

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p><i>Bald Eagle</i></p> <ul style="list-style-type: none"> The Proposed Action is unlikely to result in any impacts because of the lack of roosting sites and the eagle’s known tolerance to noise. Adverse impacts that could occur in the unlikely event that eagles feed on any waterfowl contaminated by ingesting toxic compounds from the evaporation ponds and /or collision with the transmission line near the ponds would be reduced by measures to avoid waterfowl use of the ponds and pond toxicity. <p><i>Yuma Clapper Rail</i></p> <ul style="list-style-type: none"> No impacts would be expected. <p><i>Arizona Cliffrose</i></p> <ul style="list-style-type: none"> No impacts would occur, since the Proposed Action would not affect any known population and surveys would be required prior to construction to detect and avoid any identified populations. <p><i>Other Special Status Species – Bats, Birds, Reptiles, Amphibians Fish, Plants</i></p> <ul style="list-style-type: none"> With pre-construction surveys, anticipated daytime construction, avoidance of sensitive areas by making adjustments in the pipeline route, and implementing the planned reclamation and wildlife protection measures contained in the Proposed Action, there may be minor adverse or short-term impacts, but no significant impacts would occur. 	<p><u>Conclusion:</u> Same as</p>	<p><u>Conclusion:</u> Similar to</p>	

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p><u>Conclusion:</u> Impacts could occur to the southwestern willow flycatcher because of riparian habitat loss at the Big Sandy River crossing that cannot be avoided or eliminated. Impacts also could occur from bald eagle collisions with transmission lines. The final determination of impact significance will be made through consultation with U.S. Fish and Wildlife Service and the completion of a Biological Assessment, which will be incorporated into the Final EIS. Impacts on sensitive species would be below the level of significance.</p>	Proposed Action	Proposed Action except that there would be no potential for southwestern willow flycatcher – no significant impacts would be expected.	
Cultural Resources	<p>Power Plant and Associated Facilities</p> <ul style="list-style-type: none"> • Construction activities would destroy part of one archeological site; adverse effects to informational values can be adequately mitigated by data recovery studies pursuant to the Section 106 programmatic agreement. • Intrusion of the plant into the traditional cultural landscape of the Hualapai Tribe would be a significant impact. Even with implementation of mitigation measures, significant impacts would remain. <p>Pipeline</p> <ul style="list-style-type: none"> • Potential exists for adverse impacts on archeological and historical sites located within the corridor, depending on the alignment selected. Section 106 programmatic agreement surveys and avoidance or mitigation measures would be implemented along the final alignment. These measures would adequately mitigate impacts on informational values, but the Hualapai Tribe would consider residual impacts on the traditional Hualapai cultural 	Same as Proposed Action	Same as Proposed Action	No impacts

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p>landscape and archaeological sites to be significant.</p> <p>Communication Facilities</p> <ul style="list-style-type: none"> Construction activities associated with the primary or redundant communication systems are not expected to result in adverse effects, but would be reviewed and treated in accordance with the Section 106 programmatic agreement. <p><u>Conclusion:</u> Potential impacts are expected to be “adverse” per NHPA regulations, and the disruption to the traditional cultural setting of the Big Sandy Valley represents a significant impact. Impacts on informational values can be adequately mitigated through implementation of treatment measures in accordance with a Section 106 programmatic agreement. Although mitigation measures will reduce the level of impacts on the traditional Hualapai cultural landscape and related archaeological sites, residual impacts would be considered significant.</p>	<p><u>Conclusion:</u> Same as Proposed Action</p>	<p><u>Conclusion:</u> Same as Proposed Action</p>	
Socioeconomics and Environmental Justice	<p>Population</p> <ul style="list-style-type: none"> Temporary population increases would occur with construction of the Project, the pipeline, and the access road. A permanent population increase is expected for the operation of the plant, which would be noticeable, but would not be significant or disruptive to the community. Changes to quality of life in Wikieup would be temporary and not substantial or significant. Construction and operation of Project including the agricultural development, would increase short-term and long-term employment in 	Same as Proposed Action	Same as Proposed Action	No impacts

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p>Mohave County, a beneficial impact. Since a natural gas connection in Wikieup is uncertain and not under the control of this Project, no impacts can be predicted.</p> <p>Quality of Life – Adverse impacts would be temporary and not significant.</p> <p>Employment – The Project would increase short-term and long-term employment in Mohave county, a beneficial but not significant impact; there may be increases in worker salaries and wages.</p> <p>Taxes – Taxes paid by the Project would be a beneficial impact on the community, but real estate taxes on houses may increase if housing prices increase.</p> <p>Education – Construction of the plant would not cause adverse effects on the Mohave County schools since construction workers would most likely not bring families for the duration of the construction period.</p> <p>Housing – There would be a temporary demand for housing, but no significant impacts would be expected.</p> <p>Health Care, Fire Protection, Law Enforcement – No significant impacts would be expected, since the plant would supply its own fire and security services and adequate health care exists in the area.</p> <p>Low Income and Minority Populations – A disproportionate environmental justice impact would</p>			

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p>not occur because the region is rural and sparsely populated with scattered residences.</p> <p><u>Conclusion:</u> No significant impacts expected with the implementation of proposed actions to reduce or prevent adverse impacts.</p>	<p><u>Conclusion:</u> Same as Proposed Action</p>	<p><u>Conclusion:</u> Same as Proposed Action</p>	
<p>Public Safety and Services</p>	<p>Power Plant and Associated Facilities Electric and Magnetic Fields (EMF)</p> <ul style="list-style-type: none"> No additional adverse impacts would occur. The proposed interconnection, substation, and power plant would create EMF within some areas that are not currently subjected to fields. The proposed new transmission line connection segments would generate EMF at the same strengths of the Mead-Phoenix Project 500-kV transmission line. The Proposed Action would not lead to increase in EMF exposures because the line is in a location generally inaccessible to the public. <p>Safety Issues</p> <ul style="list-style-type: none"> Short-term minor traffic increases on US 93 and I-40 would occur due to plant construction. Traffic increases would be noticeable during plant construction and operation. The increases would not be significant and would not result in downgrading the Level of Service for either I-40 or US 93. Oversized loads would require an oversize load permit. Strict compliance with all provisions of the permit and close coordination with ADOT and provision of turnouts would ensure that significant traffic impacts would not occur. 	<p>EMF Same as Proposed Action</p> <p>Safety Issues Effects on traffic are similar to the Proposed Action but potentially more disruptive, since it includes use of Segment R3 and R4, which are also used for equipment deliveries and by commuters.</p>	<p>EMF Same as Proposed Action</p> <p>Safety Issues Effects on traffic are less than Proposed Action, or Alternative R as Alternative T pipeline construction would take place parallel to a transmission line and not in close proximity to US 93. Other safety issues are the same as the Proposed Action.</p>	<p>No impacts</p>

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p>All Elements</p> <ul style="list-style-type: none"> • Proper measures would be taken to ensure public health and safety as well as worker safety in both the construction and operation of the plant and pipeline. • No additional demands for county public services would result from the construction and operation of the plant or pipeline because the Proposed Action would include all necessary utilities, including fire, security, water, wastewater disposal, and emergency medical care. <p>Pipeline</p> <ul style="list-style-type: none"> • The Proposed Action includes routine maintenance, aerial pipeline patrols, and leak inspection, which would reduce or eliminate potential impacts related to safety. <p><u>Conclusion:</u> No significant impacts are expected with the implementation of proposed actions to reduce or prevent adverse impacts.</p>	<p><u>Conclusion:</u> Same as Proposed Action.</p>	<p><u>Conclusion:</u> Same as Proposed Action.</p>	
Noise	<p>Power Plant</p> <ul style="list-style-type: none"> • During plant operations, sound levels at closest residence would be approximately 54dBA Ldn, and no significant impacts would be expected. <p>All Elements</p> <ul style="list-style-type: none"> • Construction activities would result in temporary increases in noise levels in vicinity of construction activity. <p>Pipeline</p> <ul style="list-style-type: none"> • Sensitive receptors along the proposed pipeline 	<p>All Elements Similar to Proposed Action, but includes more sensitive receptors along corridor segments R3 and R4; would also impact Carrow-Stephens</p>	<p>All Elements Similar to Proposed Action, but with more residences along corridor segment T5 along river and along US 93.</p>	No impacts

**TABLE 2-9
SUMMARY OF ENVIRONMENTAL CONSEQUENCES BY ALTERNATIVE**

Affected Environment	Proposed Action	Alternative R Gas Pipeline Corridor	Alternative T Gas Pipeline Corridor	No Action
	<p>(residences, businesses) would experience short-term and temporary noise from construction during weekday daylight hours, although these impacts are not expected to be significant.</p> <p><u>Conclusion:</u> No significant impacts expected with the implementation of actions proposed to reduce or prevent adverse impacts.</p>	<p>ACEC users.</p> <p><u>Conclusion:</u> Same as Proposed Action.</p>	<p><u>Conclusion:</u> Same as Proposed Action.</p>	