



# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

DEAN D. EFSTATHIOU, Acting Director

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

September 2, 2008

IN REPLY PLEASE  
REFER TO FILE: **WW-3**

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, CA 90012

Dear Supervisors:

**LOS ANGELES COUNTY WATERWORKS  
DISTRICT NO. 40, ANTELOPE VALLEY  
CONSTRUCTION OF A 48-INCH WATER MAIN BY THE  
ANTELOPE VALLEY-EAST KERN WATER AGENCY  
COOPERATIVE AGREEMENT  
(SUPERVISORIAL DISTRICT 5)  
(3 VOTES)**

**SUBJECT**

This action authorizes the Acting Director of Public Works or his designee to execute a Cooperative Agreement for the construction of a 48-inch-diameter water main by the Antelope Valley-East Kern Water Agency for the Los Angeles County Waterworks District No. 40, Antelope Valley.

**IT IS RECOMMENDED THAT YOUR BOARD ACTING AS THE GOVERNING BODY OF THE COUNTY OF LOS ANGELES AND THE LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY:**

1. Consider the Negative Declaration certified by the Board of the Antelope Valley-East Kern Water Agency on March 27, 2007, together with the environmental findings contained therein; and certify that your Board has independently considered and reached your own conclusions regarding the environmental effects of the proposed project and have determined that the Negative Declaration and environmental findings adequately address the environmental impacts of the proposed project, which is the subject of the Cooperative Agreement.

2. Authorize the Acting Director of Public Works or his designee to execute a Cooperative Agreement between the Antelope Valley-East Kern Water Agency and the Los Angeles County Waterworks District No. 40, Antelope Valley, to construct a water main and metering station.

### **PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

The purpose of these recommended actions is to allow the Los Angeles County Waterworks District No. 40, Antelope Valley (District), to fund the construction of two miles of a 48-inch-diameter water main in Avenue H from 60th Street West to 80th Street West. This two-mile pipeline project will be included in a larger contract by the Antelope Valley-East Kern Water Agency (AVEK) to construct 15 miles of 48-inch-diameter water main. The inclusion of our water main with AVEK's project will significantly reduce the construction cost and duration of the District's water main project. The two-mile pipeline will allow the District to utilize a minimum of 2 million gallons per day of AVEK's treated water and access an existing 32 million-gallon gravity storage.

### **Implementation of Strategic Plan Goals**

The Countywide Strategic Plan directs the provision of Fiscal Responsibility (Goal 4) and Community Services (Goal 6) by coordinating the construction of projects to improve efficiency and minimize potential inconveniences to the public.

### **FISCAL IMPACT/FINANCING**

There will be no impact to the County General Fund.

The actual cost of the water main will be based on a final accounting provided to the District by AVEK. The preliminary cost estimate for the District is \$4 million. Financing for the District's share of the project is included in the Fiscal Year 2008-09 District's Accumulative Capital Outlay Fund (N64).

### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

The attached Cooperative Agreement has been reviewed and approved as to form by County Counsel.

### **ENVIRONMENTAL DOCUMENTATION**

A Notice of Determination was filed on March 28, 2007, by AVEK for the construction of the new water mains, and no appeals were taken within the period. A Negative Declaration (Exhibit A) was prepared by AVEK pursuant to the provisions of the California Environmental Quality Act and certified by AVEK's Board on March 27, 2007. The inclusion of the extension of the water main with AVEK's project will not result in any substantial changes not already discussed in AVEK's Negative Declaration that would implicate new significant environmental effects or a substantial increase in the severity of previously identified less than significant effects. There has not been any substantial change in circumstances or discovery of any substantial new information regarding the project's environmental effects. Accordingly, under the State California Environmental Quality Act Guidelines, Section 15162(c), no subsequent Negative Declaration is required.

### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

The construction of the pipeline will enhance the District's services to its customers by improving the water supply system. The combined construction of the pipeline with the South-North Intercept Project will also minimize inconveniences to the public and residents during construction. This action will not have a negative impact to existing services or planned projects. The project will also provide enhanced water distribution and supply reliability for the District's existing customers.

### **CONCLUSION**

Please return two adopted copies of this letter to the Department of Public Works, Waterworks Division.

Respectfully submitted,



*Fu* DEAN D. EFSTATHIOU  
Acting Director of Public Works

DDE:AA:ea

Attachments

c: Chief Executive Office  
County Counsel

## **COOPERATIVE AGREEMENT**

This COOPERATIVE AGREEMENT, made and entered into by and between the ANTELOPE VALLEY–EAST KERN WATER AGENCY, established by Chapter 2146 of the 1959 Statutes of the State of California (hereinafter referred to as AGENCY), and the LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY, a public county waterworks district formed pursuant to the County Waterworks District Law (hereinafter referred to as DISTRICT):

### **WITNESSETH**

WHEREAS, AGENCY is planning to competitively bid and award a construction contract for the SOUTH/NORTH INTERTIE PROJECT (hereinafter referred to as SNIP); and

WHEREAS, DISTRICT has interest in connecting to SNIP at the intersection of 80th Street West and Avenue H; and

WHEREAS, DISTRICT has interest in building a metering station and 48-inch-diameter water main from 60th Street West to 80th Street West along Avenue H (hereinafter referred to as PROJECT); and

WHEREAS, the PROJECT would increase the DISTRICT'S water supply reliability, utilize AGENCY'S available unused gravity storage capacity, and provide access to water from AGENCY'S Rosamond Water Treatment Plant; and

WHEREAS, DISTRICT desires to utilize from two (2) million gallons per day to ten (10) million gallons per day from the connection to SNIP and obtain access to utilize AGENCY'S 32 million gallons of gravity storage at AGENCY'S Mojave facility; and

WHEREAS, DISTRICT and the AGENCY recognize that by designing the metering equipment to record flows in either direction, significant savings in operating costs can be realized while increasing reliability.

WHEREAS, AGENCY and DISTRICT desire to include the PROJECT in the construction contract for SNIP; and

WHEREAS, the DISTRICT will fund one hundred percent (100%) of the CONSTRUCTION COST OF PROJECT as defined in 3(a).

NOW, THEREFORE, in consideration of the mutual benefits to be derived by both AGENCY and DISTRICT, it is hereby agreed as follows:

(1) AGENCY AGREES:

- a. To award the PROJECT and administer the construction contract; to do all things necessary to complete the PROJECT pursuant to plans and specifications (hereinafter referred to as PLANS); and to act, only after consulting with DISTRICT, on behalf of DISTRICT, in all negotiations pertaining to the PROJECT.
- b. To obtain and comply with all necessary State, local, or other needed regulatory approvals or applicable permits and environmental documents, including, without limitation, performing all acts required by or in connection with the requirements of the California Environmental Quality Act, for the construction of PROJECT.
- c. To notify DISTRICT 48 hours in advance of the start of construction of PROJECT so that the DISTRICT may furnish an inspector to inspect construction of PROJECT. AGENCY'S inspector shall consult with DISTRICT'S inspector with respect to PROJECT, but AGENCY'S inspector's decision shall be final.
- d. To furnish within 60 days after acceptance of PROJECT by the AGENCY a FINAL ACCOUNTING of the actual cost of PROJECT for approval by the DISTRICT.
- e. To advertise PROJECT for construction bids, to award and to administer the construction contract, and to act on behalf of COUNTY in all negotiations pertaining thereto.
- f. To take all necessary steps to complete the PROJECT pursuant to the approved PLANS and the DISTRICT'S satisfaction.
- g. Upon completion of PROJECT, allow DISTRICT access to water from the AGENCY'S Rosamond Water Treatment Plant through the SNIP and access to the 32 million gallons of gravity storage at the AGENCY'S Mojave facility consistent with the Water Service Agreement dated July 17, 1970, between AGENCY and Los Angeles County Waterworks Districts Nos. 4 and 34, which have been subsequently incorporated into DISTRICT.

(2) DISTRICT AGREES:

- a. To prepare the PLANS for use in competitively bidding and awarding a construction contract for the PROJECT.
- b. Upon award of the construction contract for the PROJECT, make payments to AGENCY in the amounts shown on the bid that is accepted

for award of the construction contract for the PROJECT, and to make such payment within 30 days of receipt of invoice from AGENCY.

- c. To provide inspection during construction of the PROJECT to assist AGENCY with compliance of the PROJECT with the PLANS.
- d. To accept ownership of the PROJECT upon: i) completion of the PROJECT pursuant to the PLANS and the DISTRICT'S satisfaction; ii) written acceptance of the PROJECT by the DISTRICT via Warranty Deed/Bill of Sale; and iii) delivery by the AGENCY to the DISTRICT of a FINAL ACCOUNTING that shows the CONSTRUCTION COST OF PROJECT, as defined in 3(a) (hereinafter referred to as FINAL ACCOUNTING).

(3) IT IS MUTUALLY UNDERSTOOD AND AGREED AS FOLLOWS:

- a. The CONSTRUCTION COST OF PROJECT shall mean payments made to third-party contractors pursuant to contracts that will be competitively bid and awarded by the AGENCY for the construction of the PROJECT and an administrative fee paid to the AGENCY of one percent (1%) of the CONSTRUCTION COST OF PROJECT. Both shall be based on the amount shown on the bid that is accepted for award of the construction contract for the PROJECT and include the cost of associated change orders.
- b. The DISTRICT shall have the right to review and approve the FINAL ACCOUNTING and verify the accuracy and validity of the CONSTRUCTION COST OF PROJECT. The DISTRICT reserves the right to adjust the final payment based on the review of the FINAL ACCOUNTING.
- c. That the provisions of any General Services Agreement or Assumption of Liability Agreement shall not apply to this AGREEMENT or the PROJECT.
- d. The SNIP system and associated DISTRICT turnout will be designed to flow into and out of the DISTRICT'S water system. Except as provided herein, this AGREEMENT is intended solely for the benefit of the AGENCY and the DISTRICT, not any third parties and will be operated by the AGENCY for the benefit of the entire AGENCY.
- e. Neither the AGENCY nor the DISTRICT will charge any wheeling charges to the water moved through the turnout at 80th Street West and Avenue H into or out of the DISTRICT'S System.
- f. In the event the PROJECT has not commenced construction within ten (10) years of the date of the signing of this AGREEMENT, this AGREEMENT will be considered expired.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by the ANTELOPE VALLEY-EAST KERN WATER AGENCY on \_\_\_\_\_, 2008, and by the LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY on \_\_\_\_\_, 2008.

ANTELOPE VALLEY-EAST KERN  
WATER AGENCY

LOS ANGELES COUNTY WATERWORKS  
DISTRICT NO. 40, ANTELOPE VALLEY

By *Andy D. Butledge*

By \_\_\_\_\_  
Acting Director of Public Works

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.  
County Counsel

By *Michael J. Glavin*  
Deputy

**EXHIBIT A**

RECOMMENDED BOARD ORDER 8(b-3)

To the Board of Directors

FOR BOARD ACTION

NOTICE OF DETERMINATION  
SOUTH/NORTH INTERTIE

The Board of Directors adopted the following board order on March  
27, 2007:

That the Notice of Determination for the South/North Intertie Project  
be filed, as recommended by Boyle Engineering Corporation.

Motion by Weisenberger

Second by Hunter

Carried Aye

Director Dyas: No

BOARD ORDER 8(b-3)

3-27-07

**Notice of Determination**

Form C

To:  Office of Planning and Research  
PO Box 3044, 1400 Tenth Street, Room 212  
Sacramento, CA 95812-3044

County Clerk  
County of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Antelope Valley-East Kern  
From: (Public Agency) Water Agency  
6500 W. Avenue N  
Palmdale, CA 93551  
(Address)

**Subject:**

Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

South North Intertie Project (SNIP)

**Project Title**

2007011006	Ben P. Horn	661-325-7253
State Clearinghouse Number (If submitted to Clearinghouse)	Lead Agency Contact Person	Area Code/Telephone/Extension

Kern/Los Angeles Counties

**Project Location** (include county)

**Project Description:**

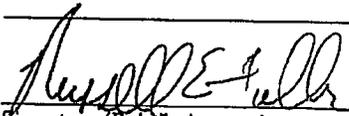
The project consists of connecting AVEK's northern and southern systems to provide redundancy to the surrounding area; this will allow the Agency's operation to maximize the use of existing treatment facilities. The SNIP will increase reliability of the Agency's system by insulating the Agency from outages in the portions in the California Aqueduct between Fairmont and the Quartz Hill WTP.

This is to advise that the Antelope Valley-East Kern Water Agency has approved the above described project on  Lead Agency  Responsible Agency

March 27, 2007 and has made the following determinations regarding the above described project:  
(Date)

1. The project [will will not] have a significant effect on the environment.
2.  An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.  
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [were were not] made a condition of the approval of the project.
4. A statement of Overriding Considerations [was was not] adopted for this project.
5. Findings [were were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval is available to the General Public at:

	March 28, 2007	General Manager
Signature (Public Agency)	Date	Title

Date received for filing at OPR:

January 2004

NOTICE OF INTENT TO ADOPT A NEGATIVE DECLARATION

FOR THE SOUTH NORTH INTERTIE PROJECT (SNIP)

FOR THE

ANTELOPE VALLEY EAST-KERN WATER AGENCY

NOTICE IS HEREBY GIVEN IN ACCORDANCE WITH SECTION 15072 OF THE STATE OF CALIFORNIA ENVIRONMENTAL QUALITY ACT GUIDELINES that said Agency, as Lead Agency, is providing public notice of its intent to adopt a negative declaration for the construction of a pipeline and related pressure reducing/pump station to connect AVEK's northern and southern water distribution systems to provide redundancy to the surrounding area by allowing the Agency's operation to maximize the use of the existing treatment facilities.

The review period for public review of the initial study is thirty (30) days commencing on November 10, 2006.

Antelope Valley East Kern Water Agency

Russ Fuller - General Manager

## **Environmental Checklist**

- 1. Project title:** South North Intertie Project (SNIP)
- 2. Lead agency name and address:** Antelope Valley-East Kern Water Agency (AVEK)  
6500 W. Avenue N  
Palmdale, CA 93551
- 3. Contact person and phone number:** Russell Fuller, General Manager  
661.943.3201
- 4. Project location:** The project area is located in the Antelope Valley.
- 5. Project sponsor's name and address:** AVEK  
6500 W. Avenue N  
Palmdale, CA 93551
- 6. General plan designation:** N/A
- 7. Zoning:** Agricultural/Residential/Vacant
- 8. Description of project:**

The South-North Intertie Project or SNIP consists of connecting AVEK's northern and southern systems to provide redundancy to the surrounding area; this will allow the Agency's operation to maximize the use of existing treatment facilities. The proposed SNIP was identified as a proposed improvement for the Water Supply Capacity Charge adopted by AVEK in 1990. The SNIP will increase reliability of the Agency's system by insulating the Agency from outages in the portions in the California Aqueduct between Fairmont and the Quartz Hill Water Treatment Plant. It is estimated that the proposed SNIP project will include a series of pipelines ranging in diameter from 36 to 48-inches and a pressure reducing/pump station at each terminus of the pipeline.

The SNIP will provide a pipeline from the existing AVEK Central Feeder at the Rosamond Water Treatment Plant Discharge, south to the existing 70<sup>th</sup> Street West Pipeline at Avenue N-8 and 70<sup>th</sup> Street West or to the 60<sup>th</sup> Street West Lateral. Four potential alternative pipeline alignments have been reviewed for the SNIP and include the following. Also, see attached Exhibit A, which details the proposed pipeline alignment alternatives.

### **Alternative 1. 30<sup>th</sup> Street West**

The alternative pipeline alignment begins at the existing Central Feeder at the Rosamond Water Treatment Plant Discharge and runs approximately 10 ½ miles south on 30<sup>th</sup> Street West to Avenue "H" where it will turn west and run three (3) miles to 60<sup>th</sup> Street West. At this point, the pipeline will turn south again and run another five (5) miles to connect at the existing 60<sup>th</sup> Street West Lateral. Total length of pipe for this alternative is about 18.5 miles. A portion of the alignment is along 60<sup>th</sup> Street West in an area which has residential development. Also numerous utilities will be encountered along 60<sup>th</sup> Street West and Avenue H.

### **Alternative 2. 60<sup>th</sup> Street West**

The alternative pipeline alignment will run south along 35<sup>th</sup> Street West from the Central Feeder at the Rosamond Water Treatment Plant Discharge for about 1-½ miles and then west along Holiday Avenue for approximately 2-½ miles. It will then run south along 60<sup>th</sup> Street West to Avenue “M” where it will connect with the exiting 60<sup>th</sup> Street West lateral. The total pipeline length for this alternative is approximately 18 miles. This alternative will have the same residential issues and utility interferences as Alternative 1.

### **Alternative 3. 80<sup>th</sup> Street West**

As with Alternative 2, this alternative will run south along 35<sup>th</sup> Street West from the existing Central Feeder (about 1 ½ miles) and turn west at Holiday Avenue where it will continue for approximately 4-½ miles. It will then turn south at 80<sup>th</sup> Street West and run for about 13 miles, run east for one (1) mile at Avenue “L” and then south again at 70<sup>th</sup> Street West where it will connect with the existing 70<sup>th</sup> Street West Pipeline. The total length of pipe used for this alternative is about 21.5 miles or 113,500 feet. This alternative only has about 2 miles of utility conflicts and has minimal interference with residential development.

### **Alternative 4. 110<sup>th</sup> Street West**

Alternative 4 commences at the same location as Alternatives 2 and 3 and will run west along Holiday Avenue for about 7-½ miles. It will turn south at 110<sup>th</sup> Street West and run for about 11 miles and then zigzag southeast to the 70<sup>th</sup> Street West Pipeline where it will tie in with the existing 70<sup>th</sup> Street West Pipeline. The pipeline will run a total of approximately 27.5 miles. Alternative 4 alignment will require the largest amount of pipeline material of the alternatives and will have similar utility interferences as Alternative 3.

Based on the analysis of the different alternatives for construction feasibility and financial considerations, it is proposed that the 80<sup>th</sup> Street West Alternative (Alternative 3) be selected and is the SNIP alignment that is addressed in the environmental assessment analysis.

### **9. Surrounding land uses and settings:**

The land surrounding the project alignment is either vacant property, farmed parcels or parcels with commercial and residential structures. The pipeline alignment will be along current traveled roadways that are existing or are planned roadway alignments with either dirt or asphalt surfaces. The proposed pipeline location will not jeopardize existing alignments of utilities.

**10. Other public agencies:**

**Agency**

STATE CLEARINGHOUSE  
P.O. Box 3044  
Sacramento, CA 95812-3044

LOCAL ENTITIES

BORON COMMUNITY SERVICES DISTRICT  
Janna Riddle  
P.O. Box 1060  
Boron, CA 93596

CALIFORNIA WATER, ANTELOPE VALLEY  
DISTRICT  
Jose Ojeda  
5015 West Avenue L-14  
Quartz Hill, CA 93536

CITY OF CALIFORNIA CITY  
Dan Allen  
21000 Hacienda Blvd.  
California City, CA 93505

CITY OF LANCASTER  
Randy Williams  
44933 N. Fern Ave.  
Lancaster, CA 93534

CITY OF PALMDALE  
Leon Swaim  
38250 N. Sierra Hwy  
Palmdale, CA 93534

DESERT LAKE COMMUNITY SERVICES  
DISTRICT  
Dolly Kostopoulos  
P.O. Box 567  
Boron, CA 93596

EDGEMONT ACRES MUTUAL WATER CO.  
Ray Young  
P.O. Box 966  
North Edwards, CA 93523-0966

EDWARDS AFB  
Robert Wood  
U.S. Air Force, 5 E.  
Popson Avenue, Edwards AFB, CA  
93524

**Project Review**

**Project Review for Comments**

**Agency**

**Project Review**

LOCAL ENTITIES

FPL ENERGY (KJC OPERATING CO.)

Robert Fimbres  
41100 Highway 395  
Boron, CA 93516

LA COUNTY WATER WORKS

Adam Ariki  
P.O. Box 7508  
Alhambra, CA 91802-7508

MOJAVE PUBLIC UTILITY DISTRICT

Bruce Gaines  
15844 K Street  
Mojave, CA 93501

PALM RANCH IRRIGATION DISTRICT

Phillip Shot  
42116 – 50<sup>th</sup> Street West, Suite D  
Quartz Hill, CA 93536

QUARTZ HILL WATER DISTRICT

Dave Meraz  
P.O. Box 3218  
Quartz Hill, CA 93586

ROSAMOND COMMUNITY SERVICES  
DISTRICT

Robert Neufeld  
3179 – 35<sup>th</sup> Street West  
Rosamond, CA 93560

SUNDALE MUTUAL WATER COMPANY

P.O. Box 6708  
Lancaster, CA 93539

KERN COUNTY PLANNING DEPARTMENT

2700 M Street, Suite 100  
Bakersfield, CA 93301

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project:

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Land use and Planning  | <input checked="" type="checkbox"/> Transportation/Circulation | <input type="checkbox"/> Public Services                          |
| <input type="checkbox"/> Population and housing | <input type="checkbox"/> Biologic Resources                    | <input checked="" type="checkbox"/> Utilities and Service Systems |
| <input type="checkbox"/> Geologic Problems      | <input type="checkbox"/> Energy and Mineral Resources          | <input type="checkbox"/> Aesthetics                               |
| <input type="checkbox"/> Water                  | <input type="checkbox"/> Hazards                               | <input type="checkbox"/> Cultural Resources                       |
| <input checked="" type="checkbox"/> Air Quality | <input checked="" type="checkbox"/> Noise                      | <input type="checkbox"/> Recreation                               |

Mandatory Findings of Significance

**DETERMINATION:** (To be completed by the Lead Agency)

On basis of this initial evaluation, check ONE of the following:

- I find that the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on the attached sheet have been added to the project. A **NEGATIVE DECLARATION** will be prepared.
- I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
- I find that the proposed project **MAY** have a significant effect(s) on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, there **WILL NOT** be a significant effect in this case because all potentially significant effect(s) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the project.

Signature Ben P. Horn

Date 11/3/06

Printed name Ben P. Horn, PE

For Antelope Valley-East Kern Water Agency

**ENVIRONMENTAL IMPACTS:**

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>I. Land Use and Planning. <i>Would the proposal:</i></b>				
a) Conflict with general plan designation or zoning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with applicable environmental plans or policies adopted by agencies with jurisdiction over the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be incompatible with existing land use in the vicinity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Affect agricultural resources or operations(e.g., impacts to soil or farmlands, or impacts from incompatible land uses)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Disrupt or divide the physical arrangement of an established community (including a low-income or minority community)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

- a. The SNIP project is located in a semi-rural part of Kern and Los Angeles counties where the land is predominantly agricultural or vacant. While some parts of the project will run through residential areas, it is anticipated that the affect will be minimal. The project will not physically divide an established community near or in the project area. The 80<sup>th</sup> Street West alignment has about 1 to 1-½ miles that traverses through residential property. The project is compatible with the existing land use in the vicinity and is expected to have no impact on the planned land designation or zoning.
- b. The project will conform to applicable federal and state standards and regulations.
- c,d. The project will be constructed along and within existing traveled roadways and thus will have no affect on the existing land use or agricultural resources or operations.
- e. The final outcome of the project will not disrupt or divide the physical arrangement of the established community.

**II. Population and Housing. *Would the proposal:***

a) Cumulatively exceed official regional or local population projections?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Induce substantial growth in an area either directly or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace existing housing, especially affordable housing?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

- a,c. It is not anticipated that this project will cause the regional or local population to exceed projections or to affect a change in the housing economy.
- b. The project will provide better reliability of the existing water system and is not intended to increase the existing water supply, therefore, the impact to the population (in terms of growth) is considered negligible.

Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**III. Geologic Problems.** *Would the proposal result in or expose people to potential impacts involving:*

a) Fault rupture?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Seismic ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Seiche, tsunami, or volcanic hazard?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Landslides or mudflows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Erosion, changes in topography or unstable soil conditions from excavation, grading, or fill?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Subsidence of land?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expansive soils?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Unique geologic or physical features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,b,c. According to Table 4 (Cities and Counties Affected by Alquist-Priolo Earthquake Fault Zones as of May 1, 1999) as located on the California Geological Survey's website<sup>1</sup>, the town of Rosamond is not located in an earthquake fault zone. However, evidence shows that the Neenach Fault exists just north of the City, but has not caused any kind of seismic damage in the past. It is not anticipated that the project will cause a disruptive geologic event.

d. The Rosamond Dry Lake (lakebed) is the only large body of water in the vicinity. For the majority of the year, the lakebed is a dry flat area that is used by the Air Force (Edwards) as a landing strip for test planes and the location is not in the direct pathway of the project alignment. Therefore, the potential for this impact is very low.

e,f,g,h. The pipeline will be laid along existing traveled roadways and in areas that have already been developed and/or graded. It is anticipated that the project will not alter any existing topography. No unstable soil conditions are known to exist in the project vicinity.

i. The site does not contain any unique geologic or physical features.

<sup>1</sup> <http://www.consrv.ca.gov/CGS/rghm/ap/affected.htm>

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>IV. Water. <i>Would the proposal result in:</i></b>				
a) Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exposure of people or property to water related hazards such as flooding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Discharge into surface waters or other alterations of surface water quality (e.g., temperature, dissolved oxygen or turbidity)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Changes in the amount of surface water in any water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Changes in currents, or the course or direction of water movements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Changes in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations or through substantial loss of groundwater recharge capability?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Altered direction or rate of flow of groundwater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Impacts to groundwater quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Substantial reduction in the amount of groundwater otherwise available for public water supplies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses**

a. The project will be constructed along existing traveled roadways, thus there should be no negative impact from grading and construction activities.

b. Construction of the project improvements will not result in any areas becoming susceptible to flooding.

c,d,e. There are no surface waters in the project vicinity.

f,g,h,i. The nature of the project is such that there will be no contact with the groundwater. It is not anticipated to negatively affect the groundwater or recharge capability of the area.

**V. Air Quality. *Would the proposal:***

a) Violate any air quality standard or contribute to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Expose sensitive receptors to pollutants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Alter air movement, moisture, or temperature, or cause any change in climate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create objectionable odors?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,b,c. The project will not violate air quality standards or contribute to an existing or projected air quality violation. The project will result in short-term construction related air pollutant emissions, particularly dust (PM10), reactive organic gases (ROG), nitrogen oxides (NOx), and carbon monoxide (CO). These

emissions could temporarily exceed adopted standards but measures will be taken, i.e., the use of water for dust control, to keep this to a minimum.

d. The project is not expected to create objectionable odors. There would be no impact.

Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**VI. Transportation/Circulation. *Would the proposal result in?***

a) Increased vehicle trips or traffic congestion?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Hazards to safety from design features (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Inadequate emergency access or access to nearby uses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Insufficient parking capacity onsite or offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Hazards or barriers for pedestrians or bicyclists?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflicts with adopted policies supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Rail, waterborne or air traffic impacts?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

- a. The project will be constructed on existing traveled roadways, some of which will traverse through residential areas. This may cause some traffic congestion during heavy traffic hours (i.e. morning and evening rush hour) and drivers may be instructed to take alternative routes or to decrease driving speed during construction.
- b. There will be no hazards to safety from design features.
- c. During the construction phase, emergency access will not be obstructed. In cases of emergencies, drivers may be instructed to take alternative routes.
- d. Road-side parking may be prohibited during the construction phase of the project. It is not anticipated to a significant negative impact.
- e,f. There will be no hazards or barriers for pedestrians or bicyclists. Existing sidewalks will remain intact during construction.
- g. Rail, waterborne, or air traffic will not be affected by the proposed project.

Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**VII. Biological Resources. *Would the proposal result in impacts to:***

a) Endangered, threatened or rare species or their habitats (including but not limited to plants, fish, insects, animals, and birds)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Locally designated species (e.g., heritage trees)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Locally designated natural communities (e.g., oak forest, coastal habitat, etc..)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Wetland habitat (e.g., marsh, riparian, and vernal pool)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Wildlife dispersal or migration corridors?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,b,c,d,e. The proposed project will be constructed along existing or traveled roadway alignments. It is not anticipated to affect any natural or wildlife habitats or migratory paths.

**VIII. Energy and Mineral Resources. *Would the proposal:***

a) Conflict with adopted energy conservation plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Use nonrenewable resources in a wasteful and inefficient manner?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,b,c. The project area is not designated as an important mineral resource recovery site in local plans. No impacts to energy or mineral resources are anticipated. Care will be taken to construct the project in an energy efficient manner.

**IX. Hazards. *Would the proposal involve:***

a) A risk of accidental explosion or release of hazardous substances (including but not limited to oil, pesticides, chemicals, or radiation)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Possible interference with an emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) The creation of any health hazard or potential health hazard?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Exposure of people to existing sources of potential hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Increased fire hazard in areas with flammable brush, grass, or trees?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,c,d. The proposed project will present no additional health or safety hazards above existing conditions.

- b. The project will not block or close down roads or impair implementation of any emergency response or evacuation plans. No impacts would occur.
- e. In the area of vacant parcels, some flammable brush exist. There will be no impact, since pipeline installation areas will be cleared to eliminate area fire hazards.

Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**X. Noise. *Would the proposal result in:***

- |   |                          |                          |                                     |                                     |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Increase in existing noise levels?         | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Exposure of people to severe noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Clarification for Responses:**

- a. There will be a temporary increase in noise levels created by the use of dirt moving and pipeline installation equipment during the construction phase of the project. Upon completion of the project noise levels will return to acceptable levels. The pressure reducing/pump station at each terminus of the pipeline will be housed in a building to limit any increase in noise levels.
- b. The project will not be expected to result in exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels. Sources of ground-borne noise, such as pile driving, are not proposed as part of the project. Standard construction activities, such as grading, excavation, and site preparation, are not expected to generate significant vibration or ground-borne noise. This impact is less than significant.

**XI. Public Services. *Would the proposal have an effect upon, or result in a need for new or altered government services in any of the following areas:***

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Fire protection?                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Police protection?                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Schools?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Maintenance of public facilities, including roads? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Other government services?                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Clarification for Responses:**

- a,b,c,d,e. The project will not result in substantial adverse physical impacts associated with any of the listed public services. There would be no impact.

Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XII. Utilities and Service Systems. *Would the proposal result in a need for new systems or supplies, or substantial alterations to the following utilities:***

a) Power or natural gas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Communications systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Local or regional water treatment or distribution facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Sewer or septic tanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Storm water drainage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Solid waste disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Local or regional water supplies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,c. Due to the proposed location of the pipeline, utilities will be protected during construction, so as not to cause a disruption of services.

b,d,e,f,g. The project will not negatively affect the communications, sewage, or waste disposal systems and it is not anticipated to have any adverse effects on the local water supply.

**XIII. Aesthetics. *Would the proposal:***

a) Affect a scenic vista or scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a demonstrable negative aesthetic effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Create light or glare?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Clarification for Responses:**

a,b,c. The project will not result in a negative visual/aesthetic impact to the areas near the project sites. The project is not located near any designated scenic highways or near any highways that are currently eligible for designation. No historical buildings trees or rock outcroppings would be affected as a result of the project.

**XIV. Cultural Resources. *Would the proposal:***

a) Disturb paleontological resources?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Disturb archeological resources?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have the potential to cause a physical change , which would affect unique ethnic cultural values?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Restrict existing religious or sacred uses within the potential impact area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Clarification for Responses:

a,b,c,d. There are no known cultural resources along the existing or proposed traveled road alignments in the vicinity of the project.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>XV. Recreation. <i>Would the proposal:</i></b>				
a) Increase the demand for neighborhood or regional parks or other recreational facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Affect existing recreational opportunities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Clarification for Responses:

a,b. The project will have no effect on recreational facilities or recreational opportunities in the nearby residential areas.

**XVI. Mandatory Findings of Significance.**

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Does the project have impacts that are individually limited, but cumulatively considerable ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Clarification for Responses:

a,b,c,d. The proposed project will not adversely affect the environmental setting of the area.

**AVEK - SOUTH/NORTH INTERTIE PROJECT (SNIP)  
PIPELINE ALTERNATIVE ALIGNMENT MAP M-1**

**LEGEND**

- 110TH STREET WEST ALIGNMENT
- 80TH STREET WEST ALIGNMENT
- 60TH STREET WEST ALIGNMENT
- 30TH STREET WEST ALIGNMENT
- EXISTING FEEDER/LATERAL
- EXISTING TREATMENT PLANT OR STORAGE RESERVOIR

MOJAVE TREATED WATER STORAGE RESERVOIR  
 • 2699.5 FULL  
 • 2689.5 2/3 FULL  
 • 2669.5 EMPTY

ROSAMOND WATER TREATMENT PLANT  
 ELEV. BELOWGRADE CLEARWELL  
 • 2384.0 FULL  
 • 2367.0 EMPTY

QUARTZHILL WATER TREATMENT PLANT  
 ELEV. TREATED WATER STORAGE  
 • 2910.0 OVERFLOW  
 • 2900.0 2/3 FULL  
 • 2880.5 EMPTY

AVEK/CALIFORNIA AQUEDUCT TURNOUT

