

KINGMAN FIELD OFFICE SCOPING FORM

Proposal:

DOI-BLM-AZ-C010-2011-0013-EA
NEPA Document Number

LR13A
RMP Implementation No.

S:/BLMshare: nepa\ROW's\UNS Hart Power Line
Document Location

Land Description: T. 21 N., R. 17 W., Sec. 8 and 17

Applicant: UniSource Electric

Authorization: AZA-35487

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

Needed Input (X)	Discipline	Signature
	Lands	
	Minerals	
	Range	
	Wild Horse and Burro	
X	General Recreation	/ s / Len Marceau 02/22/2011
X	Cultural and Paleontological Resources	
	Wilderness	
	Soils	
	Surface and Groundwater Quality/Water Rights	
	Air Quality	
X	Wildlife	/ s / Ammon Wilhelm 02/22/2011
X	Threatened and Endangered Plants and Animals	/ s / Ammon Wilhelm 02/22/2011
X	Migratory Birds	/ s / Ammon Wilhelm 02/22/2011
	Surface Protection	
	Hazardous Materials	
	Areas of Critical Environmental Concern	
X	Visual Resources	/ s / Ammon Wilhelm 02/22/2011
	Socio-Economics/Environmental Justice	
	General Botany/Noxious Weeds	
	Energy Policy	

Writer: / s / Angela Mogel

Date: 01/04/2011

Environmental Coordinator: / s / David Brock

Date: 01/04/2011

Field Manager: / s / Ruben Sánchez

Date: 01/04/2011

ENVIRONMENTAL ASSESSMENT, FONSI and DR FORM

EA Number: DOI-BLM-AZ-C010-2011-0013-EA

Lease/Serial Case File No. AZA 35487

Bureau of Land Management (BLM), Kingman Field Office

Proposed Action Title/Type: Right-of-Way

Location of Proposed Action: SW¹/₄SE¹/₄, sec. 8; NW¹/₄NE¹/₄, sec. 17, T. 21 N., R. 17 W., G&SRM.

Applicant (if any): UNS Electric, Inc. (UNS)

CONFORMANCE WITH APPLICABLE LAND USE PLAN:

This proposed action is in conformance with the Kingman Resource Management Plan (RMP) and Final Environmental Impact Statement (FEIS) approved March 1995. Remarks: RMP Decision number and narrative: Pages 66 and 67 of the RMP, and a portion of item 2 of the errata sheet issued with the RMP/FEIS, 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."

The alternatives analyzed herein are within the U.S. 93/S.R/66/1-40 Rights-of-Way Corridor. The proposed action alternative would be considered a minor right-of-way. It has been determined that granting the right-of-way would not interfere with granting future major rights-of-way within the corridor.

PURPOSE AND NEED FOR PROPOSED ACTION:

In accordance with FLPMA (Section 103(c)), public lands are to be managed for multiple use that takes into account the long-term needs of future generations for renewable and non-renewable resources. The Secretary of the Interior is authorized to grant rights-of-way on public lands for systems of generation, transmission, and distribution of electric energy (Section 501(a)(4)). Taking into account the BLM's multiple use mandate, the purpose and need for the proposed action is to respond to a FLPMA right-of-way application submitted by UNS to construct, operate, maintain, and decommission a 20.8 kV overhead distribution power line facility on public lands administered by the BLM in compliance with FLPMA, BLM right-of-way regulations, and other applicable Federal laws and policies.

The BLM will decide whether to deny the proposed right-of-way, grant the right-of-way, or grant the right-of-way with modifications. Modifications may include modifying the proposed use or changing the route or location of the proposed facilities (43 CFR 2805.10(a)(1)).

DESCRIPTION OF PROPOSED ACTION:

The proposed action would be to grant a right-of-way for the construction, operation, maintenance, and termination of a 20.8kV three phase overhead electric distribution line. The width of the proposed right-of-way would be 50 feet, and 480 feet in length on public lands and would include one wood pole. The right-of-way proposes to connect to an existing 69kV overhead distribution power line with 20.8kV three phase under build located in sec. 8, T. 21 N., R. 17 W., G&SRM (BLM Serial No. PHX 078948) and would then cross private lands to provide electrical service to a proposed radio antenna in Section 17, T. 21 N., R. 17 W, G&SRM. The portion of the proposed power line on private line would be 285 feet in length. The total right-of-way area for the BLM lands would be approximately 0.55 acres.

The total estimated ground disturbance during construction is estimated to be a maximum of 0.28 acres. It is

anticipated that no more than a 50' X 50' area of surface disturbance would occur from installation of the single pole. Installation of the pole requires the digging of a hole sized 24" in diameter and with a 10' depth. UNS states in the Plan of Development (POD), filed with its application on September 21, 2010, that it will access the proposed right-of-way using existing dirt roads (Black Mesa Pipeline Road) and that some overland vehicular travel (estimated to be an area 20' wide and 480' in length on BLM lands) will be required to pull the wire from the existing line to the point of new service. The POD is attached as Exhibit A to this environmental assessment as it further details the proposed project including construction and termination. The POD also describes mitigation measures that the applicant intends to do. The POD will also be attached to the right-of-way grant as part of the terms and conditions if the application is approved. The estimated construction costs by UNS for this proposal is \$30,000.

This right-of-way would allow UNS to provide electrical service for a proposed radio antenna that services Kingman, Bullhead City and Lake Havasu City, Arizona.

DESCRIPTION OF ALTERNATIVE NO.1- LINE CONSTRUCTED ON PRIVATE PROPERTY:

UNS states in its application that another existing electric distribution line could potentially provide electrical service to the proposed radio antenna. This line is located on 28 acres of private property in Section 17, T. 21 N., R. 17 W., G&SRM, that is owned by Joseph E. Hart and Rhonda K. Hart (Mohave Assessor Parcel No. 301-03-027). The private property owners are also managing members and part owners of the corporation that owns the radio station. This proposal involves 0.9 acres and would require that the existing distribution under build on this line (single phase) be upgraded to a 3 phase line. Engineering specifications for the radio antenna installation requires that the power source is a 3 phase line. UNS would need to install 2 more wires to create 3 phase. The existing poles do not have sufficient clearance and would have to be replaced with taller poles. The terrain on the private land is more difficult to construct on and would require UNS to rebuild a road for construction purposes to replace the poles. The rebuild of the road would disturb approximately 2.7 acres. The estimated cost by UNS for this proposed project would be \$82,000.

DESCRIPTION OF ALTERNATIVE NO.2- NO ACTION

Under the No action alternative the application for the proposed right-of-way would be denied. Because alternative 1 would not require any BLM approval and it would be used if BLM denied this application, the impacts of alternative 1 and 2 are identical.

AFFECTED ENVIRONMENT

General Setting

The affected environment is located east of Golden Valley, Arizona, south of State Route 68, and west of U.S. Route 93. This area is continuing to be developed for commercial and residential uses. The private lands in the vicinity are mainly residential properties and the BLM lands have road and utility rights-of-way located thereon.

Affected Resources

The following is a description of the affected resources on public lands and the anticipated impacts which would result from the proposed action.

Lands and Realty

As noted above under the Conformance with Applicable Land Use Plan section the alternatives analyzed herein are within the U.S. 93/S.R/66/1-40 Rights-of-Way Corridor.

Vegetation

The vegetative community in this area is Sonoran and Mojave desert scrub. Common species include creosote, bursage, snakeweed, big galleta, cholla, wolfberry, crucifixion thorn, and catclaw acacia.

Wildlife

Wildlife species occurring in this area are primarily birds, including migratory species such as mourning dove, cactus wren, LeConte's thrasher, loggerhead shrike, black-throated sparrow, Gambel's quail, and mockingbird. Other wildlife species occurring in this area are rabbits, ground squirrels, mice, snakes, lizards, and, occasionally, coyotes.

Recreation

The alternatives analyzed herein are within the Cerbat Foothills Recreation Area (CFRA). This area is managed cooperatively by the BLM, City of Kingman (which administers lands within the CFRA), and the Arizona Game and Fish Dept. for recreation management. No facilities associated with the CFRA are within the affected environment, nor are there plans for such facilities.

Visual Resource Management (VRM)

The affected environment is within VRM Class IV. The objective of this classification is to provide for management activities and allows for major modifications to the existing landscape. The level of change to the landscape may be high and may dominate the view. The existing landscape within the area of the proposed action is flat with distant views of the Cerbat Mountains to the north, Hualapai Mountains to the southeast, and the Black Mountains to the west. The views within the immediate area of the proposed powerline are dominated by manmade structures and facilities such as U.S. Route 93, houses, roads and utility lines, including the proposed 20.8kV under built. Although actions in VRM class IV can dominate the view, actions should be designed to be as unobtrusive as possible.

Socio-Economics

The Golden Valley community has experienced increased growth in the past 20 years.

ENVIRONMENTAL IMPACTS

PROJECT RESOURCE review			
Resources Considered	Not Present	Present and Not Affected	Present and/or Potentially Affected

PROJECT RESOURCE review			
Resources Considered	Not Present	Present and Not Affected	Present and/or Potentially Affected
Air Quality*		✓	
Areas of Critical Environmental Concern*	✓		
Cultural and Historic*	✓		
Environmental Justice* / Socioeconomics			✓
Floodplains*	✓		
Grazing	✓		
Hazardous or Solid Waste*	✓		
Invasive and Non-native Species*		✓	
Land Use		✓	
Migratory Birds*		✓	
Native American Religious Concerns*	✓		
Prime and Unique Farmland*	✓		
Threatened and Endangered Species*	✓		
Vegetation			✓
Visual Resources		✓	
Water Quality*	✓		
Wetland or Riparian Zones*	✓		
Wild and Scenic Rivers*	✓		
Wilderness*	✓		
Wildlife		✓	
* Consideration Required By Law or Executive Order			

Present and Not Affected

Air Quality: Mohave County is in an attainment area where air quality is generally considered good. Ground disturbance would be minimal and the dust created from driving on the existing roads and drilling the one hole would dissipate quickly and would have no lasting effect on air quality.

Cultural and Historic: A Class III inventory was completed see attached Cultural Resource Compliance Documentation Record, Exhibit B.

Invasive and Non-native Species: Red Brome Filaree and some Sahara mustard occur on the site. The disturbance created by the proposed action would be minimal and would not provide any avenue for the weeds to spread into

new areas. Unisource would wash any vehicles that come in from outside of Mohave County prior to using them on site. This would prevent the spread of any new weeds into the project area.

Migratory Birds: The project would result in some short term noise disturbance in the project area. This could result in birds avoiding the area during the disturbance but afterwards there would be no lasting effects. Construction would occur outside of the breeding season (March 15 to September 15) or the area would be surveyed for bird nest prior to construction. The project would not result in any long term (more than a week) disturbances to migratory bird populations.

Wildlife: The project would result in some short term (less than a week) noise disturbance in the project area. Wildlife would avoid the area while the disturbance is occurring but would resume using it after the disturbance ended. The project would not result in any long term (more than a week) disturbances to wildlife populations.

Impacts from the Proposed Action

Lands and Realty

As noted above under the Conformance with Applicable Land Use Plan section the proposed action alternative would not interfere with granting future major rights-of-way within the U.S. 93/S.R/ 66/1-40 Rights-of-Way Corridor.

Vegetation

A small (Less than .10 acres) of surface disturbance is expected on public land. Vegetation is sparse and only a few individual plants would be disturbed. In addition, UNS states in its Plan of Development that it would avoid vegetation such as cactus, Joshua trees, and yucca would be avoided and if possible and transplanted if avoidance is not feasible. The Plan of Development also states that any disturbed areas around the pole would be raked scarified. Individual plants might be removed but not enough to affect the habitat components of the area or the local plant populations.

Recreation

No facilities associated with the CFRA would be affected by the alternatives herein, nor are there plans for facilities which could be impacted.

Socio-Economics

Although the radio station is a private for-profit corporation, it does provide a benefit to the community by providing news, weather and Public Service Announcements. The new antenna is being installed to provide better quality radio reception to the community.

Impacts from Alternative No. 1

There would be no impacts to vegetation, wildlife, or VRM as the placement of the poles on private land would be on previously disturbed land with little vegetation. VRM is not categorized on private land and the placement of a couple of power poles in the already disturbed area with the numerous other existing power poles in the area.

Socio-Economics

This alternative was considered by the applicant and it is still a viable option but it would require that the line be upgraded. The cost difference between the Proposed Action and this alternative is that it would cost \$52,000 more to construct this project.

Impacts from Alternative No. 2

Impacts are the same as described for Alternative No. 1.

MITIGATION MEASURES

The standard terms and conditions would be incorporated in the proposed right-of-way grant, see below.

RESIDUAL IMPACTS

Residual impacts which would result from the proposed action would be the footprint from the poles. It is likely disturbance caused by the construction and periodic maintenance of the proposed electric lines would naturally reclaim.

PERSONS/AGENCIES CONSULTED

Mike Gibelyou	Right-of-Way Agent, UNS Electric, Inc.
Len Marceau	Outdoor Recreation Planner, BLM Kingman Field Office
Tim Watkins	Archaeologist, BLM Kingman Field Office
Ammon Wilhelm	Wildlife Biologist, BLM Kingman Field Office

Preparer(s): Angela Mogel, Realty Specialist, Arizona State Office and Ammon Wilhelm
Environmental Coordinator:

FINDING OF NO SIGNIFICANT IMPACT/DECISION RECORD.

I have reviewed this environmental assessment including the explanation and resolution of any potentially significant environmental impacts. I have determined that the proposed action with the mitigation measures described below will not have any significant impacts on the human environment and that an EIS is not required. I have determined that the proposed project is in conformance with the approved land use plan. It is my decision to implement the project with the stipulations identified below.

Stipulations to attach to permit/Remarks:

1. The holder shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the plan of development which was approved and made part of the grant on AZA 35487. Any relocation, additional construction, or use that is not in accord with the approved plans of development, shall not be initiated without the prior written approval of the authorized officer. A copy of the complete right-of-way grant, including all stipulations and approved plans of development, shall be made available on the right-of-way area during construction, operation, and termination to the authorized officer. 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.
2. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.
3. Use of pesticides shall comply with the applicable Federal and state laws. Pesticides shall 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 shall obtain from the authorized officer written approval of a plan showing the type and quantity of material to be used, pest(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.
4. The holder shall be responsible for weed control on disturbed areas within the limits of the right-of-way. The holder is responsible for consultation with the authorized officer and/or local authorities for acceptable weed control methods (within limits imposed in the grant stipulations).
5. Holder shall remove only the minimum amount of vegetation necessary for the construction of structures and facilities. Topsoil shall be conserved during excavation and reused as cover on disturbed areas to facilitate regrowth of vegetation.
6. The holder shall conduct all activities associated with the construction, operation, and termination of the right-of-way within the authorized limits of the right-of-way.

7. All design, material, and construction, operation, maintenance, and termination practices shall be in accordance with safe and proven engineering practices.

8. 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 both raptors and species protected under the Migratory Bird Treaty Act. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

9. The holder(s) shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the 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 or 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.

10. The holder of Right-of-Way No. AZA 35487 agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 U.S.C. 9601 et seq. or the Resource Conservation and Recovery Act of 1976, 42 U.S.C. 6901 et seq.) on the right-of-way (unless the release or threatened release is wholly unrelated to the right-of-way holder's activity on the right-of-way). This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

11. Construction activity and surface disturbance will be prohibited during the period from March 15 to September 15) or the area would be surveyed for bird nest prior to construction for the protection of nesting migratory birds during breeding season. Any exceptions to this requirement must have prior written approval from the authorized officer.

Authorized Official: / s / John Reid *signing for Jackie Neckels* Date: 02/25/2011

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RIGHT-OF-WAY GRANT/TEMPORARY USE PERMIT

Issuing Office
Kingman Field Office

Serial Number
AZA 35487

1. A (right-of-way) (permit) is hereby granted pursuant to:

- a. Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761);
- b. Section 28 of the Mineral Leasing Act of 1920, as amended (30 U.S.C. 185);
- c. Other (describe) _____

2. Nature of Interest:

- a. By this instrument, the holder UNS Electric, Inc. receives a right to construct, operate, maintain, and terminate a 20.8 kV three phase overhead electric distribution line on public lands (or Federal land for MLA Rights-of-Way) described as follows:

Gila and Salt River Meridian, Arizona

**T. 21 N., R. 17 W.,
sec. 8, SW $\frac{1}{4}$ SE $\frac{1}{4}$;
sec. 17, NW $\frac{1}{4}$ NE $\frac{1}{4}$.**

- b. The right-of-way or permit area granted herein is 50 feet wide, 480 feet long and contains 0.55 acres, more or less. If a site type facility, the facility contains _____ acres.
- c. This instrument shall terminate on 12/31/2041, 30 years from its effective date 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 may not 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.

(Continued on page 2)

PLAN OF DEVELOPMENT
UNS ELECTRIC, INC. (UNSE)
KINGMAN RADIO ANTENNA 20.8kv POWERLINE
~~AZPHX 078948~~ amend
SEPTEMBER 2010

1. Purpose and Need for Right-of-Way

The Applicant, UNS Electric, Inc. (UNSE) has applied for a 20.8 kV overhead distribution power line right-of-way in the East Golden Valley area of Mohave County, Arizona. UNSE plans to install the power line to provide electric service for a FM radio antenna site on private land. The new 20.8kV power line will be constructed from the under built distribution circuit on an existing pole line in SE¼ Section 8, T21N, R17 West and will extend to the antenna site on private land in the NE¼ Section 17, T21N, R17 West.

2. Location

The power line will be located on public land identified as T. 21 N., R. 17 W., Sections 8 & 17, Gila and Salt River Meridian, Mohave County, Arizona as shown on Exhibit A. Private land sections affected are T. 21 N., R. 17 W., Section 17. Possible alternatives involve coming from a pole in the existing line on private land but at a longer overall distance.

3. Design Factors

- a. The 20.8 kV power line would be located in a ROW 50 feet wide, 764 feet long and consists of three wood 50/2 poles, 50 feet long [typically w/10 feet of said length buried in the ground] and one guy anchor cable assembly. The ROW on Federal land would be 50 feet wide and 479 feet long consisting of 0.55 acres and would include 1 pole. The ROW on private land would be 285 feet and include 2 poles and 1 guy anchor assembly. The power line will be designed to be raptor proof as shown on Exhibit B -- pole configuration. Non-specular #2 ACSR conductor will be used. Spans will be approximately 243 feet long and ground clearance will meet or exceed National Electric Code clearance requirements with the lowest of the wires will be a minimum of 18 feet above ground level. There will be 3 conductors and 1 neutral wire.
- b. Soils and geology in the area are suitable for placement of the power line.
- c. Fencing, welding, concrete work, grading, permanent foundations, and road building is not expected on Federal Lands. Periodic access to the pole line may be required for maintenance inspections. Installation should be completed within ten (10) days.

4. Additional Components

- a. Access will be along existing bladed dirt roads [Black Mesa Pipeline access road], washes and some overland travel adjacent to the right of way. No land disturbance will be necessary to access pole locations.

b. Equipment storage areas will be located on private land.

5. Government Agencies Involved

a. No other governmental agencies are involved in this project.

6. Construction of Facilities

a. Once all permits and easements have been acquired, the job will be released to construction. The construction process will take approximately ten days. A digger truck will be used to auger the holes, 10 feet deep and 24" 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 poles, and then place the poles, tamping the loose dirt around the poles to secure them. The conductor wires will be strung and tensioned and the connection will be made at a junction point on an existing 20.8kv line in Section 8.

b. The construction crew will consist of a digger truck with 2 personnel. The line crew typically consists of one large bucket truck and a standard pickup truck. Both the digger truck and bucket trucks and crane are 10 wheeled vehicles with 2 rear dual axles. No backhoe is anticipated. A rubber tired flatbed trailer with conductor reels attached will be used to string the necessary wires. If vehicles are used from out of the local area they will be power washed to reduce the spread of noxious weeds.

c. Vegetation such as cactus, Joshua trees, yucca, will be avoided if possible and transplanted if avoidance is not feasible.

d. UNSE construction crews adhere to all applicable OSHA standards. This includes personal protective equipment [PPE] and equipment operation. A tailboard meeting discussing the scope of the job is held before any construction is commenced to discuss aspects of the project and review any mitigation and safety concerns about individual tasks.

e. 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.

f. 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. Need for a cultural survey will be determined by BLM. In house staff may be used to conduct the study.
- 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).
- c. Need for a biological evaluation will be determined by BLM. In house staff may be used to conduct the study.

8. Stabilization and Rehabilitation

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

9. Operation and Maintenance

No regular maintenance will be conducted on the distribution line. A service truck will be dispatched to investigate 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 (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.

dated September 21, 2010

R/W# 066E/10-001
AREA: GOLDEN VALLEY
REQUESTOR: M.Y.

U.S.A.
SE 1/4 OF SECTION 8, T.21N.,
R.17W., G.&S.R.M., MOHAVE
COUNTY, ARIZONA.



GRID NORTH NAD83

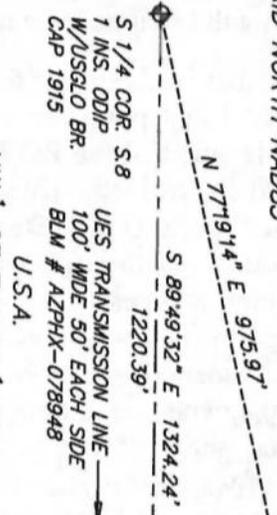


EXHIBIT A
UNSELECTRIC, INC.
BLM PERMIT APPLICATION
FOR PORTIONS OF
SECTION 8 & 17, T.21N., R.17W.
G.&S.R.M.,
MOHAVE COUNTY, ARIZONA.



NW 1/4 OF THE NE 1/4 OF
SECTION 17, T.21N., R.17W.,
G.&S.R.M., MOHAVE COUNTY,
ARIZONA.

LINE	BEARING	DISTANCE
L1	S 89°49'32" E	103.86'
L2	S 00°08'03" W	83.91'
L3	S 50°54'16" E	345.59'
L4	S 50°54'16" E	133.57'
L5	S 50°54'16" E	286.00'

PREPARED BY:
DIAMOND 'S' LAND SURVEYORS
SAM O. YARBROUGH, RLS
P.O. BOX 6134
KINGMAN, ARIZONA 86402
928-715-7703
SEPTEMBER 14, 2010



N 00°08'03" E 1315.91'
1232.00'

JOSEPH & RHONDA HART
THE NE 1/4 OF THE NE 1/4 OF
SECTION 17, T.21N., R.17W.,
G.&S.R.M., MOHAVE COUNTY,
ARIZONA PER BK. 1920 O.R.,
PG. 945.

AREA REQUIRED = 0.55 ACRES M/L
 POSITION COMPUTED NOTHING SET.

SECTION LINE TYP.

SE COR. S.8
2 INS. ODIP
W/USGLO BR.
CAP 1915

R/W# 066E/10-001
AREA:
GOLDEN
VALLEY
REQUESTO
R: M.Y.

UNS Electric, Inc.
BLM Permit Application
EXHIBIT B

PORTIONS OF THE SE $\frac{1}{4}$ OF SECTION 8, T.21N., R.17W. AND THE NW $\frac{1}{4}$ OF THE NE $\frac{1}{4}$ OF SECTION 17, T.21N., R.17W., G.&S.R.M., MOHAVE COUNTY, ARIZONA BEING A STRIP OF LAND 50 FEET IN WIDTH LYING 25 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTER LINE:

COMMENCING AT THE SOUTH $\frac{1}{4}$ CORNER OF SAID SECTION 8 THENCE NORTH 77 DEGREES 19 MINUTES 14 SECONDS EAST, 975.97 FEET (BASIS OF BEARINGS IS GRID NORTH ARIZONA STATE PLANE COORDINATE SYSTEM NAD83, WEST ZONE) TO THE POINT OF BEGINNING;

THENCE SOUTH 50 DEGREES 54 MINUTES 16 SECONDS EAST FOR 345.59 FEET TO A POINT IN THE SOUTH LINE OF SAID SECTION 8;

THENCE CONTINUING SOUTH 50 DEGREES 54 MINUTES 16 SECONDS EAST FOR 133.57 FEET TO A POINT IN THE WEST LINE OF THE NE $\frac{1}{4}$ OF THE NE $\frac{1}{4}$ OF SAID SECTION 17 AFOREMENTIONED AND THE TERMINUS OF SAID STRIP;

FROM WHICH POINT THE NW CORNER OF SAID NE $\frac{1}{4}$ OF THE NE $\frac{1}{4}$ BEARS: NORTH 00 DEGREES 08 MINUTES 03 SECONDS EAST, 83.91 FEET AND THE SW CORNER THEREOF BEARS: SOUTH 00 DEGREES 08 MINUTES 03 SECONDS WEST, 1232.00 FEET.

IT IS INTENDED THAT THE SIDE LINES OF SAID STRIP BE EXTENDED OR SHORTENED SO AS TO TERMINATE IN A LINE DRAWN AT RIGHT ANGLES TO SAID CENTER LINE AT THE POINT OF BEGINNING AND IN THE AFOREMENTIONED WEST LINE OF SAID NE $\frac{1}{4}$ OF THE NE $\frac{1}{4}$. THIS STRIP ENCUMBERS AN AREA OF 0.55 ACRES MORE OR LESS.



Exhibit B

Right-of-Way No. AZA 35487
Stipulations

1. The holder shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the plan of development which was approved and made part of the grant on AZA 35487. Any relocation, additional construction, or use that is not in accord with the approved plans of development, shall not be initiated without the prior written approval of the authorized officer. A copy of the complete right-of-way grant, including all stipulations and approved plans of development, shall be made available on the right-of-way area during construction, operation, and termination to the authorized officer. 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.
2. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.
3. Use of pesticides shall comply with the applicable Federal and state laws. Pesticides shall 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 shall obtain from the authorized officer written approval of a plan showing the type and quantity of material to be used, pest(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.
4. The holder shall be responsible for weed control on disturbed areas within the limits of the right-of-way. The holder is responsible for consultation with the authorized officer and/or local authorities for acceptable weed control methods (within limits imposed in the grant stipulations).
5. Holder shall remove only the minimum amount of vegetation necessary for the construction of structures and facilities. Topsoil shall be conserved during excavation and reused as cover on disturbed areas to facilitate regrowth of vegetation.
6. The holder shall conduct all activities associated with the construction, operation, and termination of the right-of-way within the authorized limits of the right-of-way.
7. All design, material, and construction, operation, maintenance, and termination practices shall be in accordance with safe and proven engineering practices.
8. 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 both raptors and species protected under the Migratory Bird Treaty Act. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

Exhibit B

Right-of-Way No. AZA 35487
Stipulations

9. The holder(s) shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the 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 or 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.

10. The holder of Right-of-Way No. AZA 35487 agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 U.S.C. 9601 et seq. or the Resource Conservation and Recovery Act of 1976, 42 U.S.C. 6901 et seq.) on the right-of-way (unless the release or threatened release is wholly unrelated to the right-of-way holder's activity on the right-of-way). This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

11. Construction activity and surface disturbance will be prohibited during the period from March 15 to September 15) or the area would be surveyed for bird nest prior to construction for the protection of nesting migratory birds during breeding season. Any exceptions to this requirement must have prior written approval from the authorized officer.

CULTURAL RESOURCE COMPLIANCE DOCUMENTATION RECORD

Project No: BLM-AZ-310-11-16 **Project Name:** Proposed Unisource Hart Powerline
Project Survey
EA, Job or Case File No.:

Institution: BLM

Cultural Resource Use Permit No: N/A

Inventory Method: Existing Data Review Class II Class III

Eligibility Recommendation (for sites located):

Not-eligible sites (list site numbers): 0

Eligible sites (list site numbers): 0

Effect Recommendation (only on eligible sites from above):

No Historic Properties Affected Adverse Effect

No Adverse Effect

Treatment Recommendations: (check and attach full description and map(s) as needed):

Avoidance (by project redesign/cancellation, etc.)

Physical or administrative protection measures

Standard stipulations

Special stipulations

Data recovery (collection, excavation, detailed recording, etc.) **Consultation:**

Covered under PA, no further consultation required with SHPO or ACHP

Consultation required: SHPO Advisory Council Native Americans

Comments: Standard Stipulations apply

Proposed undertaking: Project proponent, Unisource on behalf of Joe Hart, would like to install a 479 foot long 20.8 kV power line. This line would begin along an existing 69 kV and link to Mr. Hart's adjacent private property. The power would be for a communication site located there. Only on pole would be required on public land.

Project location: Township 21 N, Range 17 W, Section 8 and 17, Gila and Salt River Meridian, Kingman 7.5 topographic quadrangle map.

NEPA DOI-BLM-AZ-COIO-2011-0013-EA

Inventory: Inventory we conducted utilizing one systematic, parallel 20 meter wide transect. This proved sufficient for identification of any cultural resources in the area.

Tribal Consultation: No consultation with local tribes is necessary for the proposed action.

Standard Stipulations: Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Bureau of Land Management authorized representative. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized representative to determine appropriate actions to prevent the loss of significant cultural or scientific values.

Findings: Pursuant to Section 106 of the National Historic Preservation Act and the regulations set forth in 36 CFR 800, BLM has determined that this undertaking would have no effect on historic properties, as defined in 36 CFR 800.16(1)(1).

Attachments: none

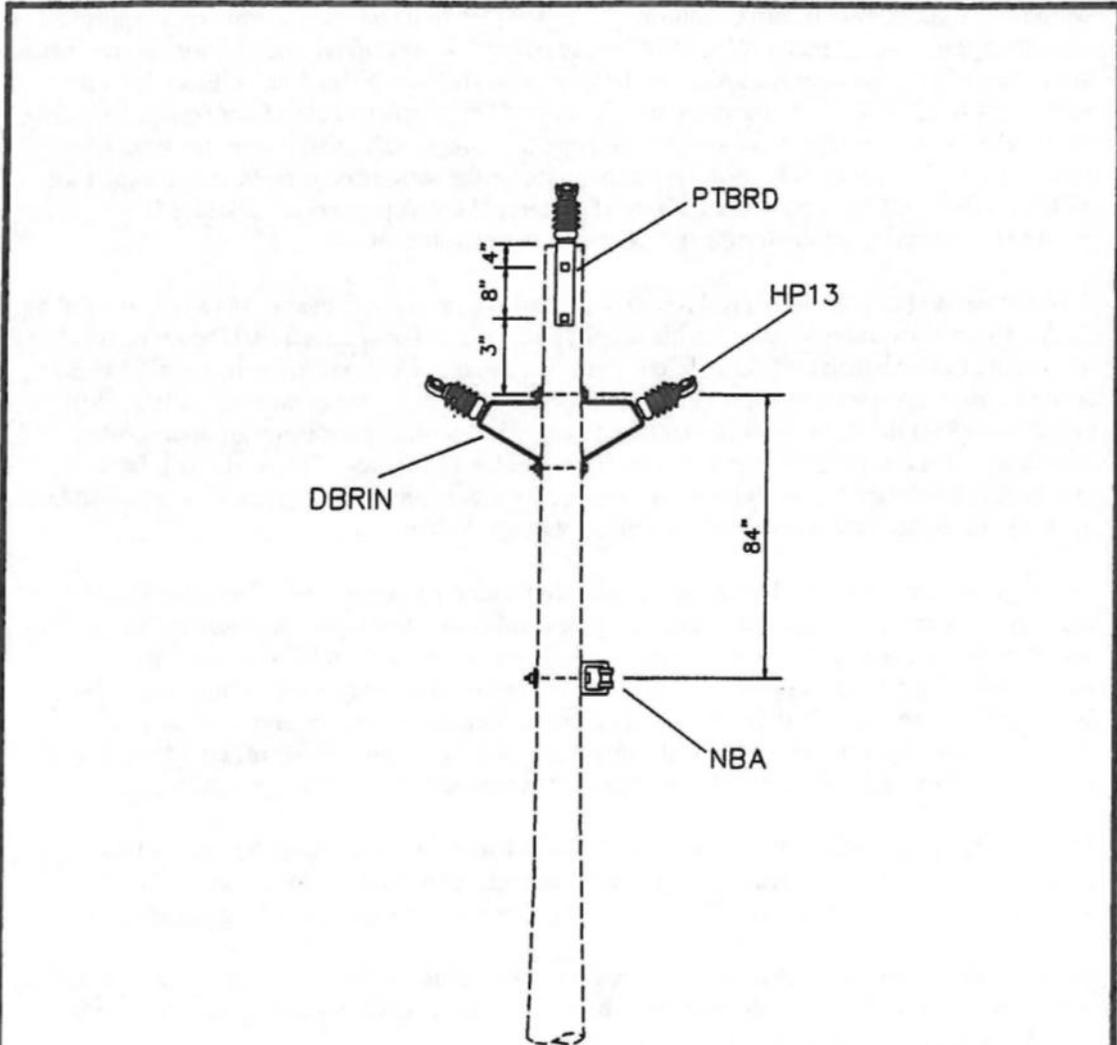
Signed (by archaeologist): Tim Watkins

Date: 12/16/2010

EXHIBIT C
DESERT TORTOISE HANDLING GUIDELINES

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.

EXHIBIT D
TYPICAL TANGENT POLE CONFIGURATION
 Three phase 20.8kv distribution line

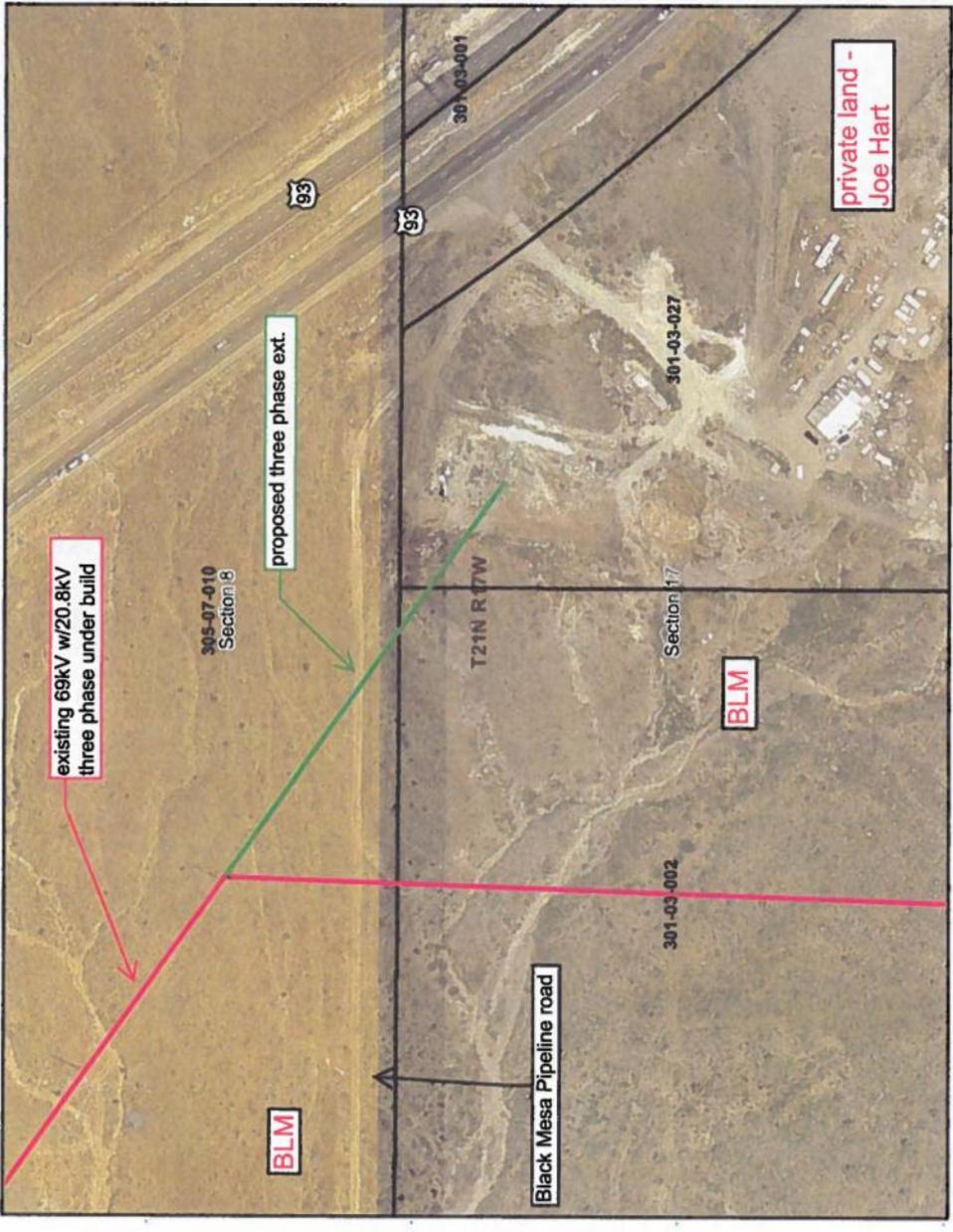


	Date	By
Revised	11-93	MLS
Approved	12-93	Std-Corn

HP13	3	132	365								
DBRIN	2	128	364								
NBA	1	134	364								
PTBRD	1	128	364								
SUB-ASSEMBLY	REQ.	TYPE	ACC.#	SUB-ASSEMBLY	REQ.	TYPE	ACC.#	SUB-ASSEMBLY	REQ.	TYPE	ACC.#
THREE PHASE-ARMLESS TANGENT-DBL TOP TRIANGULAR										CMP-4	
HORIZ. POSTS ON POLESIDE BRKTS. W/POLETOP POST											
DATE:											

Drawn by RMR Sy-TEC

County of Mohave, Arizona
 Geographic Information Systems
Hart radio tower area



- Populated Places
- Incorporated Cities
- Centerline
- Railroads
- Tax Parcels
- 2
- 0
- Township/ Range
- Sections
- Federal Lands
- Indian Reservations BIA
- National Monument NPS/BLM
- National Park NPS
- National Recreation Area NPS
- Wilderness Area BLM
- Wilderness Study Area NPS
- Land Ownership
- Arizona Game and Fish
- AZ State Trust Land
- Bureau of Land Management
- Bureau of Reclamation
- National Wildlife Refuge
- Indian Allotments
- National Forest
- Military Reservation
- Parks and Recreation
- National Monument
- Waterbodies
- 2007 0.4-ft Mohave Channel
- 2007 0.4-ft Valle Vista
- 2005 1-ft (Lake Havasu City Area)
- 2005 0.95-ft (Lake Havasu City)

Scale: 1:2,400



Map center: 35° 12' 51.2" N, 114° 6' 59.0" W

Map created on: Sep 21, 2010



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