (ICF Tasks 8 and 9)

D. COUNTY's failure to discover or object to any unsatisfactory work or billings prior to payment will not constitute a waiver of COUNTY's right to require CONTRACTOR to correct such work or billings or seek any other legal remedy.

E. \_\_\_\_\_

<sup>1</sup> ICF Task 10, Meetings, is a total budget of \$21,979. This amount is distributed proportionally amongst the five project Milestones at percentages of 10% for Milestone 1, 20% for Milestone 2, 40% for Milestone 3, 20% for Milestone 4 and 10% for Milestone 5.

## EXHIBIT C

### STANDARD INDEMNIFICATION AND INSURANCE PROVISIONS for contracts REQUIRING professional liability insurance

#### INDEMNIFICATION

##### Indemnification pertaining to other than Professional Services:

CONTRACTOR shall defend, indemnify and save harmless the COUNTY, its officers, agents and employees from any and all claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities arising out of this Agreement or occasioned by the performance or attempted performance of the provisions hereof; including, but not limited to, any act or omission to act on the part of the CONTRACTOR or his agents or employees or other independent contractors directly responsible to him; except those claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities resulting from the sole negligence or willful misconduct of the COUNTY.

CONTRACTOR shall notify the COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement.

##### Indemnification pertaining to Professional Services:

CONTRACTOR shall indemnify and save harmless the COUNTY, its officers, agents and employees from any and all claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities arising out of the negligent performance or attempted performance of the provisions hereof; including any willful or negligent act or omission to act on the part of the CONTRACTOR or his agents or employees or other independent contractors directly responsible to him to the fullest extent allowable by law.

CONTRACTOR shall notify the COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement.

Without limiting the CONTRACTOR's indemnification of the COUNTY, CONTRACTOR shall procure the following required insurance coverages at its sole cost and expense. All insurance coverage is to be placed with insurers which (1) have a Best's rating of no less than A: VII, and (2) are admitted insurance companies in the State of California. All other insurers require the prior approval of the COUNTY. Such insurance coverage shall be maintained during the term of this Agreement. Failure to comply with the insurance requirements shall place CONTRACTOR in default. Upon request by the COUNTY, CONTRACTOR shall provide a copy of any insurance policy to the COUNTY within ten (10) working days.

1. Workers' Compensation Insurance: Statutory Workers' Compensation and Employers Liability Insurance shall cover all CONTRACTOR's staff while performing any work incidental to the performance of this Agreement. The policy shall provide that no cancellation, or expiration or reduction of coverage shall be effective or occur until at least thirty (30) days after receipt of such notice by the COUNTY. In the event CONTRACTOR is self-insured, it shall furnish a copy of Certificate of Consent to Self-Insure issued by the Department of Industrial Relations for the State of California. This provision does not apply if CONTRACTOR has no employees as defined in Labor Code Section 3350 et seq. during the entire period of this Agreement and CONTRACTOR submits a written statement to the COUNTY stating that fact.

2. General and Automobile Liability Insurance: The general liability insurance shall include bodily injury, property damage and personal injury liability coverage, shall afford coverage for all premises, operations, products and completed operations of CONTRACTOR and shall include contractual liability coverage sufficiently broad so as to include the insurable liability assumed by the CONTRACTOR in the indemnity and hold harmless provisions of the Indemnification Section of this Agreement between COUNTY and CONTRACTOR. The automobile liability insurance shall cover all owned, non-owned and hired motor vehicles that are operated on behalf of CONTRACTOR pursuant to CONTRACTOR's activities hereunder. CONTRACTORS shall require all subcontractors to furnish separate certificates and endorsements to meet the standards of these provisions by each subcontractor. COUNTY, its officers, agents, and employees shall be Additional Insured status on any policy. A cross liability clause, or equivalent wording, stating that coverage will apply separately to each named or additional insured as if separate policies had been issued to each shall be included in the policies. A copy of the endorsement evidencing that the policy has been changed to reflect the Additional Insured status must be attached to the certificate of insurance. The limit of liability of said policy or policies for general and automobile liability insurance shall not be less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate. Any deductible or Self-Insured Retention {SIR} over \$10,000 requires approval by the COUNTY.

Said policy or policies shall include a severability of interest or cross liability clause or equivalent wording. Said policy or policies shall contain a provision of the following form:

*"Such insurance as is afforded by this policy shall be primary and non-contributory to the full limits stated in the declarations, and if the COUNTY has other valid and collectible insurance for a loss covered by this policy, that other insurance shall be excess only."*

If the policy providing liability coverage is on a 'claims-made' form, the CONTRACTOR is required to maintain such coverage for a minimum of three years following completion of the performance or attempted performance of the provisions of this agreement. Such policy or policies shall provide and the Certificate of Insurance shall indicate that should the policy be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

3. Professional Liability Insurance. Professional liability insurance shall include coverage for the activities of CONTRACTOR's professional staff with a combined single limit of not less than \$1,000,000 per occurrence or claim and \$2,000,000 in the aggregate. Said policy or policies shall provide that COUNTY shall be given thirty (30) days written notice prior to cancellation, expiration of the policy, or reduction in coverage. If the policy providing professional liability coverage is a on 'claims-made' form, the CONTRACTOR is required to maintain such coverage for a minimum of three (3) years (ten years [10] for Construction Defect Claims) following completion of the performance or attempted performance of the provisions of this agreement.

CONTRACTOR shall submit to the office of the designated COUNTY representative certificate(s) of insurance documenting the required insurance as specified above prior to this Agreement becoming effective. COUNTY shall maintain current certificate(s) of insurance at all times in the office of the designated County representative as a condition precedent to any payment under this Agreement. Approval of insurance by COUNTY or acceptance of the certificate of insurance by COUNTY shall not relieve or decrease the extent to which the CONTRACTOR may be held responsible for payment of damages resulting from CONTRACTOR'S services of operation pursuant to the contract, nor shall it be deemed a waiver of COUNTY'S rights to insurance coverage hereunder.

In the event the CONTRACTOR is not able to comply with the COUNTY'S insurance requirements, COUNTY may, at their sole discretion and at the CONTRACTOR'S expense, provide compliant coverage.

The above insurance requirements are subject to periodic review by the COUNTY. The COUNTY's Risk Manager is authorized to change the above insurance requirements, with the concurrence of County Counsel, to include additional types of insurance coverage or higher coverage limits, provided that such change is reasonable based on changed risk of loss or in light of past claims against the COUNTY or inflation. This option may be exercised during any amendment of this Agreement that results in an increase in the nature of COUNTY's risk and such change of provisions will be in effect for the term of the amended Agreement. Such change pertaining to types of insurance coverage or higher coverage limits must be made by written amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of acceptance of the amendment or modification.

Contract Summary Form: Contract No. BC-12-116

Complete data below, print, obtain signature of authorized departmental representative, and submit this form (and attachments) to the Clerk of the Board (>\$100,000). If less than (<\$100,000) submit a Purchasing Requisition to the Purchasing Division of General Services. See "online purchasing manual" under General Services, Purchasing, Policies and Procedures. Form not applicable to revenue contracts.

- D1. Fiscal Year ..... : FY 2011-2012
  - D2. Budget Unit Number (plus -Ship/-Bill codes in paren's) : 053 (Department Number)
  - D3. Requisition Number ..... : N/A
  - D4. Department Name ..... : Planning & Development, Energy Division
  - D5. Contact Person ..... : Kathy Pfeifer
  - D6. Phone ..... : (805) 568-2507
- 

- K1. Contract Type (check one):  Personal Service  Capital Project/Construction
  - K2. Brief Summary of Contract Description/Purpose : Cuyama Solar and LUDC Amendment EIR
  - K3. Original Contract Amount ..... : \$239,271 (excluding 15% contingency of \$35,891)
  - K4. Contract Begin Date ..... : April 3, 2012
  - K5. Original Contract End Date ..... : July 1, 2013
  - K6. Amendment History (leave blank if no prior amendments):  

<u>Seq#</u>	<u>EffectiveDate</u>	<u>ThisAmndt</u>	<u>AmtCum</u>	<u>AmndtTo</u>	<u>DateNew</u>	<u>TotalAmt</u>	<u>NewEndDate</u>	<u>Purpose (2-4 words)</u>
			\$	\$		\$		
  - K7. Department Project Number ..... :
- 

- B1. Is this a Board Contract? (Yes/No) ..... : Yes
  - B2. Number of Workers Displaced (if any) ..... : None
  - B3. Number of Competitive Bids (if any) ..... : Five
  - B4. Lowest Bid Amount (if bid) ..... : \$146,470
  - B5. If Board waived bids, show Agenda Date ..... : N/A
  - B6. ... and Agenda Item Number ..... : N/A
  - B7. Boilerplate Contract Text Unaffected? (Yes / or cite ¶¶) : No: Three changes to Exhibit C: (1) First page, 5<sup>th</sup> paragraph, last sentence, deleted the word "certified" before the word "copy;" (2) Second page, 1<sup>st</sup> paragraph, 3<sup>rd</sup> sentence, deleted the words "be included under its policies or after the words "CONTRACTORS shall require all subcontractors to;" (3) Second page, 4<sup>th</sup> paragraph, replaced the last sentence with the following: Such policy or policies shall provide and the Certificate of Insurance shall indicate that should the policy be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.
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- F1. Encumbrance Transaction Code ..... : 1701
  - F2. Current Year Encumbrance Amount ..... : \$0
  - F3. Fund Number ..... : 0001
  - F4. Department Number ..... : 053
  - F5. Division Number (if applicable) ..... : 4395
  - F6. Account Number ..... : 7510
  - F7. Cost Center number (if applicable) ..... : N/A
  - F8. Payment Terms ..... : Net 30
- 

- V1. Vendor Numbers (A=uditor; P=urchasing) ..... : N/A
- V2. Payee/Contractor Name ..... : ICF Jones & Stoke, Inc.
- V3. Mailing Address ..... : 1 Ada Parkway, Suite 100
- V4. City State (two-letter) Zip (include +4 if known) : Irvine, CA 92618



- V5. Telephone Number .....: (949) 333-6625
- V6. Contractor's Federal Tax ID Number .....: 94-1730361
- V7. Contact Person .....: Chad Beckstrom
- V8. Workers Comp Insurance Expiration Date .....: 06/25/12
- V9. Liability Insurance Expiration Date[s] (*G=enl; P=rofl*): 06/25/2012
- V10. Professional License Number .....: #
- V11. Verified by (*name of County staff*) .....: N/A
- V12. Company Type (*Check one*):  Individual  Sole Proprietorship  Partnership  Corporation

**I certify:** information complete and accurate; designated funds available; required concurrences evidenced on signature page.

Date : Authorized Signature .....

