

**Atlantic County Utilities Authority
Egg Harbor Township, New Jersey**

**Request for Proposals
to
Provide Turnkey
Design-build Services
for a
Photovoltaic Generation System**

Issued by: Atlantic County Utilities Authority

Date: October 30th 2009

Proposals Due: January 8th 2010

I. Introduction

The Atlantic County Utilities Authority (ACUA) owns and operates a solid waste complex in Egg Harbor Township, Atlantic County, NJ, known as the Howard F. Haneman Environmental Park. The facility is home to an active landfill, a recycling center, composting site, and ancillary facilities. Also on site is the ACUA's primary administration building, constructed in 1992, which features a closed-loop geothermal HVAC system. The site is home to a 5.4 MW landfill methane gas to electricity project which provides 100% of the power needs of the Park.

The ACUA's solid waste complex is located at 6700 Delilah Road, in Egg Harbor Township, New Jersey. The site consists of approximately 360 acres with approximately 102 acres representing the landfill footprint. All municipal solid waste must be landfilled at night to reduce the risk of bird hazards for the adjacent airport. The landfill has maximum permitted height of 145 feet. Approximately 20 acres of the landfill will be capped and closed in 2009-2010 and the ACUA has indentified approximately 13 of those acres to be suitable for solar photovoltaic panels. The ACUA desires to make productive use of the capped and closed landfill's land and deems solar an economically and environmentally sound option. The ACUA will consider all design-build business models that provide an environmental and economic benefit to the ACUA.

The ACUA's solid waste complex receives all of its electricity from the 5.4 MW landfill methane gas to electricity project and is therefore unable to purchase any of the solar power generated from the project. However, the ACUA recognizes the benefits of on-site demand when developing a solar PV system and has identified a potential purchaser of the solar electricity. The South Jersey Transportation Authority (SJTA), which operates the Atlantic City International Airport, located at William J Hughes Technical Center in Egg Harbor Township, has agreed to consider purchasing the electricity generated from the solar installation if the economics are favorable to them. Our understanding is that the electricity will be produced and sold on the customer side of the meter, or eligible for a net meter agreement. The SJTA and the ACUA have adjacent properties with one state owned road separating them (the Garden State Parkway). We understand that because the road is state owned it can be crossed without triggering retail electricity sales rules. The ACUA anticipates the distance from the potential solar arrays to the SJTA's tie in to be approximately 6,600 feet. Attached to this RFP are a Memorandum of Understand between the ACUA and SJTA for a potential agreement for SJTA to purchase electricity from a landfill solar project at ACUA and the SJTA's electricity load profile. Note: an off take agreement with the SJTA is not a requirement of this RFP but is suggested only as an option and subject to negotiation of a separate agreement or agreements between developer and the SJTA.

The ACUA also owns and operates a regional wastewater treatment facility in Atlantic City, New Jersey. The wastewater facility has been in operation since 1978. It is home to the Jersey-Atlantic Wind Farm, a 7.5 MW wind farm that is privately owned and from which the ACUA purchases approximately 12 million kWh per year of electricity. In addition the facility also houses a 500 kW solar PV system.

The ACUA is responsible to the residents of Atlantic County to be financially prudent and environmentally responsible.

II. General Information

A. Issuing Office and Point of Contact

Comptroller / Director of R&D: Katie Vesey

Email: kvesey@acua.com

Phone: 609-272-6948

Facsimile: 609-569-7365

Address: PO Box 996, Pleasantville, NJ 08232

B. Limits of Liability

The ACUA assumes no liability for any cost incurred by proposers in responding to this RFP or in responding to any further request for interviews, additional information, etc. prior to the issuance of the contract.

C. Type of Contract, Fees and Compensation

The ACUA may execute a long-term lease agreement and/or revenue sharing contract for professional services required to complete the work specified within this RFP. The ACUA does not intend to own or operate the solar PV system.

D. Target Dates

The following schedule shows the target dates for performance of the work. Target dates are subject to change at the Authority's discretion. The ACUA is releasing this RFP prior to completion of the landfill capping process. Award for this RFP is scheduled to take place in February of 2010, however the ACUA anticipates the cap and closure of the landfill area that will be used for solar will not be completed until approximately June of 2010. Therefore after award of this RFP the selected proposer should begin all work that is possible, that would expedite the construction process once the cap and closure of the landfill is complete, allowing the solar PV system to be operational as soon as possible. The selected proposer is encouraged to work with the ACUA and the landfill cap contractor during work on the cap, to be prepared for site conditions once construction of the solar PV system may begin. Site work such as grid interconnection and other site work that is not done on the landfill structure should be done while the cap and closure of the landfill is ongoing. It is anticipated that the schedule will be as follows:

Event	Date
RFP Issued	October 30 th 2009
Site Visit	November 16 th 2009
Questions Due	November 23 rd 2009
Proposals Due	January 8 th 2009
Award Contract	February 18 th 2009
Start of Work and Permitting Process	March 29 th 2009
Construction Begins	July 2010
Completion of Work	October 2010

E. Proposal Format

There is no restriction to length of proposals; however, proposers are encouraged to be as concise as possible. All proposals should include:

1. Letter of transmittal and eight (8) copies of proposal.
2. Project work schedule.
3. Permits and Approvals - a complete list of all necessary permits, the agencies responsible for issuance of same, and a proposed schedule for their acquisition in order to assure compliance with appropriate regulatory timetables.
4. Qualifications:
 - a. Personnel
 - b. Experience and facilities of the Firm(s).
 - c. Recent work history for similar projects, if available.
 - d. Documents to demonstrate financial strength, including financial statements.
 - e. Identification and Qualifications of subcontractors.
5. Business Proposals: Proposals to be considered shall include a land lease agreement. Proposer finances, plans, permits, designs, builds, commissions, owns and operates system. Proposer pays a 15-year annual land lease fee to the ACUA. In addition, the ACUA may share in electricity sales revenue and Solar Renewable Energy Credits (SRECs) for the proposed term.

Proposer to identify:

- 1) annual land lease payment to ACUA (acres to be used * lease fee per acre = total annual lease revenue to ACUA);
 - 2) per kWh cost of electricity for sale to potential off-taker (proposer may include escalator)
 - 3) (optional) method for sharing revenue derived from the sale of electricity including, but not limited to, estimated annual production revenue and percentage to be shared with the ACUA; and,
 - 4) (optional) method for sharing revenue derived from the sale of SRECs including, but not limited to, estimated annual quantity to be sold and percentage to be shared with the ACUA.
6. Summary of Benefits – Developer should include a summary of benefits that their proposal offers the ACUA. Developers are encouraged to be creative and identify all benefits, including, but not limited to: guarantees on construction cost, commercial operation date and solar system output; end of contract provisions and options; and, sharing of environmental benefits.
7. Meetings

A major component of all tasks is cooperation and interaction with the vendor and ACUA on an as necessary basis, as well as potential electric customers when applicable. This shall include but not be limited to a kick-off meeting to discuss the essential goals of the project and monthly meetings.

F. Information and Questions

Questions must be in writing and addressed to the ACUA's Comptroller / Director of Research & Development; Katie Vesey, by 4:30 PM EST on November 23, 2009. Questions can either be e-mailed or faxed to Ms. Vesey. It is the proposer's responsibility to ensure their questions were received by the ACUA. A collective site visit is scheduled for November 16, 2009, 10:00AM at the project site. Directions to the site are available on the ACUA website www.acua.com.

It is the developers responsibility to perform due diligence. Failure to perform full due diligence does not relieve developer from fulfilling project requirements.

- G. Evaluation Criteria- ACUA will evaluate proposals based on pricing and other economic factors, environmental benefits to be achieved by the project, detailed technical approach to the project, experience and qualifications of the developer and subcontractors as well as financial strength of the developer. Proposals should provide the most economic benefit to both the ACUA and SJTA (if proposer chooses to sell power to SJTA).

III. Project Description

General Description

The ACUA is requesting proposals from qualified professionals to provide turnkey services to design-build a complete and operating Photovoltaic Generation System (PV System) at the ACUA Landfill located in Egg Harbor Township, New Jersey. Services are to include, but not be limited to planning, permitting, design, construction, interconnection, commissioning and operation.

The PV System is to include solar arrays, inverters, wiring, metering, controls, etc. to provide an energy efficient PV System that is life cycle cost effective. The size of the system is not specified; vendors are encouraged to build the most economic, cost-beneficial system that will provide the highest and best economic and environmental benefits to the ACUA.

Interconnection rules and regulations are not included with the RFP. It is the responsibility of the proposer to identify whether the size and scope of the project they propose will be a Net Metered or Merchant Generator system. The ACUA understands that the professionals responding to this RFP are aware of the rules and regulations as they relate to solar production in the state of New Jersey. In addition, due to the unidentified size of the project, it is not possible for the ACUA to identify the applicable rules and regulations. The landfill resides in Atlantic City Electric territory.

The ACUA may elect (or be required) to proceed with a traditional or performance-based bid procurement process for this project under the same timeframe. In this event the ACUA's "bid document" will be based upon information obtained from Proposals submitted in response to this RFP. Responding to this RFP is acknowledgement that the proposer has no objection to the ACUA utilizing technical information from the proposal for this purpose.

General Site Conditions

The project is located on the ACUA landfill which is located at 6700 Delilah Road, Egg Harbor Township, NJ. The landfill site is a total of 360 acres with approximately 102 acres being classified as the landfill. Of the 102 acres identified as landfill, approximately 20 acres are closed and will be capped, and approximately 13 of those acres have been identified as suitable for solar panels (see attachment A). By identifying suitable areas the ACUA does not intend to preclude other options or feasible locations on the site for the project. Proposers should utilize their experience and best judgment when assessing potential locations.

Again, the ACUA is providing the locations as examples only and does not intend to restrict the potential locations.

The ACUA's landfill is located in close proximity to the Atlantic City Airport's runways. As such the ACUA must cooperate with certain rules and regulations on the landfill from the Federal Aviation Administration. See Attachment D for further information.

General Technical Information

The ACUA recognizes that the current project scope including technical details will evolve as the project matures. For the benefit of comparing proposals it is requested that proposers attempt to follow the scope as closely as possible recognizing that the project may change if it is in the best interest of the project to do so.

The arrays may be pole or ground-mounted with fixed or module tracking (single or double axis). The ACUA will choose the array-mounting configuration that is the most cost effective or revenue beneficial over the life of the project. The foundation system must not penetrate the landfill liner system and must be suitable for a capped landfill.

For purposes of this RFP, warranties will be the obligation of the owner of the system. The minimum warranty requirements are 25 years at the rated power output, 5 years for the inverter(s) and 10 years for installation.

System Design

The selected proposer will be responsible for providing a design that meets the ACUA's objectives. It may be necessary for the ACUA to publicly bid the project. Therefore, the preliminary technical design (minus site specific drawings) including drawings or detail sheets showing the PV panels, the inverters, metering, controls and other required components and specifications for all equipment and installation should be submitted with the proposal. Drawings should be provided in AutoCAD 2000 or later format and equipment specifications for all equipment and installation should be provided in MS Word format. One (1) set of design documents on CD-ROM should be provided. The CD can be returned to the sender if requested.

Real Time Monitoring

Web-based monitoring will be developed and maintained to display the benefits of the PV installation and help promote the project in the community. The web site will be linked to the ACUA and possibly the SJTA web sites and be available for public access. The monitoring will include instantaneous kW and kWh; daily kWh generation; kW and kWh output on a monthly basis; and actual year-to-date and lifetime kWh.

Permits and Licenses

The selected proposer is responsible for permitting the project. The Proposer and/or the sub-contractor should be registered with the State of New Jersey as a licensed installer of Solar Electric equipment. In addition, Land Use Regulation permit(s) issued by the NJDEP may be necessary depending on the location of the improvements. The ACUA will assist as necessary with obtaining of permits.

Public Works Contracting Laws

Vendors must recognize that renewable energy projects fall under State public works contracting laws, i.e., prevailing wages, Business Registration and Public Works Contractor Registration laws, among others. In addition, as these systems connect to building power systems or the electric grid, laws and regulations concerning electrical contractors also apply. Subcontractors may also fall under these requirements.

Bidders are required to comply with the requirements of **N.J.S.A. 10:5-31 et seq. and N.J.A.C.17:27.**

Business Registration - Note that all proposers must comply with the Business Registration requirements of the New Jersey Department of Community Affairs in accordance with N.J.S.A. 25:32-44. **Firms must submit a copy of their New Jersey Business Registration Certificate with their Proposal. Failure to do so will be cause for rejection of the firm's Proposal.**

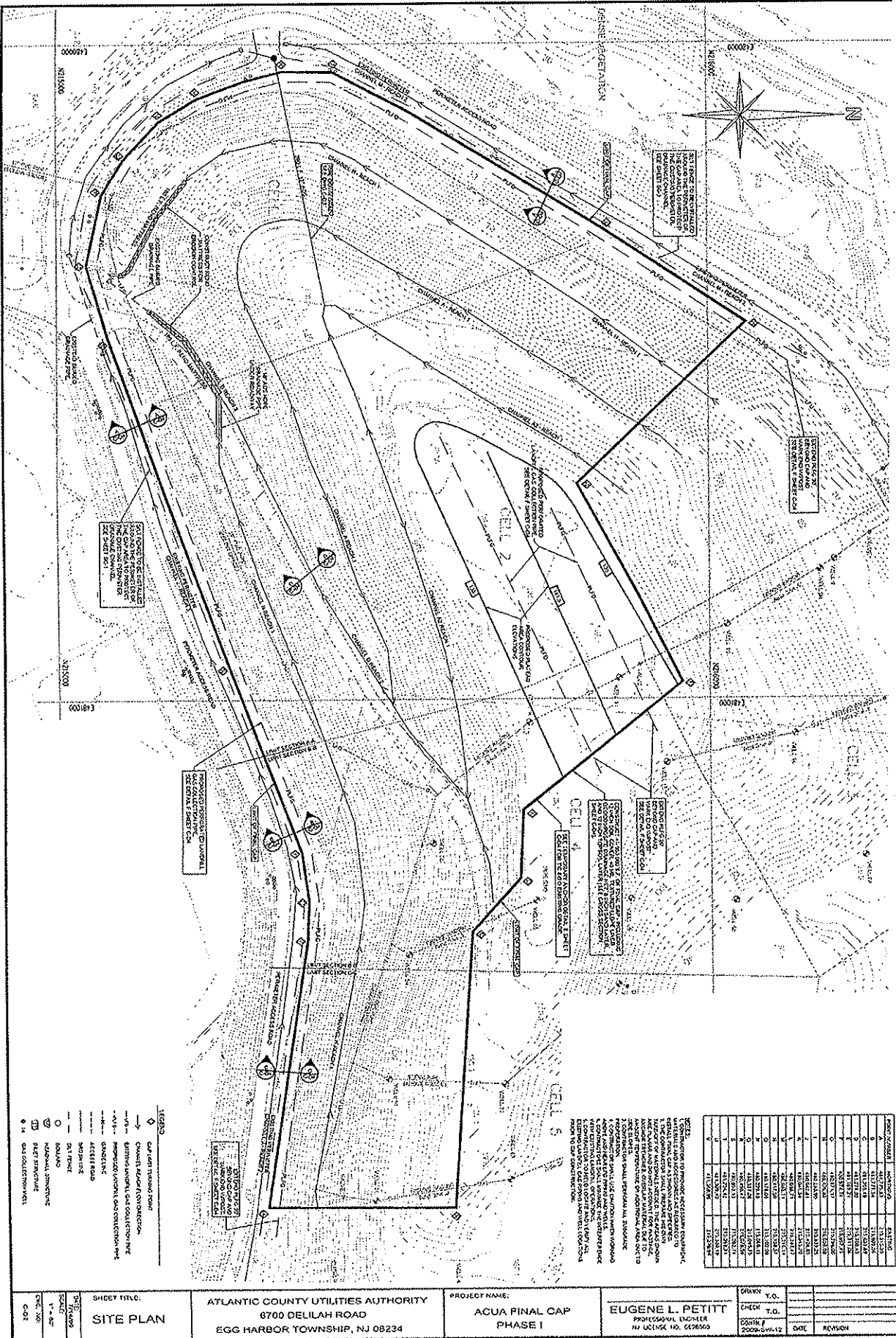
New Jersey Pay to Play Regulations - This contract will be subject to New Jersey Pay to Play regulations. Upon receipt of the current Candidate Committee List from the Atlantic County Clerk, the Authority will provide to the Contractor and the Contractor as soon as is reasonably possible will complete and submit a Business Entity Disclosure Certification which will certify that the Contractor has not made any reportable contributions to a political or candidate committee in the County of Atlantic (1) in the previous one year; (2) and from January, 2009 to the date of award; (3) that the contract will prohibit the Contractor from making any reportable contributions through the term of the contract.

Interconnection and Metering

The selected proposer will be responsible for interconnection and metering. The PV System interconnection will be subject to all requirements of Atlantic City Electric and/or PJM Interconnection. It is the proposer's responsibility to identify and execute necessary applications, interconnection sites, contracts, etc. based on the size of the proposed system.

IV. List of Attachments

Attachment A - Final Cover Plan (Topography Map)
Attachment B - SJTA Intent Resolution
Attachment C – FAA Form NPCA 7460-1



ATTACHMENT B

RESOLUTION 2009 - 129

**RESOLUTION OF THE SOUTH JERSEY TRANSPORTATION AUTHORITY
EXPRESSING AN INTEREST IN THE PURCHASE OF ELECTRICITY GENERATED
FROM SOLAR POWER FACILITIES LOCATED ON THE PROPERTY OF THE
ATLANTIC COUNTY UTILITIES AUTHORITY**

WHEREAS, The South Jersey Transportation Authority (the “Authority”) was established and created pursuant to the South Jersey Transportation Authority Act (the “Act”), N.J.S.A. 27:25A-1, *et seq.*; and

WHEREAS, Pursuant to Sections 23 and 24 of the Act, the Authority has become the successor of the New Jersey Expressway Authority, and has become the owner and operator of the Atlantic City Expressway (the “Expressway”), and the Atlantic City International Airport (the “Airport”); and

WHEREAS, Pursuant to Section 7(x) of the Act, the Authority has the power to enter into any and all agreements or contracts, execute any and all instruments, and do and perform any and all acts or things necessary, convenient or desirable for the purposes of the Authority or to carry out any powers expressly given in the Act; and

WHEREAS, The Authority is actively investigating alternatives to the purchase of electricity that would be less costly to the Authority and has issued a Request for Proposals for the development of a combined heating, cooling and electric power (CHCP) facility to be located at the Airport; and

WHEREAS, This CHCP would be capable of servicing the airport and possibly other users that are in close proximity of the Airport; and

WHEREAS, The Atlantic County Utilities Authority (ACUA) plans to issue a Request for Proposals for the development of a solar power electricity facility on the their property, which is contiguous to Airport; and

WHEREAS, The ACUA has inquired if the Authority would be interested in being a purchaser of electricity from their new solar power facility; and

WHEREAS, As the Authority supports the development of clean fuel alternatives, the Authority believes that the purchase of solar power electricity produced on the ACUA property should be explored further to ascertain if it would be beneficial and if it could be coordinated with the Authority's current facilities and the proposed CHCP facility; and

WHEREAS, The Director of Engineering believes it to be in the best interest of the Authority and recommends authorization to declare the Authority's interest to explore further the purchase of solar power electricity produced on the ACUA property and to ascertain if it would be beneficial and if said solar power electricity purchase could be coordinated with the Authority's current facilities and the proposed CHCP facility; and

WHEREAS, Declaring the Authority's interest in such a program is consistent with the Authority's powers and duties set forth in the Act.

NOW, THEREFORE, BE IT *RESOLVED*, That the Commissioners of the Authority, pursuant to and in furtherance of the powers granted to the Authority under Section 7(x) of the Act, hereby authorizes the Executive Director to declare the Authority's interest to explore further the purchase of solar power electricity produced on the ACUA property and to ascertain if it would be beneficial and if said solar power electricity purchase could be coordinated with the Authority's current facilities and the proposed CHCP facility.

BE IT FURTHER *RESOLVED*, That the Executive Director, or his designee, is hereby authorized and directed to take all actions and execute all documents necessary to carry out the purpose of this resolution.

Dated: August 26, 2009

ATTEST: SOUTH JERSEY TRANSPORTATION AUTHORITY

Susan Drake
Board Secretary

By: _____
Stephen Dilts
Chairman

Commissioner	Motion	2 nd	Yea	Nay	Abstain	Recused	Absent
Chairman Stephen Dilts							
Vice Chairman Mark Summerville							
Commissioner Jeffery A. April							
Commissioner Joseph W. Devine							
Commissioner James U. Gaymon							
Commissioner C. Robert McDevitt							
Commissioner Joseph Ripa							
Commissioner Louis Toscano							

Resolution 2009 - 129

ATTACHMENT C
NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

§77.13 Construction or alteration requiring notice.

(a) Except as provided in §77.15, each sponsor who proposes any of the following construction or alteration shall notify the Administrator in the form and manner prescribed in §77.17.

- (1) Any construction or alteration of more than 200 feet in height above the ground level at its site.
- (2) Any construction or alteration of greater height than imaginary surface extending outward and upward at one of the following slopes:
 - (i) 1 00 to 1 for horizontal distance of 20,000 feet from the nearest point of the nearest runway of each airport specified in paragraph (a)(5) or this section with at least one runway more than 3,200 feet in actual length, excluding heliports.
 - (ii) 50 to 1 for horizontal distance of 10,000 feet from the nearest point of the nearest runway of each airport specified in paragraph (a)(5) of this section with its longest runway no more than 3,200 feet in actual length, excluding heliports.
 - (iii) 25 to 1 for a horizontal distance of 5,000 feet from the nearest point of the nearest landing and takeoff area of each heliport specified in paragraph (a)(5) of this section.

(3) Any highway, railroad, or other traverse way for mobile objects, of a height which, if adjusted upward 17 feet for an Interstate Highway that is part of the National System of Military and Interstate Highways where overcrossings are designed for a minimum of 17 feet vertical clearance, 16 feet for any other public roadway, 10 feet or the height of the highest mobile object that would normally traverse the road, whichever is greater, for a private road, 23 feet for a railroad, and for a waterway or any other traverse way not previously mentioned, an amount equal to the height of the highest mobile object that would normally traverse it, would exceed a standard of paragraph (a)(1) or (2) of this section.

(4) When requested by the FAA, any construction or alteration that would be in an instrument approach area (defined in the FAA standards governing instrument approach procedures) and available information indicates it might exceed a standard of Subpart C of this part.

(5) Any construction or alteration on any of the following airports (including heliports):

- (i) An airport that is available for public use and is listed in the Airport Directory of the current Airman's Information Manual or in either the Alaska or Pacific Airman's Guide and Chart Supplement.
- (ii) An airport under construction, that is the subject of a notice or proposal on file with the Federal Aviation Administration, and except for military airports, it is clearly indicated that airport will be available for public use.
- (iii) An airport that is operated by an armed force of the United States.

(b) Each sponsor who proposes construction or alteration that is the subject of a notice under paragraph (a) of this section and is advised by an FAA regional office that a supplemental notice is required shall submit that notice on a prescribed form to be received by the FAA regional office at least 48 hours before the start of construction or alteration.

(c) Each sponsor who undertakes construction or alteration that is the subject of a notice under paragraph (a) of this section shall, within 5 days after that construction or alteration reaches its greatest height, submit a supplemental notice on a prescribed form to the FAA regional office having jurisdiction over the region involved, if —

- (1) The construction or alteration is more than 200 feet above the surface level of its site; or
- (2) An FAA regional office advises him that submission of the form is required.

§77.15 Construction or alteration not requiring notice.

No person is required to notify the Administrator for any of the following construction or alteration:

- (a) Any object that would be shielded by existing structures of a permanent and substantial character or by natural terrain or topographic features of equal or greater height, and would be located in the congested area of a city, town, or settlement where it is evident beyond all reasonable doubt that the structure so shielded will not adversely affect safety in air navigation.
- (b) Any antenna structure of 20 feet or less in height except one that would increase the height of another antenna structure.
- (c) Any air navigation facility, airport visual approach or landing air, aircraft arresting device, or meteorological device, of a type approved by the Administrator, or an appropriate military service on military airports, the location and height of which is fixed by its functional purpose.
- (d) Any construction or alteration for which notice is required by any other FAA regulation.

§77.17 Form and time of notice

(a) Each person who is required to notify the Administrator under §77.13 (a) shall send one executed form set of FAA Form 7460-1, Notice of Proposed Construction or Alteration, to the Manager, Air Traffic Division, FAA Regional Office having jurisdiction over the area within which the construction or alteration will be located. Copies of FAA Form 7460-1 may be obtained from the headquarters of the Federal Aviation Administration and the regional offices.

(b) The notice required under §77.13 (a)(1) through (4) must be submitted at least 30 days before the earlier of the following dates —

- (1) The date the proposed construction or alteration is to begin.
- (2) The date an application for a construction permit is to be filed.

However, a notice relating to proposed construction or alteration that is subject to the licensing requirements of the Federal Communications Act may be sent to the FAA at the same time the application for construction is filed with the Federal Communications Commission, or at any time before that filing.

(c) A proposed structure or an alteration to an existing structure that exceeds 2,000 feet in height above the ground will be presumed to be a hazard to air navigation and to result in an inefficient utilization of airspace and the applicant has the burden of overcoming that presumption. Each notice submitted under the pertinent provisions of this part 77 proposing a structure in excess of 2,000 feet above ground, or an alteration that will make an existing structure exceed that height, must contain a detailed showing, directed to meeting this burden. Only in exceptional cases, where the FAA concludes that a clear and compelling showing has been made that it would not result in an inefficient utilization of the airspace and would not result in a hazard to air navigation, will a determination of no hazard be issued.

(d) In the case of an emergency involving essential public services, public health, or public safety that required immediate construction or alteration, the 30 day requirement in paragraph (b) of this section does not apply and the notice may be sent by telephone, telegraph, or other expeditious means, with an executed FAA Form 7460-1 submitted within five (5) days thereafter. Outside normal business hours, emergency notices by telephone or telegraph may be submitted to the nearest FAA Flight Service Station.

(e) Each person who is required to notify the Administrator by paragraph (b) or (c) of §77.13, or both shall send an executed copy of FAA Form 7460-2, Notice of Actual Construction or Alteration, to the Manager, Air Traffic Division, FAA Regional Office having jurisdiction over the area involved.

ADDRESSES OF THE REGIONAL OFFICES

Alaska Region
AK
Alaskan Regional Office
Air Traffic Division, AAL-530
222 West An Avenue
Anchorage, AK 99513
Tel: 907-271-5893

Central Region
IA, KS, MO, NE
Central Regional Office
Air Traffic Division, ACE-520
60 East 12th Street
Kansas City, MO 64108
Tel: 816-428-3408 or 3409

Eastern Region
DC, DE, MD, NJ, NY, PA, VA, WV
Eastern Regional Office
Air Traffic Division, AEA-520
JFK International Airport
Fitzgerald Federal Building
Jamaica, NY 11430
Tel: 718-593-2616

Great Lakes Region
IL, IN, MI, MN, ND, OH, SD
Great Lakes Regional Office
Air Traffic Division, AGL-520
2300 East Devon Avenue
Des Plaines, IL 60018
Tel: 847-294-7568

New England Region
CT, MA, ME, NH, RI, VT
New England Regional Office
Air Traffic Division, ANE-520
12 New England Executive Park
Burlington, MA 01803-5289
Tel: 781-238-7520

Northwest Mountain Region
CO, ID, MT, OR, UT, WA, WY
Northwest Mountain Regional Office
Air Traffic Division, ANM-520
1601 Lind Avenue, SW
Renton, WA 98056-4056
Tel: 425-222-2525

Southern Region
AL, FL, GA, KY, MS, NC, PR
SC, TN, VA
Southern Regional Office
Air Traffic Division, ASD-520
1701 Columbia Avenue
College Park, GA 30337
Tel: 404-305-6685

Southwest Region
AR, LA, NM, OK, TX
Southwest Regional Office
Air Traffic Division, ASW-520
2601 Meacham Boulevard
Fort Worth, TX 76137-0520
Tel: 817-222-5531

Western Pacific Region
HI, CA, NV, AZ, GU
Western-Pacific Regional Office
Air Traffic Division, AWP-520
15000 Aviation Boulevard
Hawthorne, CA 90280
Tel: 310-725-6567

INSTRUCTIONS FOR COMPLETING FAA FORM 7460-1

PLEASE TYPE or PRINT

ITEM #1. Please include the name, address and phone number of a personal contact point as well as the company name.

ITEM #2. Please include the name, address and phone number of a personal contact point as well as the company name.

ITEM #3. New Construction would be a structure that has not yet been built.

Alteration is a change to an existing structure such as the addition of a side mounted antenna, a change to the marking and lighting, a change to power and/or frequency, or a change to the height. The nature of the alteration shall be included in ITEM #21 "Complete Description of Proposal".

Existing would be a correction to the latitude and/or longitude, a correction to the height, or if filing on an existing structure which has never been studied by the FAA. The reason for the notice shall be included in ITEM #21 "Complete Description of Proposal".

ITEM #4. If Permanent, so indicate. If Temporary, such as a crane or drilling derrick, enter the estimated length of time the temporary structure will be up.

ITEM #5. Enter the date that construction is expected to start and the date that construction should be completed.

ITEM #6. Please indicate the type of structure. **DO NOT LEAVE BLANK.**

ITEM #7. In the event that obstruction marking and lighting is required, please indicate type desired. If no preference, check "other" and indicate "no preference" **DO NOT LEAVE BLANK.** **NOTE:** High intensity lighting shall be used only for structures over 500' AGL. In the absence of high intensity lighting for structures over 500' AGL, marking is also required.

ITEM #8. If this is an existing tower that has been registered with the FCC, enter the FCC Antenna Structure Registration number here.

ITEM #9 and #10. Latitude and longitude must be geographic coordinates, accurate to within the nearest second or to the nearest hundredth of a second if known. Latitude and longitude derived solely from a hand-held GPS instrument is **NOT** acceptable. A hand-held GPS is only accurate to within 100 meters (328 feet) 95 percent of the time. This data, when plotted, should match the site depiction submitted under ITEM #20.

ITEM #11. NAD 83 is preferred; however, latitude and longitude may be submitted in NAD 27. Also, in some geographic areas where NAD 27 and NAD 83 are not available other datums may be used. It is important to know which datum is used. **DO NOT LEAVE BLANK.**

ITEM #12. Enter the name of the nearest city and state to the site. If the structure is or will be in a city, enter the name of that city and state.

ITEM #13. Enter the full name of the nearest public-use (*not private-use*) airport or heliport or military airport or heliport to the site.

ITEM #14. Enter the distance from the airport or heliport listed in #13 to the structure.

ITEM #15. Enter the direction from the airport or heliport listed in #13 to the structure.

ITEM #16. Enter the site elevation above mean sea level and expressed in whole feet rounded to the nearest foot (e.g. 17'3" rounds to 17', 17'6" rounds to 18'). This data should match the ground contour elevations for site depiction submitted under ITEM #20.

ITEM #17. Enter the total structure height above ground level in whole feet rounded to the next highest foot (e.g. 17'3" rounds to 18'). The total structure height shall include anything mounted on top of the structure, such as antennas, obstruction lights, lightning rods, etc.

ITEM #18. Enter the overall height above mean sea level and expressed in whole feet. This will be the total of ITEM #16 + ITEM #17.

ITEM #19. If an FAA aeronautical study was previously conducted, enter the previous study number.

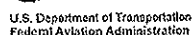
ITEM #20. Enter the relationship of the structure to roads, airports, prominent terrain, existing structures, etc. Attach an 8-1/2" x 11" non-reduced copy of the appropriate 7.5 minute U.S. Geological Survey (USGS) Quadrangle Map MARKED WITH A PRECISE INDICATION OF THE SITE LOCATION. To obtain maps, contact USGS at 1-800-435-7627 or via internet at "<http://mapping.usgs.gov>". If available, attach a copy of a documented site survey with the surveyor's certification stating the amount of vertical and horizontal accuracy in feet.

ITEM #21.

- For transmitting stations, include maximum effective radiated power (ERP) and all frequencies.
- For antennas, include the type of antenna and center of radiation (*Attach the antenna pattern, if available*).
- For microwave, include azimuth relative to true north.
- For overhead wires or transmission lines, include size and configuration of wires and their supporting structures (*Attach depiction*).
- For each pole/support, include coordinates, site elevation, and structure height above ground level or water.
- For buildings, include site orientation, coordinates of each corner, dimensions, and construction materials.
- For alterations, explain the alteration thoroughly.
- For existing structures, thoroughly explain the reason for notifying the FAA (e.g. *corrections, no record or previous study, etc.*).

Filing this information with the FAA does not relieve the sponsor of this construction or alteration from complying with any other federal, state or local rules or regulations. If you are not sure what other rules or regulations apply to your proposal, contact local/state aviation and zoning authorities.

Paperwork Reduction Work Act Statement: This information is collected to evaluate the effect of proposed construction or alteration on air navigation and is not confidential. Providing this information is mandatory for anyone proposing construction or alteration that meets or exceeds the criteria contained in 14 CFR, part 77. We estimate that the burden of this collection is an average 19 minutes per response. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number for this collection is 2120-0001. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC 20591, Attn: Information Collection Clearance Officer, ABA-20.



Notice of Proposed Construction or Alteration

Antagonistic Study Numbers

FAA Form 7460-1 (2-99) Supersedes Previous Edition