

34868

TO: Board of Acquisition and Contract

FROM: Jay T. Pisco, P.E.
Commissioner of Public Works and Transportation

DATE: July 9, 2013

SUBJECT: Resolution adopting a Negative Declaration pursuant to the requirements of the State Environmental Quality Review Act in connection with the award to ELQ Industries Inc., Contract No. 13-521 for Installation of Natural Gas Pipeline, Hangar "F" to Lincoln Avenue, Westchester County Airport, Towns of Harrison and North Castle and Village of Rye Brook, New York

There is currently before your Honorable Board a Resolution authorizing the County to award to ELQ Industries Inc., Contract No. 13-521 for Installation of Natural Gas Pipeline, Hangar "F" to Lincoln Avenue, Westchester County Airport, Towns of Harrison and North Castle and Village of Rye Brook, New York. A determination concerning potential environmental impacts of this project must be considered before making this contract award.

Transmitted herewith is an Environmental Assessment Form prepared by the Department of Planning to assist this Honorable Board in making a determination as required by the State Environmental Quality Review Act ("SEQRA").

The Environmental Assessment Form ("EAF"), the criteria contained in Section 617.7 of 6 NYCRR Part 617, and the SEQRA regulations were used to identify the relevant areas of environmental concern. Your Honorable Board may utilize the professional assistance of the Department of Planning in making your determination about whether the proposed action may have a significant impact on the environment.

For the reasons set forth in the proposed Negative Declaration, the Planning Department analysis concludes that the proposed action will not have any significant impact on the environment. The EAF and the proposed annexed Resolution are submitted for your review and consideration.

RESOLUTION

Upon communication from the Commissioner of Public Works and Transportation,

WHEREAS, there is pending before this Board a Resolution to authorize the County of Westchester to award Contract No. 13-521 for Installation of Natural Gas Pipeline, Hangar "F" to Lincoln Avenue, Westchester County Airport, Towns of Harrison and North Castle and Village of Rye Brook, New York, to the low bidder, ELQ Industries Inc., 567 Fifth Avenue, New Rochelle, New York 10801; and

WHEREAS, this Board has determined that the proposed contract award would constitute an action under the State Environmental Quality Review Act ("SEQRA"), requiring this Board to comply with the regulations promulgated pursuant to SEQRA; and

WHEREAS, an Environmental Assessment Form has been prepared by the Department of Planning to assist this Board in complying with the County's responsibilities under SEQRA; and

WHEREAS, this Board has carefully considered the proposed action and has reviewed the Environmental Assessment Form and the criteria contained in Section 617.7 of 6 NYCRR Part 617 of the SEQRA regulations and has identified the relevant areas of environmental concern as are fully set forth in the "Negative Declaration" to determine if the proposed action will have a significant impact upon the environment; now, therefore, be it

RESOLVED, by the Board of Acquisition and Contract of the County of Westchester, State of New York, that based upon this Board's review of the Environmental Assessment Form, and for the reasons set forth in the annexed "Negative Declaration", it is determined that there will be no adverse impact on the environment from the proposed action as described above; and be it further

RESOLVED, that the Secretary of the Board of Acquisition and Contract is authorized and directed to sign the Determination of Significance in the Environmental Assessment Form as Responsible Officer in Lead Agency; to execute and issue the Negative Declaration on behalf of this Board pursuant to Article 8 of the Environmental Conservation Law and to immediately transmit same to the Commissioner of Planning to be filed and made available pursuant to the requirements of Part 617 of the New York Code of Rules and Regulations; and be it further


RESOLVED, that this Resolution shall take effect immediately.

Account to be Charged/Credited	Fund	Dept.	Major Program, Program & Phase Or Unit	Object/ Sub Object	Trust Account	Dollars

Budget Funding Year(s) _____ **Start Date:** _____ **End Date:** _____
(must match resolution)

Funding Source:	Tax Dollars _____ N/A _____	Contractor Federal I.D. No./ Social Security No.: _____
	State Aid _____	
\$ _____ <small>(must match resolution)</small>	Federal Aid _____	Vendor No.: _____
	Other _____	Encumbrance No.: _____

TO: James Antonaccio, R.A.
Department of Public Works

FROM: Edward Buroughs, AICP 
Commissioner

DATE: June 24, 2013

SUBJECT: **SEQR DOCUMENTATION FOR AIRPORT NATURAL GAS LINE (A0099)**

The Planning Department has conducted an environmental review of the above referenced project and has prepared the attached documentation for consideration by the Board of Acquisition and Contract (A&C).

This project has been classified as an Unlisted action pursuant to the State Environmental Quality Review Act and its implementing regulations, 6 NYCRR Part 617 (SEQR). A Negative Declaration and Short Environmental Assessment Form have been prepared. An A&C resolution is needed to adopt the Negative Declaration. The adoption of the Negative Declaration must precede the authorization to award the contract to construct the project.

Please contact my office if you require any additional information regarding these documents.

EEB/cnm

Att.

cc: Jay Pisco, Commissioner of Public Works & Transportation
Patricia Chemka, Deputy Commissioner, Dept. of Public Works & Transportation
Jorge Marmol, Dept. of Public Works & Transportation
David S. Kvinge, Director of Environmental Planning
Patrick Natarelli, Chief Planner
Edward Hoffmeister, Associate Planner

STATE ENVIRONMENTAL QUALITY REVIEW

NEGATIVE DECLARATION

This notice has been prepared pursuant to Part 617 of the implementing regulations pertaining to Article 8 of the New York State Environmental Conservation Law.

The County of Westchester has assumed the role of Lead Agency for the action described below. It has been determined by the County, acting by and through its Board of Acquisition and Contract, that the proposed action will not have a significant effect on the environment.

TITLE OF ACTION: Airport Natural Gas Pipeline

LEAD AGENCY: County of Westchester

SEQR STATUS: Unlisted Action

LOCATION OF ACTION: Westchester County Airport
Village of Rye Brook, Westchester County, New York

NATURE OF ACTION: Installation of approximately 2,800 linear feet of 6-inch diameter pipe from Lincoln Avenue to the vicinity of Hangar F to provide airport facilities with access to natural gas. Also included is the installation of approximately 130 linear feet of 2-inch pipe within the parking area on the south side of hangars C-1 and A to extend gas service to Hangar A.

SEQR DETERMINATION: Negative Declaration

BACKGROUND:

SEQR Classification – The proposed action is classified as an Unlisted action pursuant to Section 617.2(ak), "...all actions not identified as a Type I or Type II action...."

Lead Agency – The County of Westchester is the only involved agency pursuant to SEQR and, therefore, must serve as lead agency.

Project Purpose/Need – Natural gas is more efficient and produces less emissions than oil when used for heating. Tenants of the Westchester County Airport have requested access to natural gas to heat their hangars. In addition to heating County airport facilities, natural gas may be used to power airport vehicles, which will further reduce emissions. Conversion to natural gas, which is supplied via pipeline, would also result in a reduction in the number of oil deliveries to the airport, providing additional environmental as well as operational benefits.

REASONS SUPPORTING THIS DETERMINATION:

The project will result in minimal adverse impacts. The new gas piping will be located underground in disturbed areas, entering from the gate off Lincoln Avenue and running alongside the airport perimeter road, between existing water and electric lines. The use of natural gas in place of oil and gasoline will benefit the environment by reducing hydrocarbon emissions as well as reducing the opportunity for oil spills.

DETERMINATION: Based on the information in the attached Environmental Assessment Form and the criteria in Section 617.7 of 6 NYCRR Part 617, the County of Westchester, acting by and through its Board of Acquisition and Contract, has determined that the proposed project will not have a significant impact on the environment.

CONTACT

PERSON:

David Kvinge, Director of Environmental Planning
Westchester County Department of Planning
148 Martine Avenue, 4th Floor
White Plains, NY 10601
(914) 995-4400



Mary Vieira, Secretary

Westchester County Board of Acquisition and Contract

8/1/13

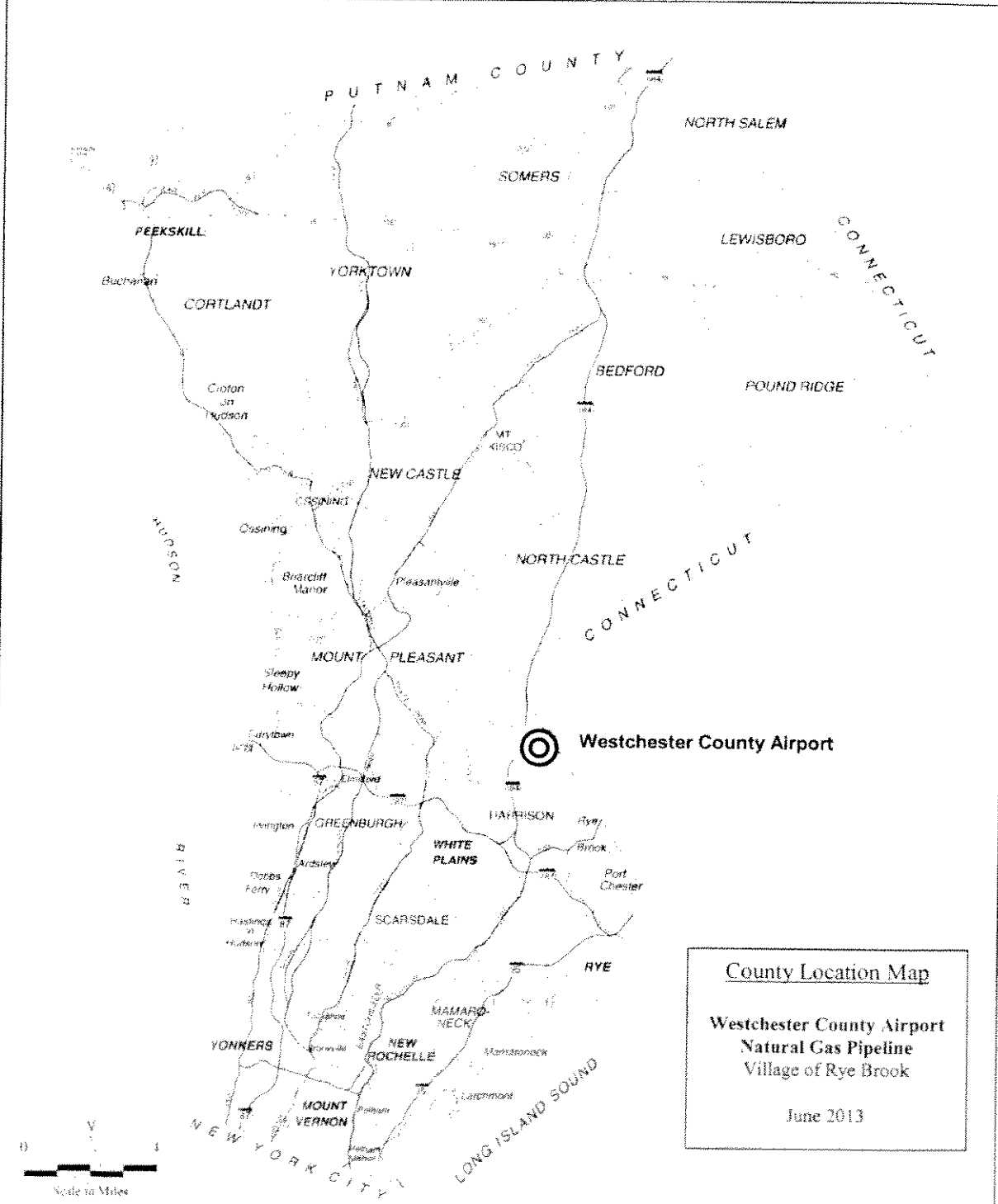
Date

Airport Natural Gas Pipeline (A0099)
Negative Declaration
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Enclosures:

County Location Map
Site Location Map
Short Environmental Assessment Form

WESTCHESTER COUNTY, NEW YORK



County Location Map
**Westchester County Airport
Natural Gas Pipeline
Village of Rye Brook**
June 2013

SITE LOCATION MAP

Westchester County Airport Natural Gas Pipeline
Village of Rye Brook, New York



SHORT ENVIRONMENTAL ASSESSMENT FORM

PART 1 - PROJECT INFORMATION

1. APPLICANT/SPONSOR

County of Westchester

2. PROJECT NAME

Airport Natural Gas Pipeline

3. PROJECT LOCATION:

Westchester County Airport
Village of Rye Brook

County: Westchester

4. PRECISE LOCATION:

Southeast section of airport; north of Lincoln Avenue.

5. IS PROPOSED ACTION:

New Expansion Modification/alteration

6. DESCRIBE PROJECT BRIEFLY:

Installation of approximately 2,800 linear feet of 6-inch diameter pipe from a natural gas main located in Lincoln Avenue to the area between Runway 29 and Hangar F. The line will be installed approximately 3 feet below ground and will run from the Lincoln Avenue gate entrance, along the east side of the perimeter road, where it will connect to an existing pipe that will bring natural gas to the hangars located on the south side of the airport terminal. Additionally, approximately 130 linear of 2-inch diameter pipe will be installed within the parking area on the south side of hangars C-1 and A to extend gas service to hangar A

7. AMOUNT OF LAND AFFECTED:

Initially 0.15 acres Ultimately 0.15 acres

8. WILL PROPOSED ACTION COMPLY WITH EXISTING ZONING OR OTHER EXISTING LAND USE RESTRICTIONS?

Yes No If no, describe briefly N/A

9. **WHAT IS PRESENT LAND USE IN VICINITY OF PROJECT?**

Residential Industrial Commercial Agricultural
 Park/Forest/Open Space Other

DESCRIBE:

The project is located in the southeast section of a public airport. Airport-related uses extend to the north and west. Institutional and residential uses are located to the south and east.

10. **DOES ACTION INVOLVE A PERMIT APPROVAL, OR FUNDING, NOW OR ULTIMATELY FROM ANY OTHER GOVERNMENTAL AGENCY (FEDERAL, STATE OR LOCAL)?**

Yes No If yes, list agency(s) and permit/approvals

11. **DOES ANY ASPECT OF THE ACTION HAVE A CURRENTLY VALID PERMIT OR APPROVAL?**

Yes No If yes, list agency(s) and permit/approvals

12. **AS A RESULT OF PROPOSED ACTION, WILL EXISTING PERMIT/APPROVAL REQUIRE MODIFICATION?**

Yes No N/A

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE.

Applicant/Sponsor Name: County of Westchester Date: 6/21/13

Signature: 
David S. Kvinge, Director of Environmental Planning

PART II - ENVIRONMENTAL ASSESSMENT

A. DOES THE ACTION EXCEED ANY TYPE I THRESHOLD IN 6 NYCRR, PART 617.4? If yes, coordinate the review process and use the Full EAF.

_____ Yes X No

B. WILL ACTION RECEIVE COORDINATED REVIEW AS PROVIDED FOR UNLISTED ACTIONS IN 6 NYCRR, PART 617.6? If no, a negative declaration may be superseded by another involved agency.

_____ Yes X No

C. COULD ACTION RESULT IN ANY ADVERSE EFFECTS ASSOCIATED WITH THE FOLLOWING:

C1. Existing air quality, surface or groundwater quality or quantity, noise levels, existing traffic patterns, solid waste production or disposal, potential for erosion, drainage or flooding problems? Explain briefly:

Installation of the pipeline will have minimal physical impact. A gas main is located on Lincoln Avenue, which borders the airport. The 6-inch diameter gas service line will be installed through disturbed land, between two existing utility lines for much of its length. The 2-inch diameter line will be installed in an area that is paved. The use of natural gas in place of oil for heating and in place of gasoline for airport vehicles will serve to improve air quality as natural gas burns cleaner than oil. In addition, there will be less vehicular emissions associated with the reduction in oil deliveries. Reduced use of oil will also reduce the chance of oil spills.

C2. Aesthetic, agricultural, archaeological, historic, or other natural or cultural resources; or community or neighborhood character? Explain briefly:

No visual or other community impact as the project entails underground utilities with no change in landscape.

C3. Vegetation or fauna, fish, shellfish or wildlife species, significant habitats, or threatened or endangered species? Explain briefly:

No impact. Project is within the developed areas of the airport and will not affect natural habitat.

C4. A community's existing plans or goals as officially adopted, or a change in use or intensity of use of land or other natural resources? Explain briefly:

Installation of a natural gas line does not alter or intensify land use. The project will substitute oil consumption with natural gas consumption.

C5. Growth, subsequent development, or related activities likely to be induced by the proposed action? Explain briefly:

Once completed, this project will only serve hangars on the south side of the terminal. Additional pipe installations will be necessary to extend natural gas to facilities in other areas of the airport. Modifications to existing heating systems will also be necessary to convert to natural gas use.

C6. Long-term, short-term, cumulative, or other effects not identified in C1-C5? Explain briefly:

There will be minimal construction impacts. The project will utilize access roads and staging areas already established in connection with other airport projects.

C7. Other impacts (including changes in use of either quantity or type of energy)? Explain briefly:

The project will reduce dependence on oil. The existing natural gas main/infrastructure is sufficient to serve the airport and surrounding land use.

D. WILL THE PROJECT HAVE AN IMPACT ON THE ENVIRONMENTAL CHARACTERISTICS THAT CAUSED THE ESTABLISHMENT OF A CEA?

_____ Yes X No If yes, explain briefly:

Although located in the Airport 60Ldn noise contour, which was designated as a Critical Environmental Area by the County, the project will not contribute to or be affected by airport noise levels.

E. IS THERE, OR IS THERE LIKELY TO BE, CONTROVERSY RELATED TO POTENTIAL ADVERSE ENVIRONMENTAL IMPACTS?

_____ Yes X No If yes, explain briefly:

PART III - DETERMINATION OF SIGNIFICANCE

- Check this box if you have identified one or more potentially large or significant adverse impacts which MAY occur. Then proceed directly to the FULL EAF and/or prepare a positive declaration.
- Check this box if you have determined, based on the information and analysis above and any supporting documentation, that the proposed action WILL NOT result in any significant adverse environmental impacts AND provide on attachments, as necessary, the reasons supporting this determination:

County of Westchester
Name of Lead Agency

JoMary Vieira
Name of Responsible Officer

Secretary to the Board of Acquisition and Contract
Title

JoMary Vieira
Signature of Responsible Officer

Dan Kozge
Signature of Preparer

8/1/13
Date

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 551 - QUANTUM MECHANICS

PROBLEM SET 1

1. A particle of mass m is confined to a one-dimensional infinite potential well of width L . The potential is zero for $0 < x < L$ and infinite elsewhere.

(a) Find the normalized wave function $\psi(x)$ for the ground state.

(b) Find the energy E_1 of the ground state.

(c) Find the probability of finding the particle in the region $0 < x < L/2$.

(d) Find the expectation value of the momentum $\langle p \rangle$.

2. A particle of mass m is confined to a one-dimensional infinite potential well of width L . The potential is zero for $0 < x < L$ and infinite elsewhere.

(a) Find the normalized wave function $\psi(x)$ for the first excited state.

(b) Find the energy E_2 of the first excited state.

(c) Find the probability of finding the particle in the region $L/2 < x < L$.

(d) Find the expectation value of the momentum $\langle p \rangle$.

3. A particle of mass m is confined to a one-dimensional infinite potential well of width L . The potential is zero for $0 < x < L$ and infinite elsewhere.

(a) Find the normalized wave function $\psi(x)$ for the second excited state.

(b) Find the energy E_3 of the second excited state.

(c) Find the probability of finding the particle in the region $L/3 < x < 2L/3$.

(d) Find the expectation value of the momentum $\langle p \rangle$.