

**KINGMAN FIELD OFFICE SCOPING FORM**

DOI-BLM-AZ-C010-2013-0054-EA S:/BLMshare:/LANDS/UniSource/UNS Electric/AZA36396/DOI-BLM-AZ-C010-2013-0054-EA  
 NEPA Document Number . Document Location

**Land Description:**secs. 16, 17, T. 21 N., R. 17 W., G&SRM.

Applicant: UNS Electric

Authorization: Right-of-way

**INVOLVEMENT:** Indicate in the left column which disciplines need to provide information into the EA.

Needed Input (X)	Discipline	Signature
	Lands	
	Minerals	
X	Range	/s/ Don McClure 09/27/2013
	Wild Horse and Burro	
X	General Recreation	
X	Cultural and Paleontological Resources	/s/ Tim Watkins 09/27/2013
	Wilderness	
	Soils	
	Surface and Groundwater Quality/Water Rights	
	Air Quality	
X	Wildlife	/s/ Rebecca L. Peck 09/27/2013
X	Threatened and Endangered Plants and Animals	/s/ Rebecca L. Peck 09/27/2013
X	Migratory Birds	/s/ Rebecca L. Peck 09/27/2013
	Surface Protection	
	Hazardous Materials	
	Areas of Critical Environmental Concern	
X	Visual Resources	/s/ Len Marceau 09/27/2013
	Socio-Economics/Environmental Justice	
	General Botany/Noxious Weeds	
	Energy Policy	

Writer: /s/ Andy Whitefield

Date: 09/27/2013

Environmental Coordinator: /s/ Ramone B. McCoy

Date: 09/27/2013

Assistant Field Manager: /s/ Don McClure

Date: 09/27/2013

## ENVIRONMENTAL ASSESSMENT

**EA Number:** DOI-BLM-AZ-C010-2013-0054-EA

Lease/Serial Case File No. AZA 036396

Bureau of Land Management, Kingman Field Office

Proposed Action Title/Type: Right-of-Way

Location of Proposed Action: secs. 16, 17, T. 21 N., R. 17 W., G&SRM.

Applicant (if any): UNS Electric, Inc.

### CONFORMANCE WITH APPLICABLE LAND USE PLAN:

This proposed action is in conformance with the Kingman Resource Management Plan (KRMP) approved March 1995. Remarks: RMP Decision number and narrative: (INSERT all decisions that are applicable to the proposal)

Decision L13a/V states “All other minor rights-of-way would be evaluated through the environmental review process and granted or rejected on a case by case basis. Existing rights-of-way would be used when possible to minimize surface disturbance.” Comment: The powerline is within a right-of-way and the breaker at Coyote Pass is under a lease granted to UNS Electric, Inc.’s predecessor in interest while the land was owned by the State of Arizona or privately owned. The width of the right-of-way for the powerline is ten feet. A wider right-of-way would facilitate the rebuilding of the powerline.

The right-of-way would be within the one mile wide “Highway” utility corridor described on p. 66 of the KRMP as shown on map 14 (p. 68). P. 66 of the RMP notes this corridor is identified for both aerial and buried facilities. Although a 69 kV powerline is not considered a major utility, this size of powerline is part of electrical infrastructure that is compatible to exist within a utility corridor designated for aerial facilities.

### PURPOSE AND NEED FOR PROPOSED ACTION:

The purpose of the action is to respond to UNS Electric, Inc.’s (UNSE) request to construct, operate, maintain and terminate a powerline. The need for the action is established by the BLM’s responsibility to process applications for uses on Public Land (administered by the BLM) in accordance with the Federal Land Policy and Management Act of 1976, 90 Stat. 2776 (43 U.S. C. 1761-1771) and is reflected in Title 43, Code of Federal Regulations (CFR), Sections 2801- 2803.

### DESCRIPTION OF PROPOSED ACTION ALTERNATIVE

**Background** The powerline that is the subject of the proposed action was constructed in 1938 or 1939. Sec. 16 (Note: sections referenced herein are in T. 21 N., R. 17 W., G&SRM.) had been granted to the State of Arizona in 1917 and sec. 17 had been granted to the Santa Fe Pacific Railroad in 1922. In 1991 and in 2002 portions of sec. 17 affected by the powerline were reconveyed/acquired by the U.S., and in 2002 and 2003 portions of sec. 16 affected by the powerline were acquired by the U.S. The conveyance of title to sec. 16 was subject to a 10 foot wide right-of-way for the powerline and a lease for a breaker site and ingress/egress for access to the breaker. ADOT’s right-of-way/easement for Highway 93 within sec. 16, within which an associated powerline traverses on the north side of the highway, was excluded from the title to the land.

UNSE does not have a record of getting authorization to construct the powerline in sec. 17 from the railroad or its successors in interest. Although the maps which were the basis of approval for this powerline for the affected public lands note other lands that were owned by the railroad, no such notation was made for sec. 17.

Beginning in 2012 Western Area Power Administration (Western) began rebuilding its 69 kV Davis-Kingman subtransmission line which terminates in sec. 16 where it ties in with UNSE's powerline that is the subject of this EA. Western anticipates the rebuilding of this portion of its powerline to be complete by the spring of 2014. UNSE proposes to rebuild the subject powerline prior to Western's completion of rebuilding the Davis-Kingman subtransmission line.

**Proposed Action** The proposed action would be to grant UNS Electric, Inc. a right-of-way for aerial 69kV subtransmission and 20.8 kV under build powerlines, i.e. the 20.8 kV line would be mounted on the same poles, underneath the 69 kV line. The existing pole structures which are approx. 48 feet tall (installed height) would be replaced by approx. 65 – 75 foot tall self-weathering steel poles (installed height). The existing metering station, a new access road to the two poles that would be located immediately east of the Coyote Pass Breaker, and the ability for UNSE to access portions of the powerline via "cross country" west of the Monolith Garden Trailhead and west of the Coyote Pass Breaker would be included in the proposed right-of-way. Refer to Exhibits A through E for annotated aerial photos showing details of the proposed right-of-way. Except for those areas noted below, the width of the right-of-way area for the powerline would be 50 feet, with the powerline reconstructed along the proposed right-of-way's centerline. A 650 foot long portion of the right-of-way immediately west of the access for the Monolith Gardens area of the Cerbat Foothills Recreation Area would have a width of only 30 feet due to the proximity to the property boundary with ADOT. A 320 foot long portion of the right-of-way in the area of the "Coyote Breaker" would be 75 feet wide to encompass the breaker.

There are two places where guy anchors extend beyond the 50 foot width. The width of the right-of-way area for these would be 20 feet. The locations of these are approximately 325 feet west of the Coyote Breaker in the SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> of sec. 16, where the right-of-way area would be extended 13.63 feet from the 50 foot wide right-of-way to ADOT's property, and the other location is SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> of sec. 17 where the powerline turns to the north. In this location the guy anchor right-of-way areas would extend to the west and south 50 feet beyond the 50 foot wide right-of-way area.

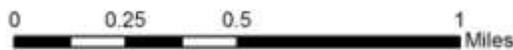
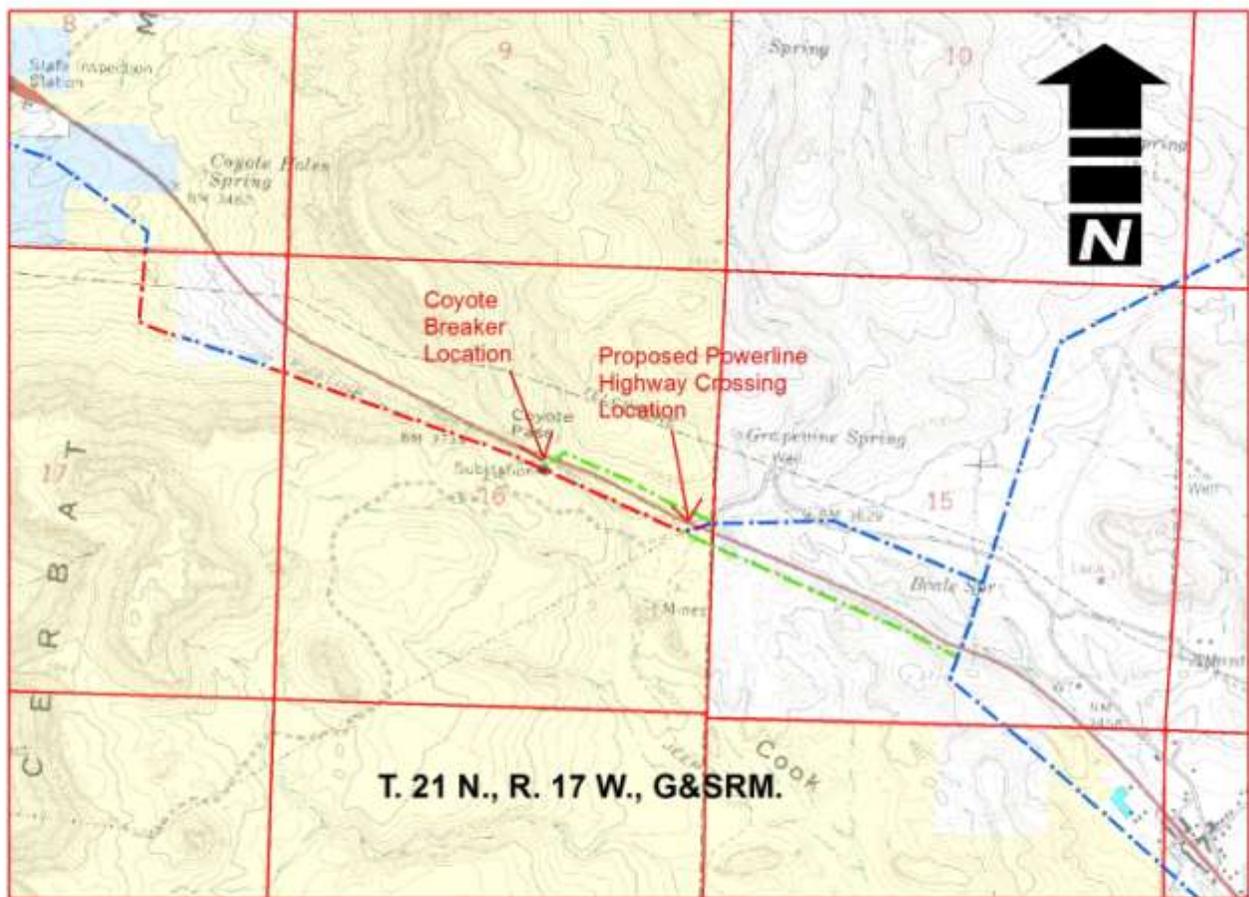
Access to the powerline would be via cross-country vehicle travel, and by the use of approx. 1,800 feet of existing roads. The proposed right-of-way would authorize approx. 425 feet of new road to access where a new pole structure would be placed. The existing and proposed roads are/would be approx. 12 feet wide.

The area affected by the proposed right-of-way would be 8.345 acres. Approx. 0.168 acres of the right-of-way would be relinquished upon the reclamation of approx. 610 feet of duplicate roads in sec. 17. It is anticipated this would occur in 2015 when UNSE plans to reconstruct that portion of powerline.

UNSE is considering moving the Coyote Breaker to non-Federal lands in the future. Should this happen it is likely approx. 350 feet of new road would be constructed under an amendment to this right-of-way, approx. 100 feet of which is disturbed by the breaker site, and approx.. 200 feet of road would be reclaimed, along with the reclamation of the breaker site. It would be likely UNSE would request the 25 feet in width for the breaker site be relinquished upon amendment for the new road and reclamation of the breaker area.

**Connected Actions** UNSE plans to reconfigure its powerlines in this area. Refer to the Map below for more details on this. As part of this approx. 1.1 mile of powerlines on both sides of Highway 93 would be removed. This is comprised of approx. 2,300 feet on the north side of the highway within ADOT's property in sec. 16 and approx. 3,600 feet on the south of the highway, approx. 400 feet of which is on BLM administered public lands in sec. 16, with the remainder in sec. 15 on private or city owned property. No ground disturbance on BLM administered public lands would result from this.

Due to a fiber optic line that is attached to the powerline on the north side of the highway the removal of this line would be done in stages. The electrical hardware would be removed and after a fiber optic line is routed through the pipeline formerly used by Black Mesa to transport coal slurry (Suddenlink holds a right-of-way for this, serial no. AZA 35917), the poles would be cut down and removed.



No warranty is made by the Bureau of Land Management for the use of the data for purposes not intended by the BLM.



The location of where the powerlines on the north and south of Highway 93 connect would be moved from the SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> of sec. 16 to near the section line common to secs. 15 and 16. From this new connection location approx. 3,600 feet of powerline extending to the southeast would be removed. Approx. 400 feet of this portion of powerline is on BLM administered public land.

UNSE and local contractors would construct and maintain the powerline.

**DESCRIPTION OF NO ACTION ALTERNATIVE**

Under the No Action Alternative the right-of-way would be denied.

**AFFECTED ENVIRONMENT/ENVIRONMENTAL IMPACTS:**

The affected environment was considered and analyzed by an interdisciplinary team as documented in the KFO Project Scoping Form found in the Administrative Record for this proposal. Resources of concern that are either not present in the project area or would not be impacted to a degree that requires detailed analysis will not be discussed here. Resources which could be impacted by the proposed action or alternatives are discussed below.

This section describes the existing conditions of the environment and expected impacts. The table below summarizes the resources reviewed for this project. Resources not present within the project study area, as well as those present and not affected, are not discussed. Those resources that have been identified by an interdisciplinary team as present and potentially affected are discussed further below.

PROJECT RESOURCE review			
Resources Considered	Not Present	Present and Not Affected	Present and/or Potentially Affected
Air Quality*	X		
Areas of Critical Environmental Concern*	X		
Cultural and Historic*			X
Environmental Justice* / Socioeconomics	X		
Floodplains*	X		
Grazing			X
Hazardous or Solid Waste*	X		
Invasive and Non-native Species*	X		
Land Use	X		
Migratory Birds*			X
Native American Religious Concerns*	X		

PROJECT RESOURCE review			
Resources Considered	Not Present	Present and Not Affected	Present and/or Potentially Affected
Prime and Unique Farmland*	X		
Threatened and Endangered Species or Critical Habitat*	X, No Affect		
Vegetation			X
Visual Resources		X	
Water Quality*	X		
Wetland or Riparian Zones*	X		
Wild and Scenic Rivers*	X		
Wilderness*	X		
Wildlife			X
* Consideration Required By Law or Executive Order			

### **Desert Tortoise Habitat/Biological Resources**

The Proposed Action is within desert tortoise Category 3 habitat. The vegetative community is dominated by creosote bush, flattop buckwheat, burro bush, and annual forbs and grasses. Under the Proposed Action approx. 1,770 feet of existing roads consisting of approx. 0.5 acres would be authorized for use in reconstructing and maintaining the powerline. Approx. 0.12 acres of new disturbance would be expected from the construction of approx. 425 feet of new road. If UNSE moves the Coyote Breaker as it anticipates approx. 0.25 acres would be reclaimed, however this would be partially offset by the construction of approx. 350 feet of new road affecting approx. 0.1 acres.

Approx. 600 feet of existing roads consisting of approx. 0.17 acres that are not needed would be reclaimed.

Overall, new disturbance expected under the proposed action would be offset by the reclamation of existing roads with a net benefit of 0.05 acres. If the Coyote Breaker is moved the reclaimed land would increase to approx. 0.21 acres, however, similar impacts to the area in which it would be relocated would be anticipated.

### **Cultural and Historic Resources**

The powerline is near an historic wagon road, believed to be the old road from Kingman and Beale Springs to Chloride. In order to remove one pole and install two poles east of the Coyote Breaker a road would be constructed to within 25 feet of the wagon road's centerline. Vehicles would cross the remnants of the wagon road, however as a term and condition no improvement, i.e. blading, would be permitted within the footprint of the wagon road. Therefore no impacts are anticipated from the Proposed Action to the wagon road.

## **Recreation and Visual Resource Management**

The affected environment is located within the Cerbat Foothills Recreation Area and is close to the trailhead for the Monolith Gardens hiking, mountain bike, and equestrian trail which is used extensively. The existing and proposed powerline parallels U.S. Highway 93. No impacts to recreation use of the area due to the powerline is anticipated.

The proposed right-of-way is designated for Category II Visual Resource Management (VRM). The goal for VRM II is to retain the characteristics of the landscape. This includes areas where changes in any of the basic elements (form, line, color or texture) caused by management activities should not be evident in the characteristic landscape.

Casual viewers in this area would be people recreating in the Monolith Gardens portion of the Cerbat Foothills Recreation Area and travelers on Highway 93. The proposed new powerline would be more visually intrusive due to the taller pole structures than the existing powerline. However, it is not anticipated this would be enough of a change to preclude the reconstruction of the powerline, especially since UNSE has existing rights and could rebuild it without further permitting by the BLM if necessary. It is also anticipated that by the removal of portions powerlines north and south of the Highway 93 would improve the visual quality of the trailhead area.

### **Impacts from the No Action Alternative**

Under the No Action Alternative UNSE would have to reconstruct, maintain, and operate its powerline and breaker within the limits of its existing right-of-way and lease area. The impacts of this would be similar to the impacts expected to result from the Proposed Action Alternative except the approx. 350 feet of proposed new road would not be constructed.

Although the historic wagon road became protected under Federal law upon the acquisition of the land, by operating under its existing rights, there would be a possibility that UNSE could impact the wagon road due to no protection measures specified in those rights.

### **Cumulative Impacts**

Cumulative impacts expected from the proposed action would be more reliable electricity for the Kingman area by the upgrade of the powerline and improved access.

### **DESCRIPTION OF MITIGATION MEASURES AND RESIDUAL IMPACTS:**

Refer to the draft right-of-way grant for terms and conditions that would reduce the impacts from the proposed replacement of the powerline.

**PERSONS/AGENCIES CONSULTED:**

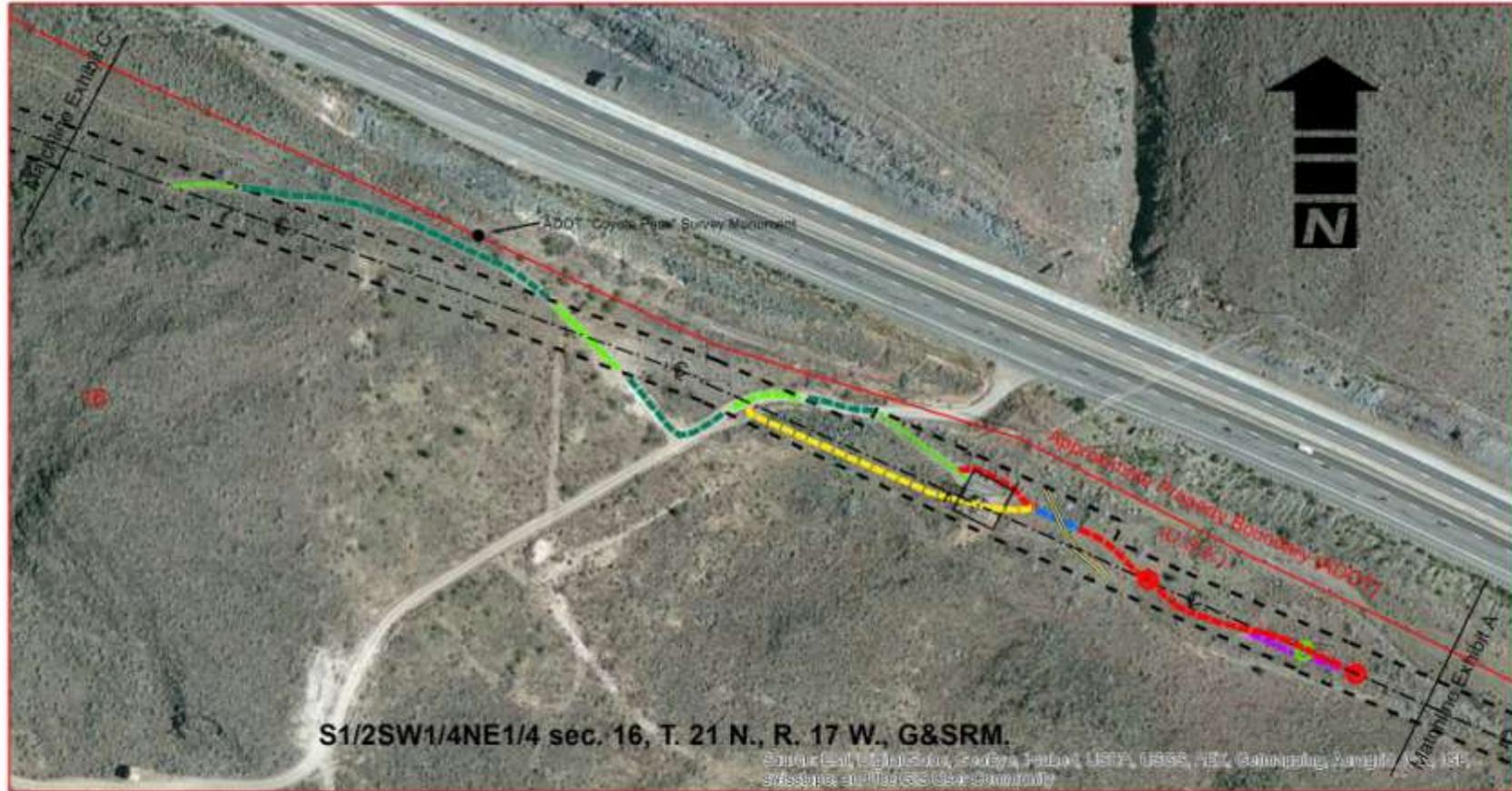
Preparer(s): Andy Whitefield, Environmental Protection Specialist  
Environmental Coordinator: Ramone McCoy, Natural Resource Specialist

Mike Gibelyou, Right-of-Way Specialist, UNSE  
Don McClure, Assistant Field Manager, Renewable Resources, BLM Kingman field Office  
Leonard Marceau, Outdoor Recreation Specialist, BLM Kingman field Office  
Rebecca Peck, Wildlife Biologist, BLM Kingman field Office  
Tim Watkins, Archaeologist, BLM Kingman field Office





DOI-BLM-AZ-C010-2013-0054-EA  
EXHIBIT B



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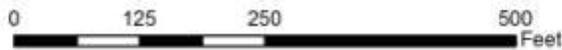
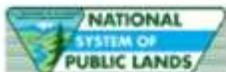
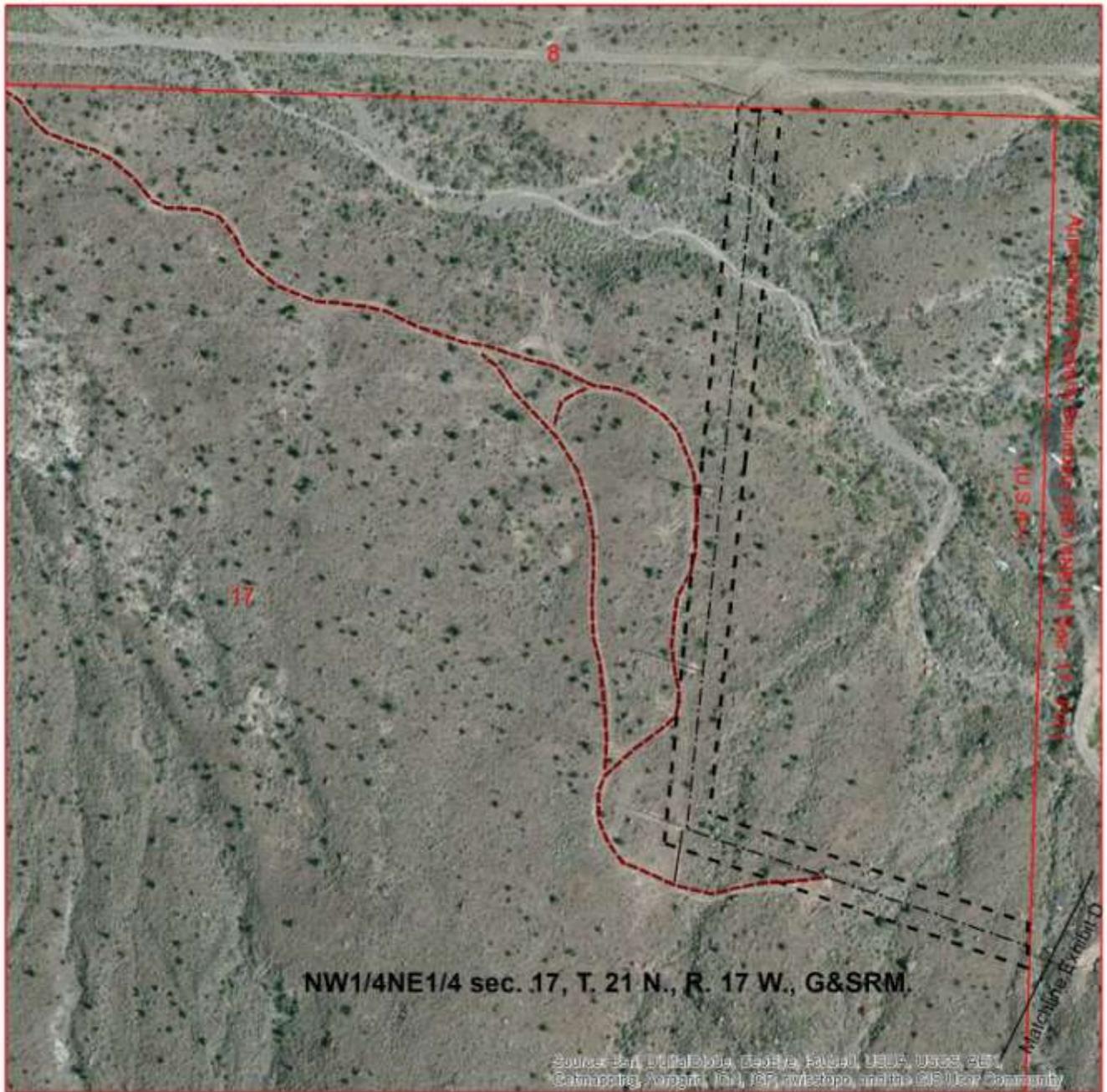


LEGEND		
- - -	Right-of-Way Boundary	Existing Access Road With Powerline/Metering Station Right-of-Way Area
—	Approx. Property Boundary	Existing Access Road Outside Powerline Right-of-Way Area Incorporated into This Right-of-Way
—	Approx. Centrelime of Wagon Road	New Access Road Authorized Under This Right-of-Way
⊙	Existing Structure to be Removed	Portion of Route Within Wagon Road Footprint No Improvement to be Made
⊙	New Structure Location	Temporary Access Road to be Used for Reconstruction
		Potential Future Access Roads (Conceptual - to be Authorized by Amendment)





DOI-BLM-AZ-C010-2013-0054-EA  
EXHIBIT E



No warranty is made by the Bureau of Land Management for the use of the data for purposes not intended by the BLM.

LEGEND	
	Powerline Right-of-Way Boundary - 50 ft. Width (25 ft. each side of c.)
	Existing Access Roads Authorized Under This Right-of-Way - Relinquishment of Duplicate Routes Will Be Required
	Approx. Property Boundary

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
RIGHT-OF-WAY GRANT/TEMPORARY USE PERMIT

SERIAL NUMBER AZA 036396

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1. A right-of-way is hereby granted pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761).

2. Nature of Interest:

a. By this instrument, the holder:

UNS Electric, Inc.  
P.O. Box 3099  
Kingman, Arizona 86402-3099

receives a right to construct, operate, maintain, and terminate 69 kV and 20.8 kV power lines, a breaker facility, and access roads on public lands (or Federal lands for MLA Rights-of-Way) described as follows:

Gila and Salt River Meridian, Arizona

T. 21 N., R. 17 W.,  
sec. 16, lots 2, 3, S $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ ,  
SE $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ .  
sec. 17, E $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ .

b. The right-of-way or permit width granted herein for the powerline is 50 feet wide, except for those portions in the aforementioned section 16 within the N $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  which is 30 feet wide as shown on Exhibit A and in the S $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , which is 75 feet wide as shown on Exhibit B, and except those areas affected by guy anchors extending 13.63 and 50 feet outside the 50 foot right-of-way width and more fully described in Exhibits G-1, G-2, and G-3, and except those area affected by roads outside of the areas described above aggregating 2,000 feet long and 12 feet wide. The right-of-way or permit length granted herein is 7,130.39 feet long and, including those additional areas described above for the breaker facility, guy anchors, and access roads the right-of-way area contains 8.141 acres, more or less.

- c. This instrument will terminate on December 31, 2042 unless, prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.
- d. This instrument may be renewed. If renewed, the right-of-way or permit shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the authorized officer deems necessary to protect the public interest.
- e. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management fair market value rental as determined by the authorized officer unless specifically exempted from such payment by regulation. Provided, however, that the rental may be adjusted by the authorized officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices.

4. Terms and Conditions:

- a. This grant or permit is issued subject to the holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations parts 2800 and 2880.
- b. Upon grant termination by the authorized officer, all improvements shall be removed from the public lands within 90 days, or otherwise dispose of as directed by the authorized officer.
- c. Each grant issued for a term of 20 years or more shall, at a minimum, be reviewed by the authorized officer at the end of the 20th year and at regular intervals thereafter not to exceed 10 years. Provided, however, that a right-of-way or permit granted herein may be reviewed at any time deemed necessary by the authorized officer.

- d. The stipulations, plans, maps, or designs set forth in Exhibit(s) A, B, C, D, E, F, G, and H dated September 16, 2013 attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.
- e. Failure of the holder to comply with applicable law or any provision of this right-of-way grant or permit shall constitute grounds for suspension or termination thereof.
- f. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant or permit.

\_\_\_\_\_  
(Signature of Holder)

\_\_\_\_\_  
(Signature of Authorized  
Officer)

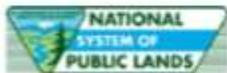
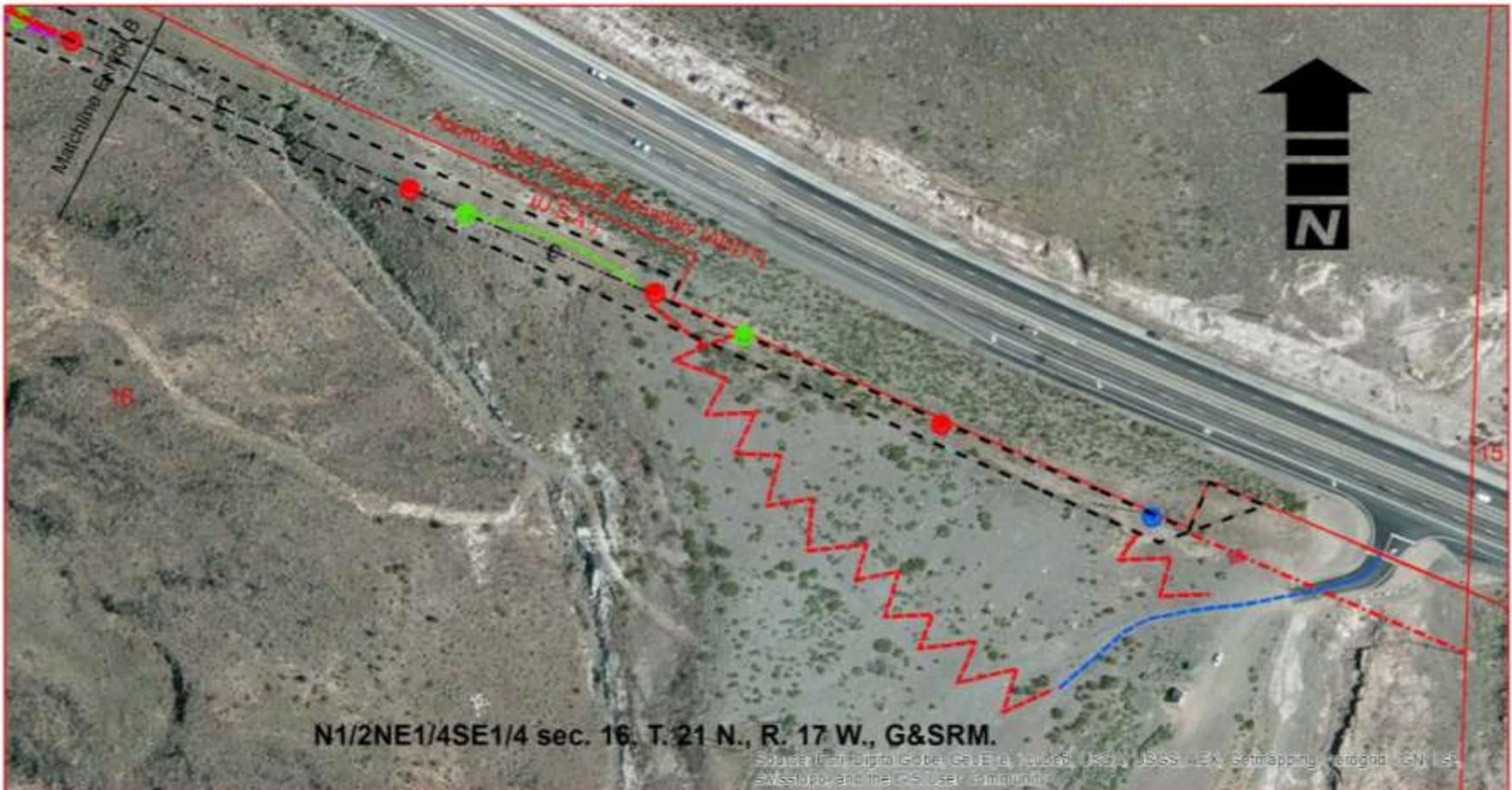
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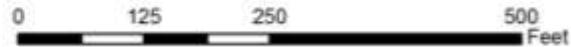
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(Date)

\_\_\_\_\_  
(Effective Date of Grant)

EXHIBIT A  
 AZA 036396  
 September 16, 2013

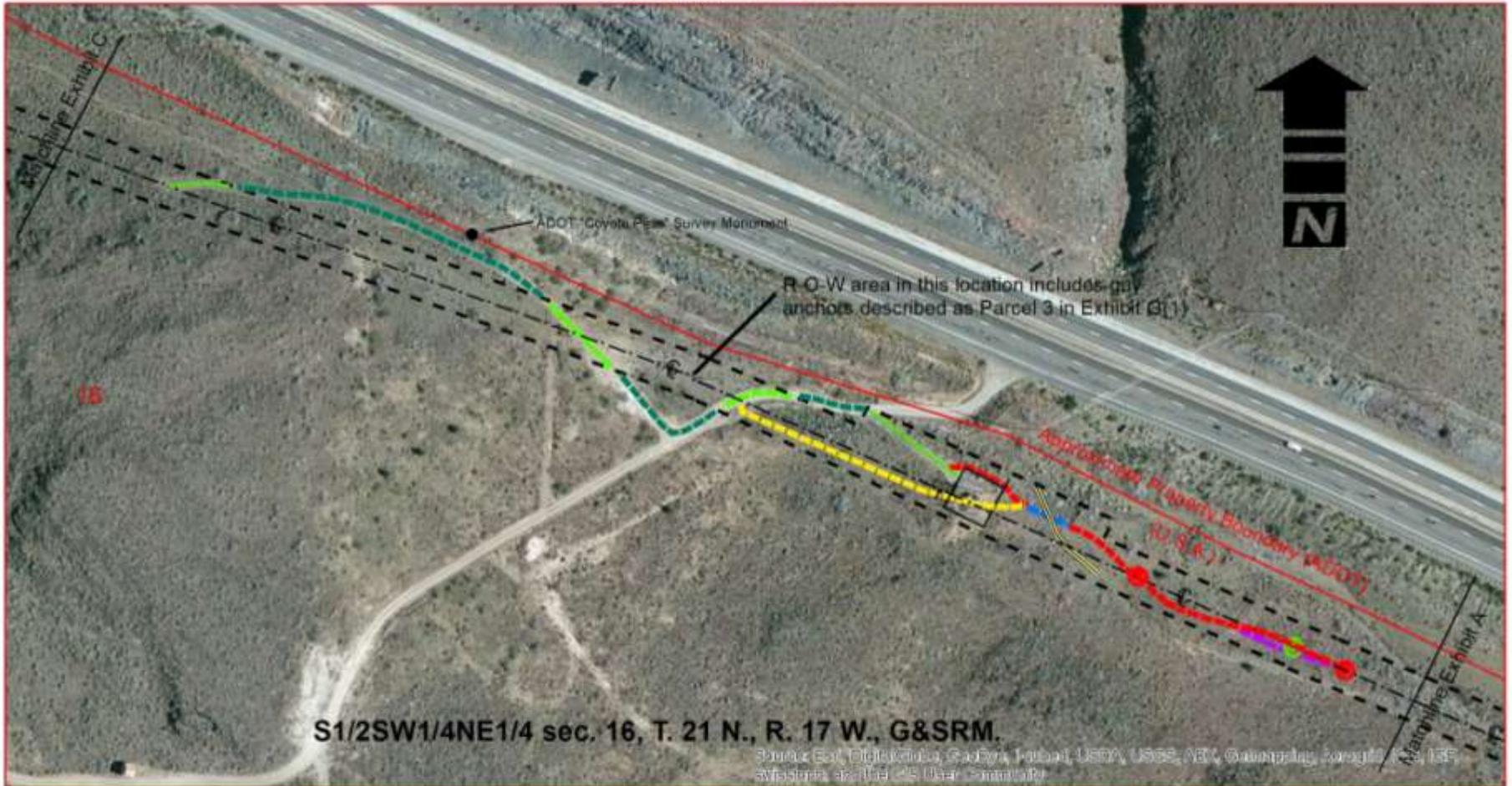


No warranty is made by the Bureau of Land Management for the use of the data for purposes not intended by the BLM.



LEGEND	
	Powerline Right-of-Way Boundary
	Existing Structure to be Removed
	New Structure Location
	Location Where Existing Structure Replaced with New Structure
	Portion of Powerline to be Removed
	Existing Access Road Within Right-of-Way Area
	Existing Access Road No Maintenance Authorized (BLM to Maintain)
	Cross Country (Undefined) Vehicle Access Authorized Under the Right-of-Way
	Approx. Property Boundary

EXHIBIT B  
 AZA 036396  
 September 16, 2013

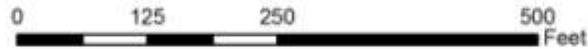


S1/2SW1/4NE1/4 sec. 16, T. 21 N., R. 17 W., G&SRM.

Source: East Digital/Global, Cadastre, Federal USGS, USGS, NED, Geospatial Research, USGS, and the USGS Office of Research and Development



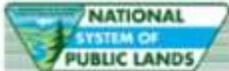
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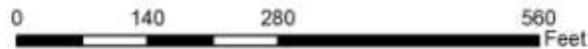
LEGEND		
- - -	Right-of-Way Boundary	Existing Access Road Within Powerline/Metering Station Right-of-Way Area
---	Approx. Property Boundary	Existing Access Road Outside Powerline Right-of-Way Area Incorporated into This Right-of-Way
---	Approx. Centerline of Wagon Road	New Access Road Authorized Under This Right-of-Way
○	Existing Structure to be Removed	Portion of Route Within Wagon Road Footprint No Improvement to be Made
●	New Structure Location	Temporary Access Road to be Used for Reconstruction
		Potential Future Access Roads (Conceptual - to be Authorized by Amendment)



EXHIBIT C  
AZA 036396  
September 16, 2013



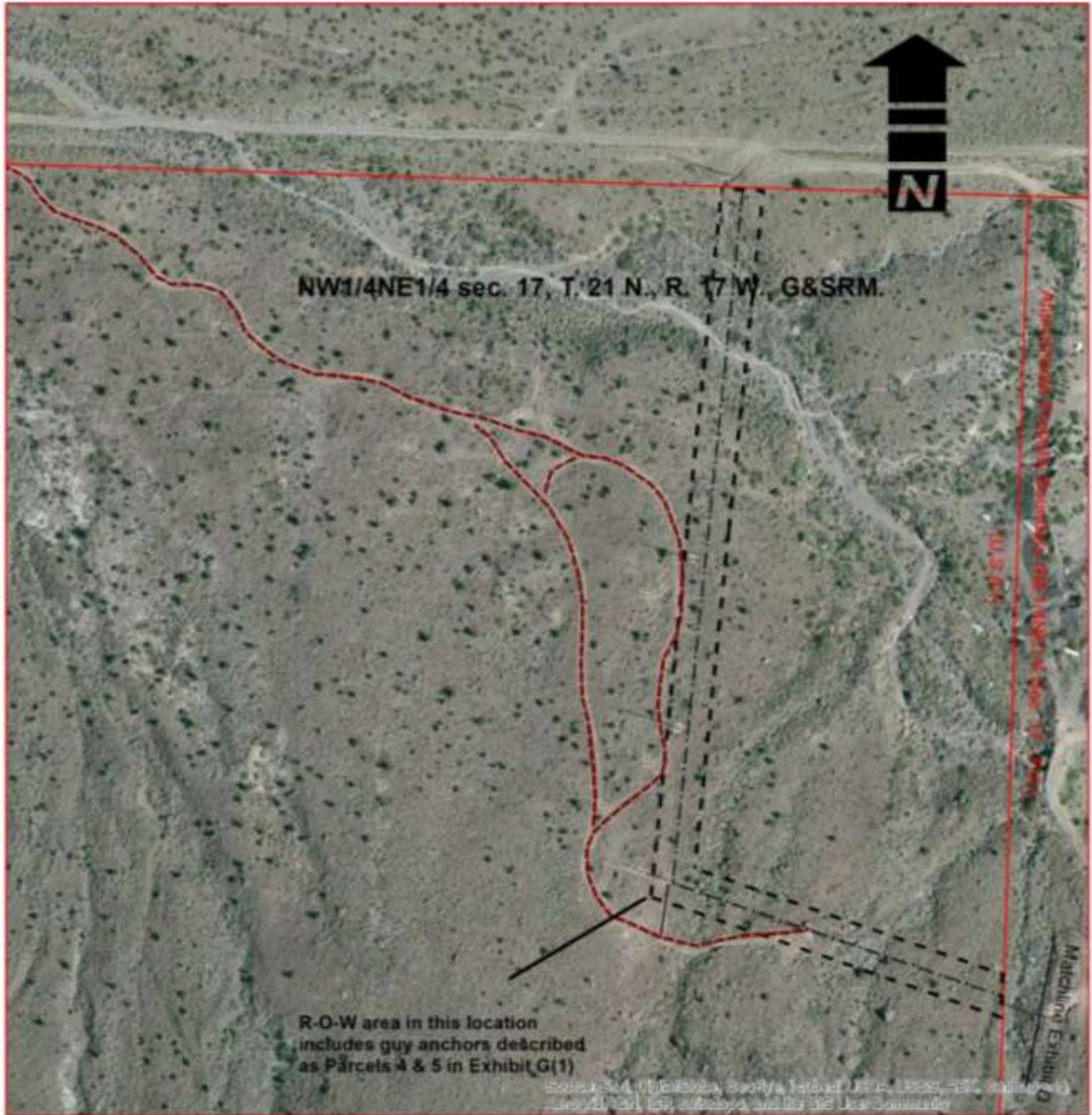
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LEGEND	
---	Powerline Right-of-Way Boundary
---	Approx. Property Boundary



EXHIBIT E  
 AZA 036396  
 September 16, 2013



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**AZA 036396**  
**Exhibit F**  
**September 16, 2013**

1. Except as stipulated below, construction activities, including reconstruction of the powerline, will be limited to the period of September 1 through February 28 to avoid disruption to migratory birds during their breeding season. If the holder wishes to perform construction activities during March 1 through August 31, the holder would be required to request from the authorized officer a Notice to Proceed after having a survey conducted to the specifications of the authorized officer to determine if impacts to migratory birds would be anticipated. No construction activities would be permitted during the breeding season until the authorized officer has issued a Notice to Proceed after a finding that no migratory birds are nesting within the vicinity of this right-of-way.
2. The Holder will re-construct, operate, maintain, and terminate the powerline and construct roads strict conformity with the approved Plan of Development, as made part of Right-of-Way AZA 036396 as Exhibit G of this right-of-way, except for the changes noted in the right-of-way dimensions shown on Exhibits A, B, and E. Any relocation, additional construction, or use that is not in accord with the approved plan of development and/or stipulations of this right-of-way will not be initiated without the prior written approval of the Authorized Officer. A copy of the complete right-of-way grant, as amended, including all stipulations, will be kept on site during construction activities authorized under this right-of-way. Noncompliance with the above will be grounds for an immediate temporary suspension of activities if it constitutes a threat to public health and safety or the environment.
3. If any desert tortoise are observed in this right-of-way during construction or maintenance activities or while accessing the facilities authorized herein they will be handled in accordance with the protocol of the Guidelines for Handling Desert Tortoise Encountered On Roads and Vehicle Ways as described in Exhibit H of this right-of-way.
4. The Holder will not alter the surface within 25 feet of the centerline of the historic wagon trail shown on Exhibit B of this right-of-way.
5. Cross country vehicular access is permitted for that portion of the powerline as noted in Exhibit A and for the portion northwest of the Coyote Breaker where no road access is provided. After vehicle access tracks are to be raked out and/or paths used by vehicles will be obliterated to the satisfaction of the authorized officer.
6. Access roads are to be maintained at a maximum width of 12 feet.
7. This amendment is subject to prior rights. The Holder is responsible for coordinating with rights-of-way holders for activities which could affect their rights/facilities.

8. The Holder will conduct all activities associated with the construction, operation, maintenance, and termination of the right-of-way within the authorized limits of the right-of-way.

9. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment. If such equipment creates ruts in excess of six inches deep, the soil will be deemed too wet to adequately support construction equipment.

10. **DISCOVERY OF CULTURAL RESOURCES IN THE ABSENCE OF MONITORING:** If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to BLM District Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, BLM will evaluate the significance of the discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is successfully completed. Failure to notify BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

11. The Holder will minimize disturbance to existing fences and other improvements on public land. The Holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. Holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence will be sufficiently braced prior to cutting the fence.

12. The Holder is to restrict access to the road authorized under this right-of-way that is directly southeast of the Coyote Breaker. The gate which is to be installed adjacent to the Coyote Breaker will be a solid swinging gate, as opposed to a wire gate and this gate is to remain closed to prevent livestock from access to State Route 93. Access is to be restricted to the Holder, its contractors, and other parties requiring access in constructing, operating, maintaining, and terminating the facilities authorized under this right-of-way. Access is to also include BLM personnel, its permittees, agents, or assigns and the Holder will furnish a key to the BLM.

13. Project features that might trap wildlife such as open trenches, pits, open pipes, etc., will be covered overnight or modified to prevent entrapment of wildlife.

13. Unless otherwise agreed to by the Authorized Officer in writing, powerlines shall be constructed in accordance to standards outlined in "Suggested Practices for Raptor Protection on Powerlines," Raptor Research Foundation, Inc., 2006. The Holder shall assume the burden and expense of proving that pole designs not shown in the above publication are "eagle safe." Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modifications or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the Holder without liability or expense to the United States.

14. By the end of 2015, the BLM will require roads that are in the NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> of section 17, T. 21 N., R. 17 W., G&SRM. that are not needed for the construction, operation and maintenance of the powerline to be reclaimed. The BLM and the Holder will meet to discuss which roads will be reclaimed. Reclamation will be by obliterating berms, ripping to a depth of at least 12 inches, and seeding with creosote bush seed (*Larrea tridentata*) at a rate of ½ lb. pure live seed per acre.

15. No pets (e.g., dogs) will be allowed on construction site.

16. The Holder will remove only the minimum amount of vegetation necessary for the construction and maintenance of the road.

17. All viable cacti, yucca, nolina (beargrass) ocotillo, agave, or other state protected plants on public lands will be avoided where possible. Where they cannot be avoided the holder will transplant them on public lands within this ROW. Yucca, nolina, and agave plants will be transplanted, the same day that they are uprooted. Cacti may be stockpiled for up to 2 weeks and replanted. Where practical these plants will be used to reclaim areas disturbed by construction activities.

18. Construction sites will be maintained in a sanitary condition at all times; waste materials at those sites will be disposed of promptly at an appropriate waste disposal site. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment. Holder will maintain the right-of-way area in a safe, usable condition, as directed by the authorized officer. Porta-potty areas will be kept in a sanitary condition and cleaning and maintenance must be in conformance with standard waste company procedures.

19. The holder will protect all survey monuments. Survey monuments include, but are not limited to, General Land Office and Bureau of Land Management Cadastral Survey corners, reference corners, witness points, U.S. Coastal and Geodetic benchmarks and triangulation stations, military control monuments and civil (both public and private) survey monuments. In the event of obliteration or disturbance of any of these by the holder or anyone operating on his behalf, the holder will immediately report the incident to the authorized officer and the respective installing agency (if known) in writing. The holder will be responsible for the restoration of the monument(s) in a manner suitable to the authorized officer after consultation with all parties involved. If Bureau cadastral or other Federal surveyors are used to restore the monument(s), the holder will be liable to the United States for the costs.

20. Use of pesticides will comply with the applicable Federal and state laws. Pesticides will be used only in accordance with their registered uses and within limitations imposed by the Secretary of the Interior. Prior to the use of pesticides, the Holder will obtain from the Authorized Officer written approval of a plan showing the type and quantity of material to be used, pests(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary by the Authorized Officer. Emergency use of pesticides shall be approved in writing by the Authorized Officer prior to such use.

21. No hazardous material, substance, or hazardous waste, (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 US Code § 9601, et seq., or the Resource Conservation and Recovery Act, 42 US Code § 6901, et seq.) will be used, produced, transported, released, disposed of, or stored within the right-of-way area at any time by the Holder. The Holder will immediately report any release of hazardous substances (leaks, spills, etc.) caused by the Holder or third parties in excess of the reportable quantity as required by federal, state, or local laws and regulations. A copy of any report required or requested by any federal, state or local government agency as a result of a reportable release or spill of any hazardous substances will be furnished to the Authorized Officer concurrent with the filing of the reports to the involved federal, state or local government agency.

22. The Holder will immediately notify the Authorized Officer of any release of hazardous substances, toxic substances, or hazardous waste on or near the right-of-way potentially affecting the right-of-way of which the Holder is aware.

23. As required by law, the Holder will have responsibility for and will take all action(s) necessary to fully remediate and address the hazardous substance(s) on or emanating from the right-of-way.

24. The holder shall comply with all State and Federal laws applicable to the authorized use and such additional State and Federal laws, along with the implementing regulations, that may be enacted and issued during the term of the grant.

B. TERMINATION

1. Ninety days prior to termination of the right-of-way, Holder will contact the Authorized Officer to arrange a joint inspection of the right-of-way. This inspection will be held to agree to an acceptable termination (and rehabilitation) plan. This plan will include, but is not limited to, removal of facilities, drainage structures, or surfacing material, re-contouring, and seeding. The Authorized Officer must approve the plan in writing prior to the Holder's commencement of any termination actions.

AZA 036396  
EXHIBIT G  
PLAN OF DEVELOPMENT  
UNS ELECTRIC, INC. (UNSE)  
69KV & 20.8KV LINE - New permit  
SEPTEMBER 16, 2013

1. Purpose and Need for Right-of-Way

The Applicant, UNS Electric, Inc. (UNSE) is seeking to acquire a right of way to widen/overlay an existing right of way for a 69kV sub-transmission line with a 20.8kV single phase distribution line under built on Federal Lands in the west Kingman – Coyote Pass area of Mohave County, Arizona. The existing right of way in Section 16 – AZPHX-078948 – is only ten feet wide and the affected public lands in Section 17 appear to have no documented right of way for the existing line. UNSE seeks a new 50 foot wide right of way and access roads to correct these issues. There is a new UNSE construction project for tying in with Western Area Power Administration’s 69kV rebuild that is the causation for this examination of existing land rights and this new application.

2. Location

- a. The power line route will be located on public land identified as T. 21 N., R. 17 W., Sections 16 and 17. Private lands affected are the NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> in said Section 17.

3. Design Factors

- a. The right of way for the line is 8167.53 feet in length and 50 feet in width, 25 feet on each side of the route centerline. 7180.39 feet will be on BLM lands and 987.14 feet will be on private land. The legal description for the route is delineated in Exhibit G-1 and depicted on Exhibits G-2 & G-3. The guy anchor assemblies are two at 75 feet and one at 38.63 feet in length and 20 feet in width, contributing 188.63 feet to the project. Total affected Federal lands are 8.29 acres.
- b. Some of the poles in Section 16 and 17 are original poles from 1938. These poles are 55 foot class 1 wood poles with 7.5 feet in the ground for a net height of 47.5 feet. These poles will eventually be replaced with taller structures (75 – 80 feet) and heavier conductor.
- c. The existing transmission line consists of three 1/0 copper wires and one 3/8 inch stranded steel static wire. Three conductors and one static. This conductor will be replaced in the next few years with heavier gauge and higher capacity wire. [See item 3i for details.]
- d. The existing 12.47kV distribution line consists of two wires. Both #2ACSR conductor. This line will be replaced with a three phase, heavier conductor line in the future. [See item 3h for details.]

- e. The newer 69kV sub-transmission line consists of 75, 80, and 90 foot, wood and self-weathering steel poles, with 12-15 feet in ground for net heights of 62.5, 64.5, and 74.5 feet respectively. Pole height is based on terrain considerations. Spans between poles are approximately 300 feet and there will be 20 poles on Federal Lands and there are 3 poles on private land. There will be 3 sets of guy anchor assemblies at 2 angle points.
- f. There will be 4 sets of temporary guy anchors on a pole east of the Coyote Breaker site. This is to hold the larger conductor stable until the breaker site is removed in the next few years. Once heavier conductor is extended to the west these anchors will be removed.
- g. The 20.8kV distribution line will be under built on the 69kV structures.
- h. Non-specular conductor will be used on the 20.8kV line. The upgraded distribution line conductor will consist of three 0.858 inch diameter 559AAAC [All Aluminum Alloy Conductor] wires and one 0.563 inch diameter 4/0 ACSR [Aluminum Core – Steel Reinforced] neutral wire.
- i. Non-specular conductor will be used on the 69kV line. The upgraded transmission line conductor will consist of three 0.858 inch diameter 477ACSS [Aluminum Conductor Steel Supported] wires and one 0.502 inch diameter 48 fiber OPGW [Optical Ground Wire] as the neutral.
- j. The line will be designed to be raptor protected as shown in the attached engineering standard drawings.
- k. No welding, concrete work or grading will be expected on Federal Lands in order to construct the line.
- l. Adjustments in existing fencing, a permanent concrete foundation for a self supporting pole structure, and some road building will be expected on Federal Lands in order to construct the line. Portions of the pole line will be constructed using existing bladed roads and overland travel except for access to the two proposed poles east of the Coyote Breaker site described below under item 4c.
- m. Soils and geology in the area are suitable for placement of the site and power line.

#### 4. Additional Components

- a. There are plans to relocate the existing Coyote Breaker site onto private or Arizona State Trust Lands in the next 2-5 years. Once the site is relocated small boulders from the surrounds will be moved onto the site for remediation. A path along the power line will remain clear. The existing paved highway access for the breaker site will remain as access for the power line.

- b. No storage areas are anticipated on Federal land. Poles will be laid out within the right of way.
- c. Because of the existence of an historic wagon trail and varied terrain there is a need for a new bladed road to two pole locations in Section 16, lying east of the breaker site. The road will typically be 12 foot in width. Where the road crosses the wagon trail no blading will occur within 25 feet either side of the trail centerline. Vehicles will drive overland across this portion of the trail. Some large rocks and boulders will be shifted out of the right of way to accommodate vehicular travel. This proposed road has a length of approximately 468 feet. There are existing dirt roads, trails and overland access to the remainder of structures on Federal lands. Note: There will a temporary bend to the north in the road to go around an existing H-structure. Once the H-structure is removed in favor of a new structure, the road will be realigned to go through the site of the removed structure and increase the distance between the wagon trail and the proposed road. After the road is realigned UNSE will meet with the BLM to discuss measures to reclaim the temporary alignment to the satisfaction of the BLM Authorized Officer.
- d. UNSE will need to create a gate in the BLM property fence on the north side of the existing Coyote Breaker site for the aforementioned permanent road access to two of the proposed pole structures. Note: This barbed wire fence was placed when the parcel on which the breaker site exists was private property. See attached graphic for old parcel boundary line. The 16 foot width gate will meet BLM specifications.
- e. UNSE has an easement for the line on private land in Section 17. This document is recorded in Book 3172, Official Records, Page 247, Mohave County Recorder.

##### 5. Government Agencies Involved

- a. None.

##### 6. Construction of Facilities

- a. Once the permit has been acquired, the job will be released to construction. The new power line construction process will take approximately one month. A digger truck will be used to auger the holes, 12-15 feet deep and 24 inches in diameter. The holes will be covered by a wood platform (ends from empty conductor reels) until the poles are placed in them. A line crew will attach the necessary hardware to the pole tops. The poles are then placed in the holes and the holes are backfilled with the dirt removed and tamped. The conductor wires will be strung and tensioned. Once all the poles are placed a connection will be made at junction points on the existing line. The construction vehicles will be driving overland and some vegetation will be disturbed. Vegetation such as various types of cactus will be avoided where possible and

transplanted if avoidance is not feasible. Cactus in the path of the new road will be relocated.

- b. UNSE construction crews adhere to all applicable OSHA standards. This includes personal protective equipment [PPE] and equipment operation. Documented tailboard meetings are held daily before any construction is commenced and when new personnel arrive at the work site to discuss aspects of the project and review hazards and any mitigation and safety concerns about individual tasks.
- c. Disposal of all liquid or solid waste produced during operation on this right-of-way shall be in an approved manner so it will not impact the air, soil, water, vegetation, and animals. Construction sites shall be maintained in a sanitary condition at all times; waste materials at those sites shall be disposed of promptly at an appropriate waste disposal site. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment.
- d. UNSE shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, Holder(s) shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, et seq.) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act of 1980, Section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release of spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved Federal agency or State government.

## 7. Resource Values and Environmental Concerns

- a. It is anticipated a biological evaluation and a cultural survey, if deemed necessary, will be done by BLM personnel.
- b. If during construction any previously unidentified historic or prehistoric cultural resources are found, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to the BLM Area Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery, and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural

resources consultant may be required of the operator prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

8. Stabilization and Rehabilitation

Disturbed areas around the poles and guy anchor assemblies will be raked and scarified to allow natural seeding to occur.

9. Operation and Maintenance

A service truck will be dispatched to investigate outages on an as-needed basis. Typically to determine the cause of a line outage if such occurs.

10. Termination and Restoration

Upon termination of the right-of-way, all improvements will be removed within ninety (90) days. Disturbed areas will be ripped to a depth of 2” to promote natural seeding.

UNSE acknowledges that in the event that the public land underlying the right-of-way (ROW) encompassed in this grant, or a portion thereof, is conveyed out of Federal ownership and administration of the ROW or the land underlying the ROW is not being reserved to the United States in the patent/deed and/or the ROW is not within a ROW corridor being reserved to the United States in the patent/deed, the United States waives any right it has to administer the right-of-way, or portion thereof, within the conveyed land under Federal laws, statutes, and regulations, including the regulations at 43 CFR Part 2800, including any rights to have the holder apply to BLM for amendments, modifications, or assignments and for BLM to approve or recognize such amendments, modifications, or assignments. At the time of conveyance, the patentee/grantee, and their successors and assigns, shall succeed to the interests of the United States in all matters relating to the right-of-way, or portion thereof, within the conveyed land and shall be subject to applicable State and local government laws, statutes, and ordinances. After conveyance, any disputes concerning compliance with the use and the terms and conditions of the ROW shall be considered a civil matter between the patentee/grantee and the ROW Holder.

UNS Electric, Inc.  
BLM Permit Application  
*EXHIBIT G-1*

Portions of Sections 16 and 17, Township 21 North, Range 17 West of the Gila and Salt River Meridian, Mohave County Arizona being a strip of land 50 feet in width lying 25 on each side of the following described center lines.

PARCEL 1:

Beginning at a point in the East line of said Section 16, from which point the West  $\frac{1}{4}$  corner for Section 15, Township 21 North, Range 17 West of the Gila and Salt River Meridian, an aluminum cap R.L.S 15341 Bears: North 00 Degrees 27 Minutes 29 Seconds East, 306.35 feet and the Amended Southeast Closing Corner for said Section 16 Bears South 00 degrees 27 Minutes 29 Seconds West, 2253.03 feet (basis of bearings is Grid North Arizona State Plane Coordinate system, West Zone and distances are ground, to compute grid distances multiply by: 0.99978304);

Thence South 72 Degrees 24 Minutes 18 Seconds West for 377.20 feet to P.I. No.1;

Thence North 67 Degrees 43 Minutes 14 Seconds West for 2178.17 feet to P.I. No.2;

Thence North 71 Degrees 48 Minutes 18 Seconds West for 2899.94 feet to a point in the West line of said Section 16;

Thence continuing North 71 Degrees 48 Minutes 18 Seconds West for 403.13 feet to P.I. No. 3, a point in the South line of the Northeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of Section 17 aforementioned being the Point of Terminus of Parcel 1 from which the Southeast corner thereof Bears South Degrees 49 Minutes 06 Seconds East 383.48 feet and the Southwest corner thereof Bears North 89 Degrees 49 Minutes 06 Seconds West 938.51 feet.

It Is Intended that the side lines of said strip be extended or shortened so as to terminate in the east line of said Section 16 and the South line of the aforesaid Northeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of Section 17.

PARCEL 2:

Commencing at P.I. No. 3 being a point in the South line of the Northeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of Section 17 aforementioned as described in the description for Parcel 1; Thence North 71 Degrees 48 Minutes 18 Seconds West for 987.14 feet to a point in the West line of said Northeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  and the Point of Beginning;

Thence North 71 Degrees 48 Minutes 18 Seconds West for 449.44 feet to P.I. No. 4;

Thence North 02 Degrees 46 Minutes 28 Seconds East for 872.51 feet to the Point of Terminus of Parcel 2 being a point in the North line of said Section 17 from which the North  $\frac{1}{4}$  corner thereof Bears North 89 Degrees 49 Minutes 32 Seconds West 937.14 feet and the Northeast

corner thereof Bears South 89 Degrees 49 Minutes 32 Seconds East 1711.35 feet.

It is intended that the side lines of said strip be extended or shortened so as to terminate in the aforesaid West line of Northeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of Section 17 and the North line of said Section 17.

GUYING EASEMENTS being 20 feet in width whose centerlines are more particularly described as follows:

PARCEL3:

Beginning at P.I. NO. 2 as described above in Parcel 1;  
Thence North 20 Degrees 12 Minutes 19 Seconds East for 38.63 feet more or less to a point in the Southerly Right of Way line for U.S. Highway 93 being the beginning of an Arizona Department of Transportation Permit No. 1209344 dated April 18, 2012 for down-guys.

It is intended that the side lines of said strip be extended or shortened so as to terminate in the aforesaid Southerly Right of Way line.

PARCEL4:

Beginning at P.I. No. 4 as described above in Parcel 2;  
Thence North 71 Degrees 48 Minutes 18 Seconds West for 75.00 feet to the point of terminus.

PARCELS:

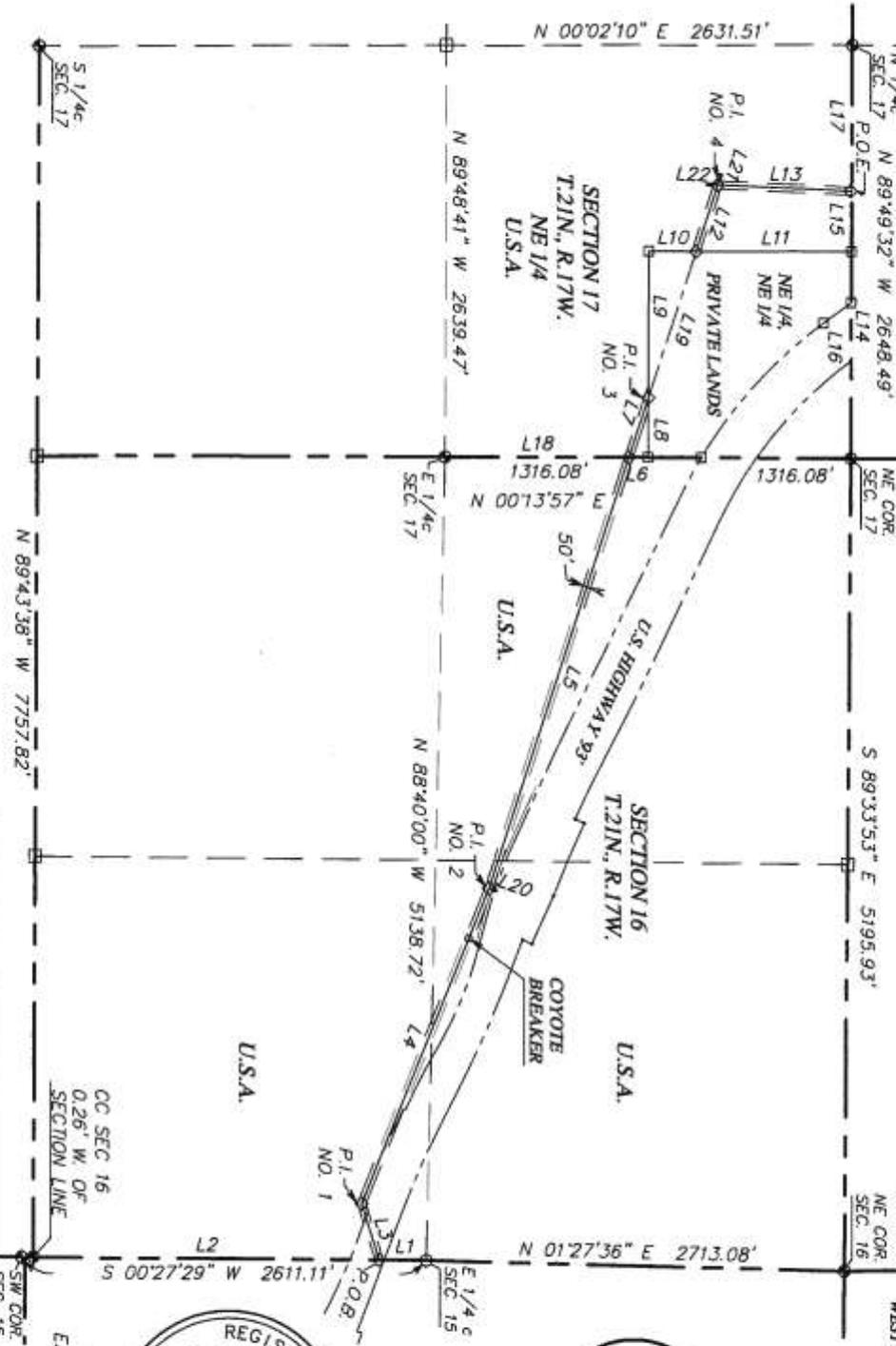
Beginning at P.I. No.4 as described above in Parcel 2;  
Thence South 02 Degrees 46 Minutes 28 Seconds West for 75.00 feet to the point of terminus.

The area contained in Parcels 1 thru 5 inclusive is 8.29 Acres More or Less.



**EXHIBIT G-2**  
**UNS ELECTRIC, INC. EXHIBIT FOR BLM PERMIT APPLICATION**  
**SECTIONS 16 & 17, T.21N., R.17W., G.&S.R.M., MOHAVE COUNTY, ARIZONA.**

SCALE: 1" = 1000'  
 GRID NORTH NAD83  
 ARIZONA STATE PLANE COORDINATE SYSTEM  
 WEST ZONE (203)



- ◆ = USGLD BRASS CAPPED IRON PIPE.
- ◇ = NOTHING FD. OR SET.
- = NOT SEARCHED FOR.

DISTANCES SHOWN ARE GROUND.  
 TO COMPUTE GRID DISTANCES  
 MULTIPLY BY PROJECT COMBIN-  
 ATION SCALE FACTOR .99981060.

**PREPARED FOR:**  
 UNSOURCE ENERGY SERVICES  
 2498 AIRWAY AVENUE  
 P.O. BOX 3099  
 KINGMAN, AZ 86402

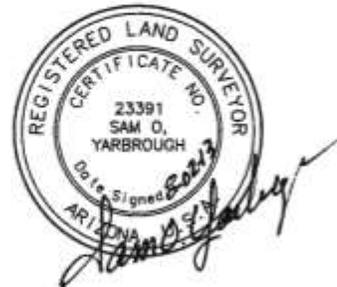
**PREPARED BY:**  
 DIAMOND S. LAND SURVEYORS  
 P.O. BOX 6134  
 2090 SUNDOWN RD.  
 KINGMAN, AZ 86402  
 928-715-7703  
 yarbroo@cildlink.net

EXPIRES 12-31-2013

**EXHIBIT G-3**

**LINE TABLE TO ACCOMPANY  
GRAPHICAL EXHIBIT B-1**

LINE	BEARING	DISTANCE
L1	S 00°27'29" W	306.35'
L2	S 00°27'29" W	2253.03'
L3	S 72°24'18" W	377.20'
L4	N 67°43'14" W	2178.17'
L5	N 71°48'18" W	2899.94'
L6	S 00°13'57" W	124.66'
L7	N 71°48'18" W	403.13'
L8	N 89°49'06" W	383.48'
L9	N 89°49'06" W	938.51'
L10	N 00°08'03" E	305.26'
L11	N 00°08'03" E	1010.65'
L12	N 71°48'18" W	449.44'
L13	N 02°46'28" E	872.51'
L14	S 89°49'32" E	1711.35'
L15	N 89°49'32" W	387.10'
L16	S 89°49'32" E	1324.24'
L17	N 89°49'32" W	937.14'
L18	S 00°13'57" W	1191.41'
L19	N 71°48'18" W	987.14'
L20	N 20°12'19" E	38.63'
L21	N 71°48'18" W	75.00'
L22	S 02°46'28" W	75.00'



EXPIRES 12-31-2013

<b>PREPARED FOR:</b> UNISOURCE ENERGY SERVICES 2498 AIRWAY AVENUE P.O. BOX 3099 KINGMAN, AZ 86402	<b>PREPARED BY:</b> DIAMOND 'S' LAND SURVEYORS P.O. BOX 6134 2090 SUNDOWN RD. KINGMAN, AZ 86402 928-757-1013
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# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Kingman Field Office  
2755 Mission Boulevard  
Kingman, Arizona 86401  
www.az.blm.gov

**AZPHX 036396**  
**Exhibit H**  
**September 16, 2013**

## **GUIDELINES FOR HANDLING DESERT TORTOISE ENCOUNTERED ON ROADS AND VEHICLE WAYS**

1. Stop your vehicle and allow the tortoise to move off the road.
2. If the tortoise is not moving, gently\*\* pick up the tortoise and move it approximately 200 feet off the road to a shaded location.
  - a. **Do not** turn the tortoise over.
  - b. Move the tortoise in the direction it was traveling. If it was crossing the road, move it in the direction it was crossing.
  - c. Keep the tortoise within 12-18 inches of the ground, move slowly so as not to cause it to become alarmed.
  - d. Release the tortoise under the shade of a bush or rock.

\*\* Tortoise store water in their bladder. If a tortoise becomes alarmed its defense is to void its bladder onto the captor. This could lead to dehydration of the tortoise and potentially to death.

3. Prior to moving any parked vehicle or equipment at the project site check for tortoise under the vehicles.





Wagon road is not to be bladed.



Wagon road is not to be bladed.





Wagon road is not to be bladed.



