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MEMORANDUM

DATE: August 21, 2009

TO: Mike McGuirt, California Energy Commission
 Carrie Simmons, Bureau of Land Management

FROM: Frederick Lange, Ph.D./RPA, Senior Cultural Resources Manager, LSA Associates, Inc.

SUBJECT: Solar Two 25 Percent Stratified Random Sample for Follow-Up Site Visits (LSA Project No SSQ0802-T002)

The California Energy Commission (CEC) is requiring a follow-up site visit of 25 percent of the resources recorded by URS Corporation (URS) for the Solar Two Project. A total of 332 sites have been recorded. A 25 percent sample equates to 80.5 sites; thus, 81 sites were randomly selected. Per direction from the CEC, the sites are stratified according to the following:

- Landform;
- Site type; and
- Age.

The major geomorphic landforms present are:

- Inset Fans;
- Fan Piedmont;
- Fan Piedmont Remnant;
- Fan Aprons;
- Lake Basin; and
- Beach (remnant shoreline) Zone.

The sample is stratified to exhibit random selection within each landform type; however, because of the location of the APE on the landscape, the inset fans and beach zone landforms are under-represented in the sample. Prehistoric site type descriptions include lithic scatters, ceramic scatters, trails, and quarries. Historic site descriptions include refuse scatters, survey markers, and mining activities. The current site descriptions are general in nature; therefore, adequately stratifying the sample by site type is a challenge. Nonetheless, the three most common site types (lithic scatter, ceramic scatter, and historic refuse) are present in the two landforms that comprise most of the project (Fan Piedmont and Fan Apron). Likewise, the relative age for the prehistoric sites cannot be determined without the presence of diagnostic artifacts and the data for the recorded historic sites do not allow for more precision than the 20th century. The vast majority of the prehistoric sites are

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devoid of projectile points and ceramics; only 12 of the 81 sites in the 25 percent sample exhibit aboriginal ceramics.

The sites listed in the “Already Revisited” column in Table A, below, are sites that URS has already revisited as part of the ongoing 100 percent follow-up and meet the criteria above as part of a 25 percent sample. They do not need to be visited again. The column labeled “To Be Checked” contains a list of sites still to be revisited and field-verified.

In order to include a sample of prehistoric trails and sites along the proposed transmission corridor, a more directly intuitive selection process was used. Prehistoric trails occur primarily in the “Fan Piedmont” areas of the project, while the proposed transmission corridor alignment crosses multiple landforms.

The 25 percent sample does not include new sites that have recently been discovered. Due to a random selection of sites, some of the large complex sites with cremated human remains, such as DRK-1, are not part of the 25 percent sample.

Sites revisited with “cairns” need to employ a single standard that can be applied to all cairn sites in the project. This would include a more detailed explanation as to whether the various rock piles represent prehistoric cairns, historic mining claims, random rock stacking by campers and visitors, etc. Sites classified previously as surface quarries require more data and discussion in support of the reported quarry function.

Table A: Solar Two 25 Percent Stratified Random Sample for Follow-Up Site Visits

Site Number	Already Revisited	To Be Checked	Site Type	Age
FAN PIEDMONT (Primarily Erosional)				
(1) DRK-011	Yes		Lithic scatter	Prehistoric
(2) DRK-020	Yes		USGS marker	Historic
(3) DRK-023		Yes	Cairns	Historic
(4) DRK-032		Yes	Lithic scatter	Prehistoric
(5) DRK-045	Yes		Gravel mining	Historic
(6) DRK-047	Yes		Lithic scatter	Prehistoric
(7) EBR-010A	Yes		Ceramic scatter	Protohistoric
(8) EBR-020	Yes		Lithic scatter	Prehistoric
(9) EBR-023	Yes		Lithic scatter	Prehistoric
(10) EBR-065	Yes		Lithic scatter	Prehistoric
(11) EBR-070		Yes	Lithic scatter	Prehistoric
(12) EBR-072		Yes	Lithic scatter	Prehistoric
(13) EBR-079		Yes	Lithic scatter	Prehistoric
(14) EBR-080		Yes	Lithic scatter	Prehistoric
(15) EBR-083		Yes	Cairn	Unknown
(16) EBR-092		Yes	Historic refuse, rock cairn	20 th century
(17) JF-005		Yes	Lithic scatter	Prehistoric
(18) JF-006		Yes	Historic refuse, cairns	20 th century
(19) JFB-004	Yes		Lithic scatter	Prehistoric

Table A: Solar Two 25 Percent Stratified Random Sample for Follow-Up Site Visits

Site Number	Already Revisited	To Be Checked	Site Type	Age
(20) JFB-010	Yes		Historic scatter	20 th century
(21) JMR-004		Yes	Hearth/Pits	Prehistoric
(22) RAN-005		Yes	Survey marker	Historic
(23) RAN-006		Yes	Historic refuse	20 th century
(24) RAN-008		Yes	Benchmark	Historic
(25) RAN-012	Yes		Lithic and ceramic scatter	Prehistoric/ protohistoric
(26) RAN-015	Yes		Historic refuse	20 th century
(27) RAN-021		Yes	Lithic scatter	Prehistoric
(28) RAN-022		Yes	Historic refuse	20 th century
(29) RAN-024		Yes	Lithic scatter	Prehistoric
(30) RAN-025		Yes	Lithic scatter	Prehistoric
(31) RAN-034H		Yes	Historic refuse	20 th century
(32) RAN-424		Yes	Lithic scatter, ceramic scatter, hearths	Prehistoric/ protohistoric
(33) RANA-003	Yes		Bomb crater	Historic
(34) DRK-002	Yes		Lithic scatter	Prehistoric
(35) DRK-004		Yes	Multi-component lithic scatter and historic survey marker	Prehistoric/ Historic
FAN APRONS (Primarily Depositional)				
(36) EBR-001		Yes	Lithic scatter	Prehistoric
(37) EBR-005		Yes	Cairn	Unknown
(38) EBR-010		Yes	Lithic scatter, ceramic scatter, hearth(s), cremation	Prehistoric/ Protohistoric
(39) EBR-096		Yes	Lithic scatter	Prehistoric
(40) EBR-100		Yes	Lithic scatter	Prehistoric
(41) EBR-106		Yes	Lithic scatter	Prehistoric
(42) EBR-218		Yes	Lithic scatter	Prehistoric
(43) EBR-222		Yes	Hearth, pits, ceramic scatter	Prehistoric/ Protohistoric
(44) JM-001		Yes	Lithic scatter	Prehistoric
(45) JM-005		Yes	Lithic scatter	Prehistoric
(46) JM-008		Yes	Lithic scatter	Prehistoric
(47) JM-009		Yes	Lithic scatter	Prehistoric
(48) JM-020		Yes	Lithic scatter	Prehistoric
(49) JM-026		Yes	Lithic scatter	Prehistoric
(50) JM-042		Yes	Lithic scatter	Prehistoric
(51) LL-018		Yes	Lithic scatter	Prehistoric
(52) LL-022		Yes	Lithic scatter, ceramic scatter	Prehistoric/ protohistoric
(53) RAN-018		Yes	Aerial photo marker	20 th century
(54) RAN-052		Yes	Lithic scatter	Prehistoric

Table A: Solar Two 25 Percent Stratified Random Sample for Follow-Up Site Visits

Site Number	Already Revisited	To Be Checked	Site Type	Age
(55) RAN-057		Yes	Ceramic scatter	Protohistoric
FAN PIEDMONT REMNANT (Erosional)				
(56) JM-029		Yes	Lithic scatter	Prehistoric
(57) JM-030		Yes	Lithic scatter	Prehistoric
(58) JMR-008		Yes	Lithic scatter	Prehistoric
(59) JMR-012		Yes	Lithic scatter	Prehistoric
(60) LL-019		Yes	Lithic scatter	Prehistoric
(61) RAN-061		Yes	Lithic scatter	Prehistoric
(62) RAN-080		Yes	Lithic scatter	Prehistoric
(63) RAN-081		Yes	Lithic procurement, production	Prehistoric
(64) RAN-072		Yes	Lithic scatter	Prehistoric
ACTIVE RECENT WASH (Depositional and Erosional)				
(65) EBR-019		Yes	Open camp, lithic scatter, ceramic scatter, burial, hearth	Protohistoric
(66) LL-018		Yes	Lithic scatter	Prehistoric
LAKE BASIN (The shoreline suffers from sheet erosion, while the basin itself has a depositional environment)				
(67) DRK-139		Yes	Lithic scatter	Prehistoric
(68) DRK-140		Yes	Lithic scatter	Prehistoric
(69) DRK-141		Yes	Lithic scatter	Prehistoric
(70) JF-030		Yes	Historic refuse	20 th century
(71) LL-009		Yes	Lithic scatter/ceramic scatter	Prehistoric/ Protohistoric
TRANSMISSION LINE (Crosses multiple landforms)				
(72) RAN-412C		Yes	Lithic scatter/ceramic scatter	Prehistoric/ protohistoric
(73) RAN-412F		Yes	Lithic scatter/ceramic scatter	Prehistoric/ Protohistoric
(74) RAN-419		Yes	Lithic scatter/ceramic scatter/hearths	Prehistoric/ protohistoric
(75) RAN-426		Yes	Lithic scatter	Prehistoric
TRAILS (stable landforms except where washes have eroded indications of the trails)				
(76) T-03		Yes		Prehistoric
(77) T-09		Yes		Prehistoric
(78) T-16		Yes		Prehistoric
(79) T-27		Yes		Prehistoric
(80) T-28		Yes		Prehistoric
(81) T-35		Yes		Prehistoric