Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2011-WTW-6009-OE
Prior Study No.
2011-WTW-3481-OE

Issued Date: 08/22/2011

robert matthews
Robert Matthews
712 7th Avenue North
St Petersburg, FL 33701

**** NOTICE OF PRESUMED HAZARD ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Wind Turbine AWE
Location:	Carson City, NV
Latitude:	39-12-24.79N NAD 83
Longitude:	119-40-49.43W
Heights:	199 feet above ground level (AGL) 5159 feet above mean sea level (AMSL)

Initial findings of this study indicate that the structure as described exceeds obstruction standards and/or would have an adverse physical or electromagnetic interference effect upon navigable airspace or air navigation facilities. Pending resolution of the issues described below, the structure is presumed to be a hazard to air navigation.

If the structure were reduced in height so as not to exceed 129 feet above ground level (5089 feet above mean sea level), it would not exceed obstruction standards and a favorable determination could subsequently be issued.

Any height exceeding 129 feet above ground level (5089 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

See Attachment for Additional information.

NOTE: PENDING RESOLUTION OF THE ISSUE(S) DESCRIBED ABOVE, THE STRUCTURE IS PRESUMED TO BE A HAZARD TO AIR NAVIGATION. THIS LETTER DOES NOT AUTHORIZE CONSTRUCTION OF THE STRUCTURE EVEN AT A REDUCED HEIGHT. ANY RESOLUTION OF THE ISSUE(S) DESCRIBED ABOVE MUST BE COMMUNICATED TO THE FAA SO THAT A FAVORABLE DETERMINATION CAN SUBSEQUENTLY BE ISSUED.

IF MORE THAN 60 DAYS FROM THE DATE OF THIS LETTER HAS ELAPSED WITHOUT ATTEMPTED RESOLUTION, IT WILL BE NECESSARY FOR YOU TO REACTIVATE THE STUDY BY FILING A NEW FAA FORM 7460-1, NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-WTW-6009-OE.

Signature Control No: 143536948-148217101 (NPH -WT)
Donna ONeill
Specialist

Attachment(s)
Additional Information

Additional information for ASN 2011-WTW-6009-OE

The proposed construction is a wind turbine that would be located approximately 2,116 ft. northeast of the Parker-Carson Airport (2Q5), Carson City, NV. It is identified as an obstruction under the standards of 14 CFR, part 77, as applied to the Parker-Carson Airport as follows:

Section 77.17(a)(5): The surface of a takeoff and landing area of an airport or any imaginary surface established under 77.19, 77.21, or 77.23; would exceed the horizontal surface by 70 ft.

The structure is located within the traffic pattern airspace (TPA) for all categories of aircraft using the Parker-Carson Airport. The proposal would exceed the horizontal surface as applied to visual approach runways at 2Q5. The most recent records available indicate this airport has approximately 1,500 operations per year. It would be reasonable to conclude that an average of at least one VFR operation per day would be affected and, if the operations data is confirmed, would constitute substantial adverse effect.

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2010-WTW-16651-OE

Issued Date: 06/17/2011

robert matthews
robert matthews
712 7th ave nue north
St petersburg, FL 33701

**** PUBLIC NOTICE ****

The Federal Aviation Administration is conducting an aeronautical study concerning the following:

Structure:	Wind Turbine G farwest
Location:	carson city,
Latitude:	39-12-24 D 83
Longitude:	119-40
Heights:	225 vel (AGL)
	52 evel (AMSL)

DOW - 4980

The structure above ex eeds obst etermine its effect upon the safe and efficient use of navigable airspace by aircraft a air navigation facilities, the FAA is conducting an aeronautical study under the pro , Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77.

** SEE REVERSE SIDE FOR ADDITIONAL INFORMATION **

In the study, consideration will be given to all facts relevant to the effect of the structure on existing and planned airspace use, air navigation facilities, airports, aircraft operations, procedures and minimum flight altitudes, and the air traffic control system.

Interested persons are invited to participate in the aeronautical study by submitting comments to the above FAA address or through the electronic notification system. To be eligible for consideration, comments must be relevant to the effect the structure would have on aviation, must provide sufficient detail to permit a clear understanding, must contain the aeronautical study number printed in the upper right hand corner of this notice, and must be received on or before 07/24/2011.

This notice may be reproduced and circulated by any interested person. Airport managers are encouraged to post this notice.

If we can be of further assistance, please contact our office at (816) 329-2525. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-WTW-16651-OE.

Signature Control No: 133574642-144618822 (CIR -WT)
Donna ONeill
Specialist

Attachment(s)
Part 77
Additional Information
Map(s)

Additional Information for ASN 2010-WTW-16651-OE

Proposal: To construct a(n) Wind Turbine to a height of 225 feet above ground level, 5205 feet above mean sea level.

Location: The structure will be located 0.35 nautical miles northeast of 2Q5 Airport reference point.

Part 77 Obstruction Standard(s) Exceeded:
Section 77.17 (a) (2) by 25 feet - a height that exceeds 5180 feet above mean sea level within 3 nautical miles of U_CXP.

Section 77.17 (a) (5) a height that affects an Airport Surface by penetrating:
Section 77.19 (a) Horizontal Surface by 116 feet as applied to 2Q5.

Preliminary FAA study indicates that the above mentioned structure would:
have no effect on any existing or proposed arrival, departure, or en route instrument flight rules (IFR) operations or procedures.
have no effect on any existing or proposed arrival, departure, or en route instrument/visual flight rules (IFR/VFR) minimum flight altitudes.
have no physical or electromagnetic effect on the operation of air navigation and communications facilities.
have no effect on any airspace and routes used by the military.

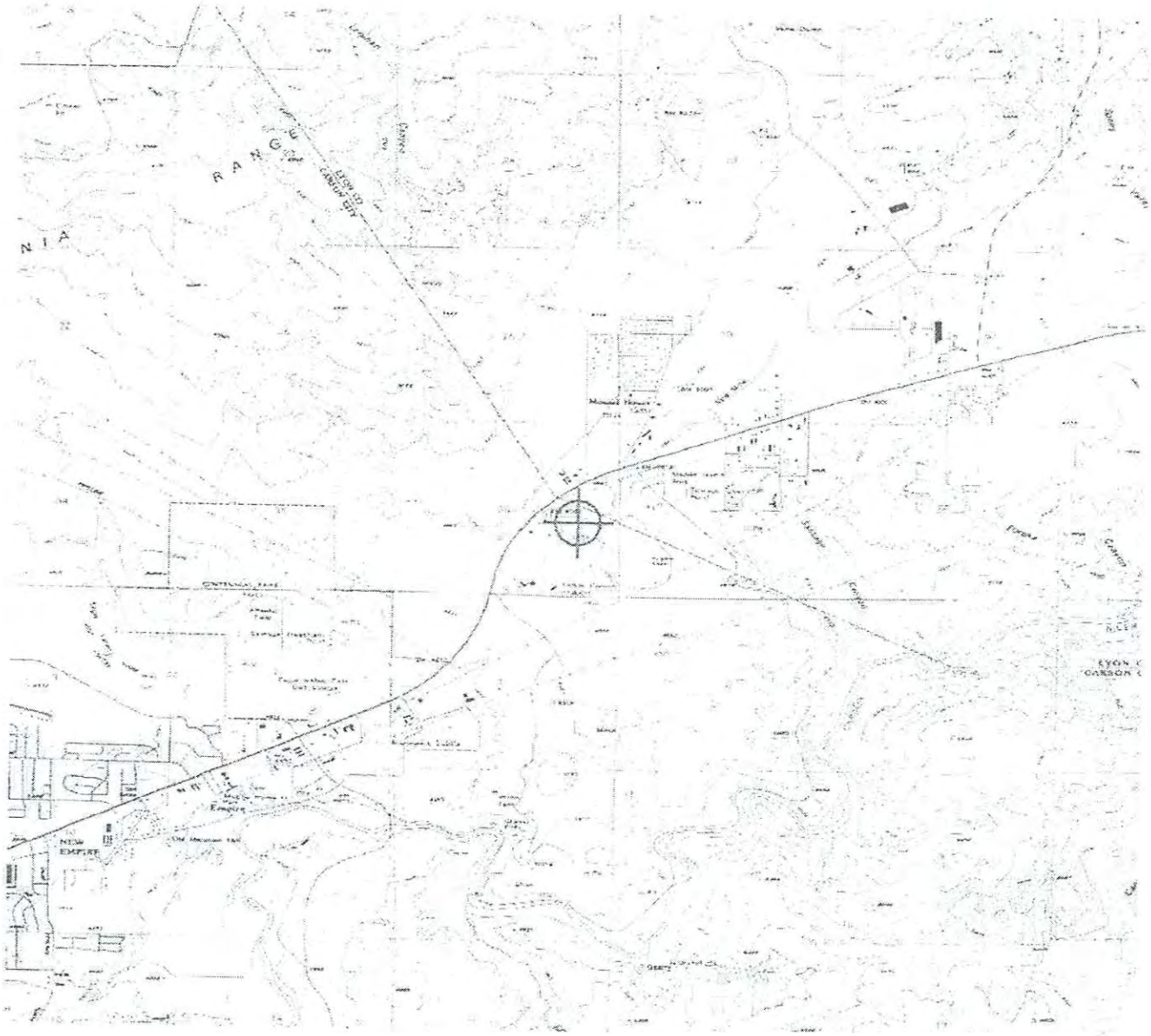
Additional information for ASN 2010-WTW-16651-OE

The proposed structure (wind turbine) would be located approximately 2,116 ft. northeast of the Airport Reference Point for the Parker Carson Airport (2Q5) and 2.59 nautical miles (NM) east of the Airport Reference Point for the Carson Airport (CXP). Both airports are located in Carson City, NV. The proposed construction is identified as an obstruction under the standards of 14 CFR, Part 77, as applied to the above airports as follows:

Section 77.17(a)(2): A height AGL or airport elevation, whichever is higher, exceeding 200 ft. within 3 miles; would exceed by 25 ft. for CXP.

Section 77.19(a): The surface of a takeoff and landing area of an airport or any imaginary surface established under 77.25, 77.28, or 77.29; would exceed the horizontal surface by 116 ft. for 2Q5.

Map for ASN 2010-WTW-16651-OE



Holloway, Andrew A

From: Robert Matthews [robert.matthews68@gmail.com]
Sent: Tuesday, August 16, 2011 8:27 PM
To: Holloway, Andrew A
Subject: Fwd: Robert Matthew's proposed wind trubines

please print for me!1

---------- Forwarded message ----------
From: <donna.o'neill@faa.gov>
Date: Fri, Aug 12, 2011 at 5:26 AM
Subject: Robert Matthew's proposed wind trubines
To: hnorvell@att.net
Cc: robert.matthews68@gmail.com

Mr. Norvell,

Mr. Robert Matthews forwarded to me an e-mail message from you expressing your concerns for his wind turbine project and I know that the Carson City Airport has had concerns as they (Steven Tackes, Timothy Rowe) had submitted comments during the public comment period for the first of Mr. Matthews' cases. Since that time, Mr. Matthews has agreed to lower the height of the turbines in his project to remove any penetration to a 14 CFR part 77 obstruction standard for your airport (CXP). His turbine project now contains 4 turbines at a height of 199 ft. AGL/4960 ft. AMSL and are being studied under the following Aeronautical Study Numbers (ASN):

2011-WTW-6009-OE
2011-WTW-8741-OE
2011-WTW-8742-OE
2011-WTW-8743-OE

You may access the basic case information now and, once a determination is rendered, get a copy of the determination(s) from our public website at:

http://oeaaa.faa.gov

For now use the link on the left for "View Proposed Cases" and fill in the ASN boxes. Once the determinations have been completed, use the "View Determined Cases" link instead. Thirty days after a determination is issued, access can be gained by using the "Search Archives" link.

The FAA's Flight Procedures Office is very aware of your concern that any proposed structure not raise the minimums you could get for the proposed approaches into CXP. I asked that office to take another look to be sure that these wind turbines would not increase the minimums that you could get as the approaches are developed. The response from the flight procedures specialist, Elizabeth Houghton, who is working on your approaches is below.

The airport manager wants up to a CAT D approach from the Northeast so the on feasible approach is circling approach that would be offset more than 30 degrees from runway 27. There is a 5400' MSL hill that is higher than the proposed windturbines that would be the

controlling obstacle for the proposed approach. As far as the instrument approach procedure is concerned, these windturbines would not be controlling obstacles.

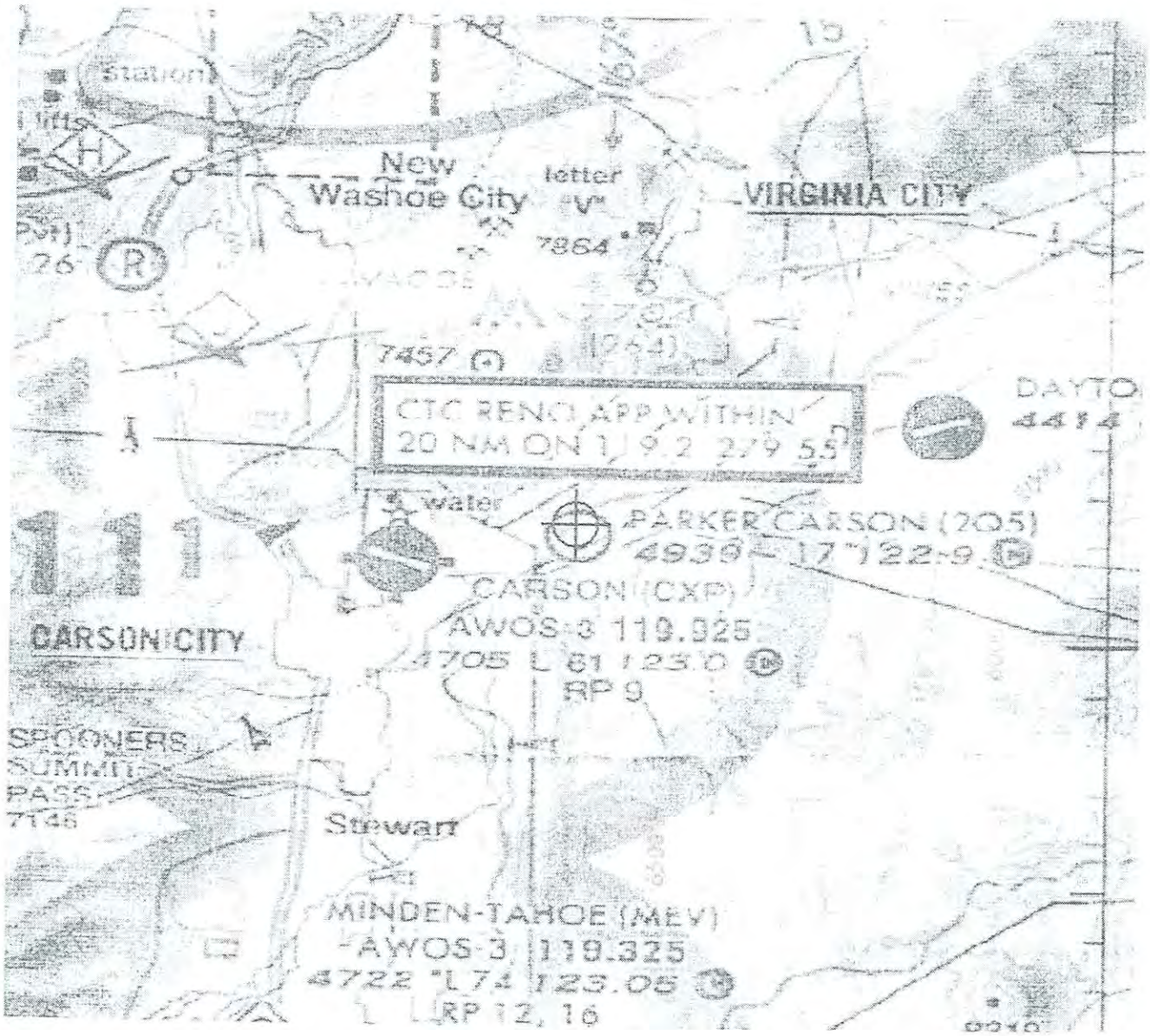
Elizabeth "Beth" Houghton, AeroNav Program Specialist Western Flight Procedures Team AJV-W2
PH:425-917-6775 FAX:425-917-6643
email: elizabeth.a.houghton@faa.gov

A "controlling obstacle" is the obstacle that determines the Minimum Descent Altitude (MDA, for a non-precision approach procedure) or Decision Altitude (DA, for a precision approach procedure) for an approach. In your case, there is higher terrain nearby that would determine what minimums could be set for your instrument approach procedure.

I hope this adequately addresses your concerns. If you have any additional questions, please feel free to give me a call or, if your question is regarding the specifics of your approach, please contact Beth. Her contact information is shown above.

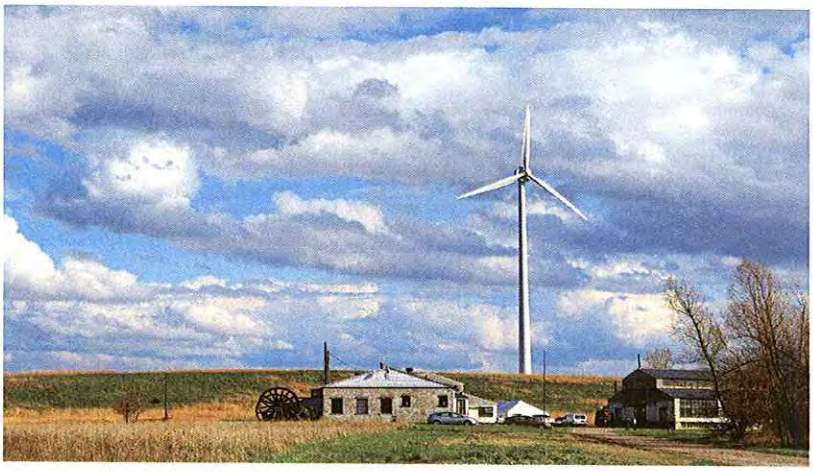
Donna O'Neill
FAA Obstruction Evaluation Group, AJV-15 Airspace Specialist for: Wind Turbines, Western U.S.
Ph: (816) 329-2525 Fax: (816) 329-2574
E-mail: donna.o'neill@faa.gov

Map for ASN 2010-WTW-16651-OE



Projects United States of America and Canada

USA and Canada



Source: Rural Electric Convenience Cooperative - IL

City / State	Country	Type	No.	Power	
Alaska	USA	DW 54 - 900	1	900	kW
Colorado	USA	DW 54 - 900	1	900	kW
Illinois	USA	DW 54 - 900	2	900	kW
Iowa	USA	DW 54 - 900	3	900	kW
Minnesota	USA	DW 52 - 750	1	750	kW
Nova Scotia	Canada	DW 54 - 900	2	1,800	kW
Total installed			*10*	*8,850*	*kW*

Subject: Fwd: turbines

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Rich formatting »

Check Spelling

---------- Forwarded message ----------
From: Tom Ellenbecker <t.ellenbecker@ewtinternational.com>
Date: Tue, Aug 23, 2011 at 5:23 PM
Subject: RE: turbines
To: Robert Matthews <robert.matthews68@gmail.com>

Rob,

Obviously, none are installed in Nevada - from what I gather, there are no utility grade turbines of any type in Nevada. We are working with the Clean Energy Center and their project in Reno so it will be a race as to which project gets approved first! We are installing two in Alaska this month and have turbines up and running in other states. We have also quoted 22 turbines for a project in CA that is limited in height because of a near by airport.

Thanks and Best Regards

Send | Saved | Discard Draft saved at 9:19 AM (1 hour ago)

Robert Matthews to Tom show details 5:56 PM (17 hours ago) Reply

I know Rich!!
- Show quoted text -

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Last a

Contents

EWT	Emergya Wind Technologies BV
	DIRECTWIND 54

Category:	Specification	Page 1 / 6
Doc code:	S-1005000.docx	

Created by:	GF	Creation Date:	08-12-10
Checked by:	MB	Checked Date:	08-12-10
Approved by:	TY	Approved Date:	10-12-10

Title:

Specification

Sound power level DW54

Revision	Date	Author	Approved	Description of changes
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Emergya Wind Technologies BV
Building 'Le Soleil' - Computerweg 1 - 3821 AA Amersfoort - The Netherlands
T +31 (0)33 454 0520 - F +31 (0)33 456 3092 - www.ewtinternational.com

1 Introduction

Following information with regard to the sound power level measurements, are distillated from measurement data of a *DIRECT**WIND*** 54 turbine, located at Oude Tonge, the Netherlands.

The measurements were performed according to the International Standard IEC 64100-11 December 2002: "Wind turbine generator systems – Part 11: Acoustic noise measurement techniques ".

2 Sound power level

At a wind speed of 8 m/s at 10 m height, the sound power level is determined: **100.9 dB(A)**. This Sound power level increases with the wind speed with about **1,3 dB per m/s** in the range from 5 to 7 m/s till about **0 dB per m/s** at higher wind speeds. The uncertainty is estimated to be **1.1 dB(A)**.

2.1 Sound spectrum

1/3 octave spectrum of the sound power level in dB (A-weighted), corrected for background noise at all wind speeds from 5 till 10 m/s.

Sound power level Lw in dB(A)		**middle frequency of the octave bands [hz]**							
Wind speed at a height of 10m		**63**	**125**	**250**	**500**	**1k**	**2k**	**4k**	**8k**
wind 5 m/s	97.8 dB(A)	77	86	92	92	90	89	86	76
wind 6 m/s	99.1 dB(A)	78	87	93	94	92	90	88	78
wind 7 m/s	100.1 dB(A)	79	88	94	95	93	91	89	79
wind 8 m/s	100.9 dB(A)	81	89	94	96	93	91	89	83
wind 9 m/s	101.4 dB(A)	82	89	94	97	94	92	90	84
wind 10 m/s	101.6 dB(A)	83	89	93	97	95	92	90	84

Table 2.1: 1/3 octave sound spectrum

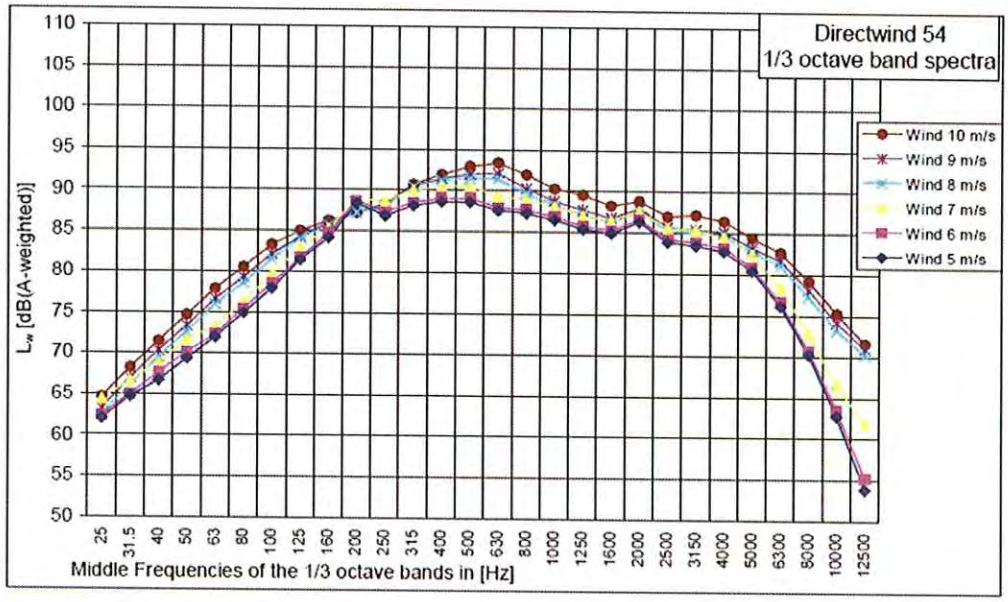


Figure 2.1: the measured 1/3-octave band spectra

3 Conclusion

At a wind speed of 8 m/s at 10 m height, the sound power level of the *DIRECT**WIND*** 54 is determined to be: **100.9 dB(A)**. This Sound power level increases with wind speed with about **1.3 dB per m/s** in the range from 5 to 7 m/s till about **0 dB per m/s** at higher wind speeds.

The following table gives a summary of the measured values. The total uncertainty is estimated to be **1.1dB** according to IEC 64100-11.

	Apparent Sound Power Level at different wind speeds (measured at 10 m height):						
Wind speed (m/s)	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Measurements dB(A)	-	97.8	99.1	100.1	100.9	101.4	101.6

Table 3.1: the measured sound power levels – 2nd order regression and after correction for background noise influences

The wind speed weighted sound power level is **96.9 dB(A)**, (according to the WNC of the "Besluit voorzieningen en installaties milieubeheer").

2.2 Corrected sound power level graphical

Figure below gives all the calculated sound power levels at the different wind speeds at reference conditions (h = 10 m and z_0 = 0.05 m) and after correction for the background noise. The figure also gives the 2nd order regression on this curve:

$$L_W = -0.13 \cdot v_{wind}^2 + 2.77 \cdot v_{wind} + 87.3 \text{ dB(A)}$$

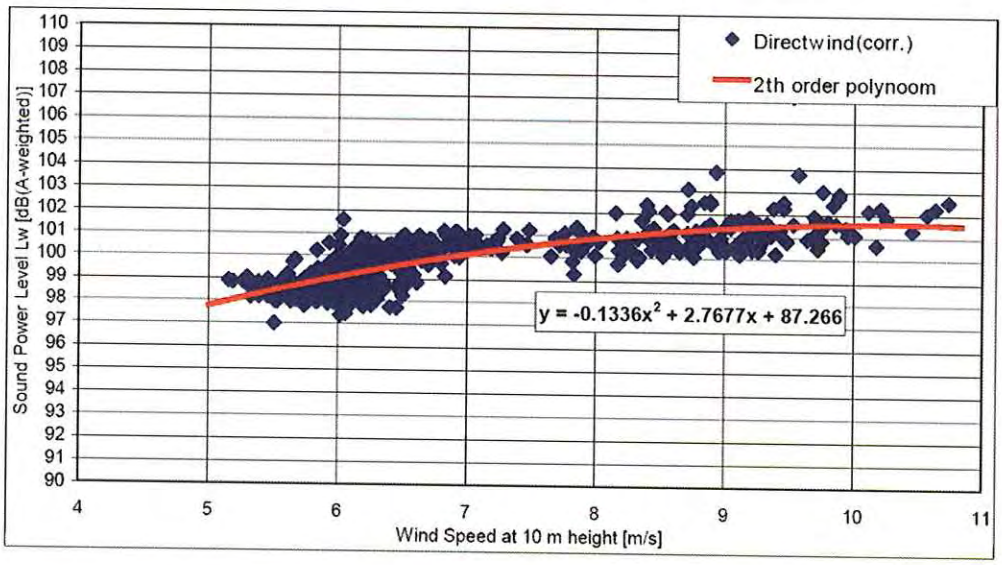


Figure 2.2: the calculated sound power level at different wind speeds

2.3 Uncertainty estimation

The standard uncertainty is estimated at:

- The standard error from the regression analysis: 0.6 dB
- Due to acoustical calibration: 0.1 dB
- Due to wind speed uncertainty: 0.8 dB
- Due to measurement distance: 0.1 dB
- Due to background noise correction: 0.3 dB

The combined standard uncertainty is calculated at **1.1dB** according to the IEC 64100-11.

The Town of Stockbridge has a reported wind power ordinance that limits noise at residences to no more than 50 dBA from wind turbines.

Table 2 below provides examples of sound levels of common sources of noise.

Table 2

TYPICAL A-WEIGHTED* SOUND LEVELS

Sound Level (dBA)	Location/Source	Subjective Impression
180	Rocket Engine @ 3 ft.	Severe pain
160	Sonic Boom	
140	Threshold of Pain	Slight Pain
130	Hydraulic Press @ 3 ft.	
120	Pneumatic Riveter @ 3 ft.	Extremely Loud
110	Unmuffled Motorcycle @ 3 ft.	
100	Chain Saw @ 3 ft.	Very Loud
90	Train @ 100 ft.	
80	Truck Traffic @ 50 ft.	Moderately Loud
70	Auto Traffic @ 50 ft.	
60	Normal Conversation	Typical
50	Typical Office	
40	Bedroom at Night	Quiet
30	Soft Whisper	
20	Sound Test Booth	Very Quiet
10	Breathing	
0	Threshold of Hearing	No Sound

Source: Holman, 1978; and Stusnick et al., 1981. Compiled by T. Adams.
*A-weighted sound levels are levels that have been adjusted to match the frequency response of the human auditory system.

Table 5 presents the predicted sound level results in 100-foot increments from the base of a turbine extending from 100 feet to 2000 feet. The results include the sound dampening effects of relatively soft and absorptive ground with grasses, brush and trees.

TABLE 5
Predicted Sound Levels in 100-ft Increments from Turbine Base

Distance from Base of Turbine (feet)	Predicted Sound Level (dBA)
100	51.9
200	44.7
300	39.5
400	35.9
500	33.1
600	31.1
700	29.3
800	27.9
900	26.8
1000	26.7
1100	26.5
1200	26.5
1300	26.7
1400	27.1
1500	27.4
1600	28.2
1700	27.8
1800	28.1
1900	28.3
2000	28.3

LYON COUNTY
PLANNING DEPARTMENT

27 SOUTH MAIN STREET, YERINGTON, NEVADA 89447
(775) 463-6592 (775) 463-6596 FAX

ROBERT G LOVEBERG
PLANNING DIRECTOR

January 13, 2011

Jennifer Pruitt, AICP, LEED AP, Principal Planner
Carson City Planning Division
108 E. Proctor Street
Carson City, Nevada 89701

RE: Farr West, Inc., Special Use Permit Application (SUP-10-117)

Dear Jennifer,

Thank you for the opportunity to review and comment on the above referenced special use permit application. Lyon County appreciates your consideration of any potential impacts that the proposed use might have on the nearby Lyon County residents and businesses.

After a review of the supplied application information, we have the following comments:

- We did not find any analysis of potential impacts on residential and business properties within the nearby Mound House community. The Lyon County-Carson City line is within approximately 80 feet of the subject property and within approximately 240 feet of the proposed wind turbine.
- We did not find any maps or diagrams that illustrate: the location of the proposed use in relationship to properties within Lyon County, topographic conditions, a comparison of the proposed wind turbine height to existing residences and land forms within Lyon County, or noise contours.
- It appears that there are Lyon County residential properties within approximately 500+ feet of the proposed wind turbine that may be impacted by the proposed use.
- Based on the very limited visual impact information provided in the application materials, the proposed wind turbine will be visible from residences and businesses within the Mound House community. This will create a change in the skyline and viewshed as seen from areas within Mound House. Any efforts to mitigate the prominence of the wind turbine and its visual impacts would be appreciated.
- Based on the information submitted, the noise impact on nearby Lyon County residences is unclear. The residences are downwind and within approximately 500+ feet of the proposed uses. Any efforts to mitigate the potential noise impacts of the wind turbine and aggregate operation would be appreciated.
- Please consider operational restrictions and/or conditions that will minimize any potential impacts on the nearby Mound House residences and businesses.

Please contact me at (775) 463-6592 or rloveberg@lyon-county.org if you have any questions or wish to discuss our comments. Again, thank you for the opportunity to provide comment on this matter.

Sincerely,

Robert G. Loveberg
Planning Director

cc: Jeff Page, County Manager
Board of Commissioners
Planning Commission
Mound House Advisory Council


ANTIQUE
MALL
8/13/2011


8/13/2011

Robert F. Matthews
Far West Inc.
712 7th Avenue North
St. Petersburg, FL 33701
775.537.3145
robert.matthews68@gmail.com

Far West Inc.

August 25, 2011

Carson City Planning Commission
108 East Procter Street
Carson City, NV 89701

Re: Far West Aggregate & Asphalt, 5990 Morgan Mill Road in Carson City, Nevada
(APN 008-531-26, 27 & 28)

Dear Planning Commission:

Please consider the following points of clarification to Far West Aggregate and Asphalt's communications and validation efforts with respect to the Virginia & Truckee Railroad Commission's engineering and leadership:

1. Throughout the entire approval process Far West has been in constant contact with Manhard Engineering (Mr. Ken Dorr) to keep the V&T not only apprised but wholly informed with respect to all site plans, alterations, outside factors and unforeseen circumstances that may arise as a result of any such changes to the original plan.
2. Railroad commission chairman Dwight Millard has personally seen all photo simulations and site plans that have been available in the past 12 months. In fact, Mr. Millard was very encouraged at our last meeting by the change in height of the turbines by virtually 50% (360 to 185 ft.), by additionally burrowing the turbine bases more than 20 feet into the ground, by the extension of the berm to include a much larger circumference around the site and by the addition of a multitude of trees atop the berm to further shield the project from view. At the conclusion of our mid-August meeting, Mr. Millard was of the belief that the commission should have no further issue with the project going forward.

Please keep in mind my understanding that the professional opinions of Mr. Millard and those of Manhard Engineering are not the factors upon which your decision is based. They do, however, serve to substantiate Far West's commitment to compliance with all relevant ordinances and to our ongoing belief in doing things right with respect to all community considerations.

Respectfully,

Robert F. Matthews, CEO
Far West Inc.

August 9, 2011

Letter of Support

To: Supervisors
Carson City Board of Supervisors
Fr: Aaron Covington, Ph.D.
312 Mountain Street
Carson City, NV 89703
Re: Proposal "Far West Aggregate and Asphalt-Building America's First Green Mile"

I am writing this letter in strong support of Mr. Robert Matthews' proposal to build a new, state-of-the-art, green energy aggregate and asphalt plant in Carson City. His proposed project will use wind turbines to make the plant far more efficient than traditional plants now in operation nationwide. Mr. Matthews has carefully selected a windy site that will minimize the environmental impact of the project by choosing a location in an existing gravel pit on the sparsely populated eastern edge of Carson City. This site is in close proximity to the Carson City Landfill, automotive wrecking yards and other aggregate operations, as well as existing utilities including both power and natural gas. Mr. Matthews has also worked diligently to assuage the concerns of the Carson City Airport Authority by working with the U.S. Federal Aviation Administration to ensure the proposed turbines will not pose a hazard to aviators or limit future upgrades to the Carson City Airport.

Once Mr. Matthews' project is operational, I believe Carson City will accrue a number of direct and ancillary benefits. First and foremost, it should be noted that America is built on roads and the ongoing construction and maintenance of our multi-trillion dollar transportation infrastructure constitutes a significant fraction (~10%) of the total U.S. energy budget annually. This project is based on applying proven technologies in a unique way that will appreciably increase the efficiency of processing materials used to make roads. In the near term, this project will create local jobs. In the long run, this operation may well help Carson City and the State of Nevada secure a leadership role in emerging alternative energy technologies. As a scientist working in the area of alternative fusion energy research, my professional career is dedicated to the search for energy solutions that may not be realized for decades. In contrast, this project promises to save on energy costs the day it becomes operational. Mr. Matthews has a sound business model with excellent growth potential. This is exactly what Carson City needs now, and I strongly urge the Carson City Board of Supervisors to give this project their enthusiastic support.

cc: Robert Matthews

OCS

September 6, 2011

To whom it may concern,

Nevada has the potential to be the leader of renewable energy production in the United States. As A life long Nevadan I have had the opportunity explore every corner of this great state. Over the years Nevada has been a pioneer in renewable energy by capturing geothermal energy since the 1940's. Today, Nevada is one of top producers of Geothermal Energy with plants generating 235 MWe. There are 14 geothermal plants operating at 10 sites in Nevada.

Boulder City has become a pioneer in Nevada as a solar energy center with two solar fields operating and one under construction. Nevada has vast open spaces with unlimited amounts of sunshine.

There are several Wind Turbine proposals on the drawing boards around the state. Henderson will be home of the first Wind Turbine manufacturing plant in the state. It will employ up to 1,000 workers in it 320,000 sq. ft. facility.

Carson City has the opportunity to get on board with Robert Matthews', "Far West Aggregate and Asphalt-Building America's First Green Mile" proposal. Mr. Matthews project is cutting edge in the field of Renewable Energy and Green Energy particularly in the asphalt and aggregates industry. He has created what may very well become the model for the future of Asphalt plants in not only Nevada but in the country.

I have known Mr. Matthews since we were kids growing up in Carson City, a time when things seemed a lot less complex. He has jumped through many hoops and cleared a few hurdles as he sprints to beat looming deadlines that make this project possible. I encourage the Carson City Board of Supervisors to vote in favor of his project, to keep Nevada on track to being a leader in Renewable Energy and making Carson City the home Nevada's first Clean Energy Efficient Asphalt Plant.

Sincerely,

Tim O'Callaghan
Legislative Advocate
2102 Mountain Echo Ave.
Henderson, NV 89074
702-361-6351

NNDA
Northern
Nevada
Development
Authority

704 West Nye Lane, Suite 201
Carson City NV 89703
(775) 883-4413 / Fax (775) 883-0494
nnda@nnda.org / www.nnda.org

December 15, 2010

Lee Plemel
Carson City Community Development
201 N Carson St #2
Carson City NV 89701

Dear Mr. Plemel:

This letter is to introduce you to a new potential employer in Carson City, Far West Inc. The company is poised to build a 400 ton-per-hour asphalt plant and aggregate crushing facility in eastern Carson City at the existing pit property adjacent to Pick N Pull. The company will be applying for a Special Use Permit and NNDA supports this request based on the following.

The asphalt plant will be powered exclusively with clean, renewable energy, through the use of a 2.5 Megawatt Wind Turbine with a natural gas generation set. The use of renewable energy to power the asphalt facility will reduce emissions from that portion of the operation significantly, due to the use of natural gas and wind energy instead of diesel fuel. Additionally, the wind turbine is expected to generate excess power beyond that required to operate the plant and Far West will be able to sell power back into the grid, as well as partner with Carson City or other entities to reduce their overall power costs.

Far West anticipates this new asphalt and aggregate crushing facility will create 10-20 jobs, and while the number of indirect jobs is unknown, it is expected to create other job opportunities through the truck hauling associated with the plant as well as jobs related to construction of the facilities, including the wind turbine.

Not overlooking the sensitivity of such a facility on the aesthetics of the region, it has been determined that views from central Carson City as well as from the V&T Railway alignment are not expected to be significantly impacted by the 225' wind turbine nor the 75' asphalt mix silos. The plant and wind turbine sit in an area shielded from view by natural topography and elevation change in relation to central Carson City, making both difficult, if not impossible to see from as close as the intersection at College Parkway and U.S. Highway 50 East. The area is also significantly depressed in relation to the adjacent V&T Railway, and is further shielded by a visual berm constructed by the V&T Railway Commission to shield this overall area from view.

NNDA is working to bring Far West to Carson City and helping to ensure the project meets the area's expectations and feels the company has put forth the appropriate efforts to deal with any concerns the city or its residents might have. Because this project will create much needed jobs for the region and has potential to save the City on energy costs, we support the issuance of a special use permit for Far West.

This project will be an important step in bringing companies to the Sierra Region who will create jobs not only for their own business but will have a positive impact on support industries as well. Therefore, NNDA asks for your favorable support when Far West comes before the Community Development office for permitting and licensing.

Please give me a call if you have any questions or wish to discuss this project further.

Best regards,

Robert C. Hooper
Executive Director

cc: Robert Matthews, Far West Inc.
Teresa Shouppe, NNDA President

As a pioneer in the Asphalt Recycling and "Green Initiatives" Industries, we have followed the permit process for Robert Mathews for over a year. His ability to source wind turbine for power and natural gas for fuel is a very unique and "Green" way to begin his business.
We have visited the site east of Carson City Robert is permitting.
This location will also shorten track hauls and be a cost saving location in the maintenance of local roads and streets. The Carson City area has an opportunity to have an asphalt operation here that will be 1st in he industry to utilize wind machine power. This project, when completed, will be an example of how to fulfill a vital need without using valuable natural resources. Carson City should welcome this innovative process.
Please contact me personally with any questions.

Bob Cox
www.cxassociates@cox.net
7251 West Lake Mead Blvd., Suite 300, Las Vegas, Nevada
702.202.0454
COX & Associates
Trusted for over 40 years!
COX LYLE LLC

Susan Dorr - Fwd: Power Purchase

From: Robert Matthews <robert.matthews68@gmail.com>
To: Susan Dorr <sdorr@manhard.com>
Date: 12/13/2010 1:59 PM
Subject: Fwd: Power Purchase

---------- Forwarded message ----------
From: **Andy Burnham** <ABurnham@carson.org>
Date: Tue, Nov 23, 2010 at 12:49 PM
Subject: Power Purchase
To: Robert.Matthews68@gmail.com
Cc: Joel Benton <JBenton@carson.org>, Larry Werner <LWerner@carson.org>, Nick Providenti <NProvidenti@carson.org>

Robert,
Thank you for discussing possible discounted power purchase with you this morning. Carson City is certainly interested in pursuing the purchase from Far West Asphalt and Aggregates. The city currently spends almost $4 million annually on power so to the degree we can purchase power at a discounted rate is of interest to us. We have retained Holland & Hart for legal advise relative to energy issues and we'll want to seek their help in drafting and reviewing any potential contracts relative to the possible purchase along with our in-house legal counsel in the District Attorneys office. We look forward to seeing how this can be positive for both of us.

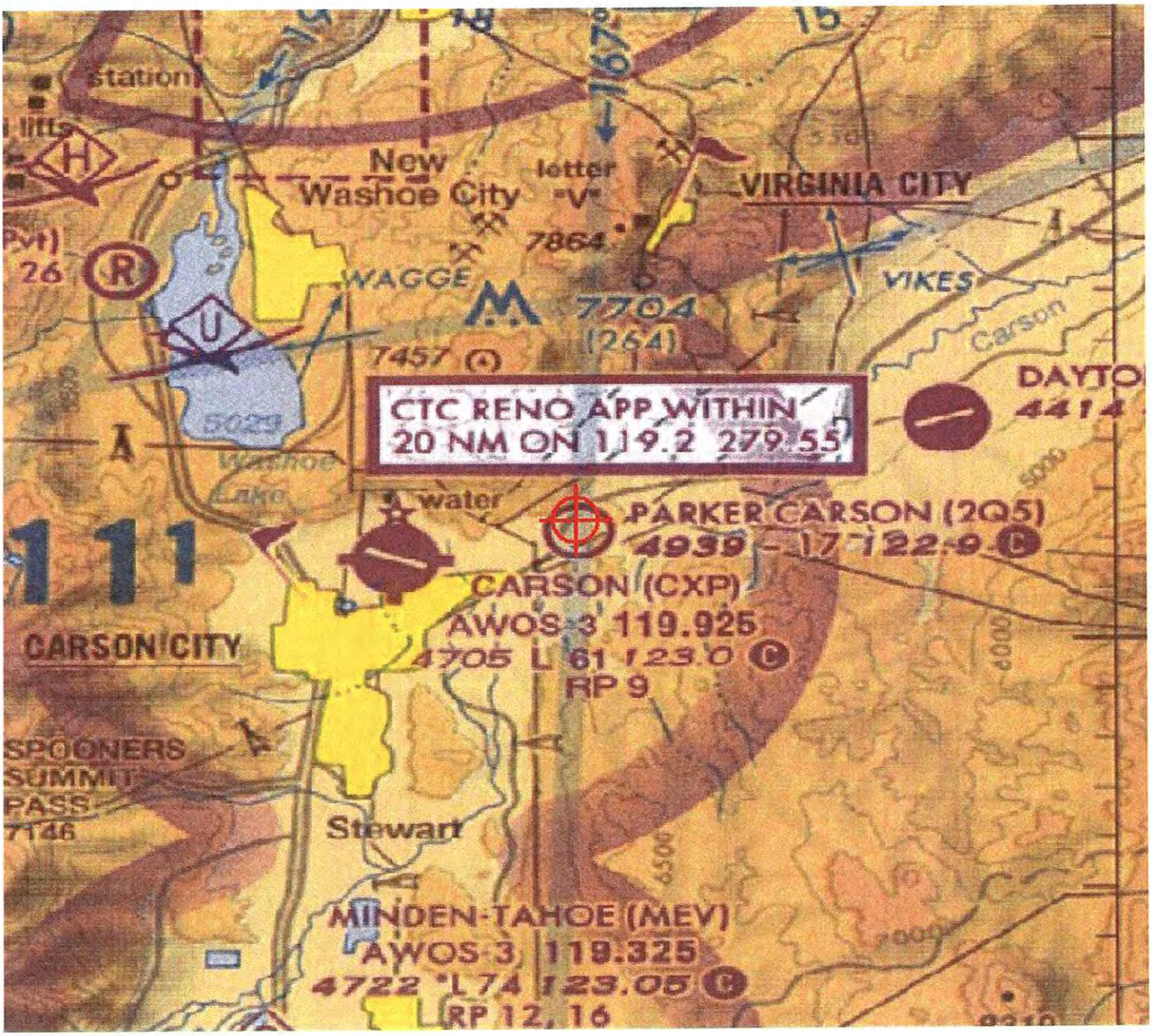
Andrew Burnham
Public Works Director
3505 Butti Way
Carson City, Nevada 89701

Ph. 775.887.2355 ext 1001
Fax 775.887.2112

ABurnham@ci.carson-city.nv.us

DIRT
RC COMPLEX
EASTGATE SIDING
BLM Property
RUNWAY
BLM Property
PLANT
HWY 50
DIRT
N

Sectional Map for ASN 2010-WTW-16651-OE



U.S. Treasury Department
Application for Section 1603:
Payments for Specified Renewable Energy Property in Lieu of Tax Credits
(Property that is under construction)

Applicants who have begun construction of a qualified property during 2009-2011 and have placed or will place the property in service after 2011 , must submit only this application form before October 1, 2012 to demonstrate that construction began during 2009-2011. Once the qualified property is placed in service, the applicant must submit both an updated application form and the signed Terms and Conditions document, indicating the identification number that is issued by Treasury upon submission of this application.

While there are directions in this application, they are not a substitute for reading and understanding the Program Guidance, Terms and Conditions, Section 1603 of the American Recovery and Reinvestment Tax Act of 2009, and Sections 45 and 48 of the Internal Revenue Code.

*All fields are required unless otherwise noted. Fill out the form in order, as lower sections are affected by upper section choices. Allowed values are *marked in italics*, items in square brackets [] are optional.

The numbering of questions in this application form is not sequential. Some numbers are skipped intentionally.

View checklist for properties currently under construction

Section 1: Applicant Eligibility

1A. Type of Applicant — indicate which choice best describes the applicant. Governments, 501(c) organizations, 54(j)(4) entities, partnership or pass-thru entities with any government /501(c)/54(j)(4) entity as a partner (or other holder of an equity or profits interest), and in some cases foreign persons and entities are not eligible for Section 1603 payments.

- ○ Federal, State, or local government or any political subdivision, agency, or instrumentality thereof
- ○ Organization described in section 501(c) of the Internal Revenue Code and exempt from tax under section 501(a) of such Code
- ○ Entity referred to in paragraph (4) of section 54(j) of the Internal Revenue Code
- ○ Partnership or pass-thru entity with a government or any political subdivision, agency, or instrumentality thereof, 501(c) organization, or 54(j)(4) entity as a direct or indirect partner (or other direct or indirect holder of an equity or profits interest) (Note: If such entity only owns an indirect interest in the applicant through a taxable C corporation, do not choose this selection.)
- ○ Foreign person or entity ***not*** qualifying for the exception in section 168(h)(2)(B) of the Internal Revenue Code with respect to the property
- ○ Foreign person or entity qualifying for the exception in section 168(h)(2)(B) of the Internal Revenue Code with respect to the property
- ○ Sole proprietorship
- ○ Joint venture
- ○ Partnership
- ○ Domestic C corporation
- ○ Domestic S corporation
- ○ Cooperative organization described in section 1381 of the Internal Revenue Code
- ○ Real Estate Investment Trust (REIT)
- ○ Other (specify here):

1B. Applicant's Interest in the Property — indicate the applicant's interest in the property.

- ○ Applicant is owner of the property.
- ○ Applicant is lessee of the property (include waiver from owner, as described in the Program Guidance and in Section 6 of this Application).
- ○ Applicant is not the owner or lessee of the property - **do not continue with application**

Section 2: Property Information

2A. Depreciation and Use of Property — indicate which choice best describes the property.

- ○ Property is ***not*** depreciable or amortization is not allowed - **do not continue with application**
- ○ Property is depreciable or amortization is allowed in lieu of depreciation.
- ○ Property is ***both*** depreciable or amortization is allowed in lieu of depreciation and is a public utility property within the meaning of section 168(i)(10) of the Internal Revenue Code.

2B. Property Identification — enter information about the location of the property. *City or County required.

- ○ Property is located outside the United States during more than 50% of the year - **do not continue with application.** (Note: If such property meets the requirements described in section 168(g)(4) of the IRC, do not choose this selection.)
- ○ Property location is not known at this time.
- ○ Property is located predominately within the United States.

Name: Street Address 1:

*City: Street Address 2 (optional):

*County: State: ...

Zip Code: *00000[-0000]*

2C is left Intentionally Blank

2D. Date Construction Began — for properties not placed in service by December 31, 2011, enter the date on which construction began. See Program Guidance for a definition of beginning of construction and the credit termination date by which time the project must be placed in service.

Construction of the property began on this date: *mm/dd/yyyy*

- ○ Construction of the property has not begun - **do not continue with this application.**

2E. Expected Placed in Service Date — for properties not yet placed in service, enter the anticipated date when the property will be placed in service. See Program Guidance for dates by which specific properties must be placed in service to be eligible for Section 1603 funds.

Anticipated date property will be placed in service: *mm/dd/yyyy*

When you submit this application form, the system will evaluate the construction time for your project. If the construction period is unusually long, you will be required to provide an explanation here:

Limit to 2,500 characters

2F. Requirements for a Property that is Under Construction (you must check at least one box) -- Did you:

- ☐ (a) incur or pay more than 5% of the estimated cost of the property?

If yes, how much have you spent? $

- ☐ (b) begin significant work of a physical nature on the property?

If you chose (b) above, describe how you met the requirement.

Limit to 2,500 characters

Although you are only required to meet the requirements of one of the above options, you may choose both options. If you select only one option you will not be permitted to change options or add the other option after September 30, 2011.

Needs (X)

Section 3: Applicant Information

3A. Applicant — enter information about the entity that owns the property.

Business name:

Phone: *000 000 0000* *[()-.]*

Employer Identification Number (EIN): *000000000*
Do not enter a Social Security number

DUNS Number: *000000000*

Website address (optional):

Street address 1:

Street address 2 (optional):

City:

State: ...

Zip code: *00000[-0000]*

3B. Contact Person — enter information for the person to be contacted about this application.

First name:

Last name:

Organizational affiliation:

E-mail address:

Phone: *000 000 0000* *[()-.]*

Fax: *000 000 0000* *[()-.]*

3C. Previous Applications —indicate whether an application has previously been submitted for Section 1603 payments for this property or property at this same location.

- (•) No applications submitted previously for Section 1603 payments for this property.
- ( ) Application(s have) has been submitted previously for this property or property at this same location.

Select Treasury application number (TAN) from previously submitted application(s) (using the CTRL key, choose all that apply to this property):

TAN:

Section 4: Property Description

4A. Specified Energy Property — indicate which choice best describes the type of specified energy property. See Program Guidance for a further explanation of each type.

Specified properties eligible under section 45 of Internal Revenue Code

- ○ Wind facility — uses wind to produce electricity (wind turbines with capacity of 100kW or less may also qualify below as small wind energy property but only one payment is allowed with respect to the property).
- ○ Closed-loop biomass facility (other than a facility described in the choice below) — uses organic material from a plant grown exclusively for purposes of being used to generate electricity. If a portion of fuel is not closed-loop biomass, give the percentage of fuel, on an annual basis, that is closed-loop biomass: %.
- ○ Facility modified to use closed-loop biomass to co-fire with coal, other biomass, or both. Modification must be approved under the Biomass Power for Rural Development Program ***or*** be part of a pilot project of the Commodity Credit Corporation. Give the percentage of fuel, on an annual basis, that is closed-loop biomass: %.
- ○ Open-loop biomass facility (cellulosic waste material) — uses solid, non-hazardous, cellulosic waste material or any lignin material derived from qualified sources described in section 45(c)(3)(ii) of the Internal Revenue Code to produce electricity. If a portion of fuel is not open-loop biomass of this type, give the percentage of fuel, on an annual basis, that is open-loop biomass of this type: %.
- ○ Open-loop biomass facility (livestock waste nutrients) — uses agricultural livestock waste nutrients to produce electricity and has a nameplate capacity rating of not less than 150 kW. If a portion of fuel is not agricultural livestock waste nutrients, give the percentage of fuel, on an annual basis, that is agricultural livestock waste nutrients: %.
- ○ Geothermal facility — uses geothermal energy to produce electricity.
- ○ Landfill gas facility — uses gas derived from the biodegradation of municipal solid waste to produce electricity.
- ○ Trash facility — uses municipal solid waste to produce electricity and is not a landfill gas facility.
- ○ Hydropower facility (incremental hydropower) — produces incremental hydropower production as a result of efficiency improvements and additions to capacity to which the incremental hydropower production is attributable. The baseline and incremental increase in energy production must be certified by FERC.
- ○ Hydropower facility — hydropower producing facility installed on a qualifying nonhydroelectric dam. The property must be licensed by FERC and meet all other applicable environmental, licensing, and regulatory requirements.
- ○ Marine and hydrokinetic renewable energy facility — uses marine and hydrokinetic renewable energy to produce electricity and has a nameplate capacity rating of at least 150 kW.

Specified properties eligible under section 48 of Internal Revenue Code

- ○ Solar electricity property — uses solar energy to generate electricity.
- ○ Solar thermal property — uses solar energy to heat or cool (or provide hot water for use in) a structure, or to provide solar process heat (property used to generate energy for heating a swimming pool ineligible).
- ○ Solar lighting property — uses solar energy to illuminate the inside of a structure using fiber optic distributed sunlight.
- ○ Geothermal property — equipment used to produce, distribute, or use energy derived from a geothermal deposit.
- ○ Fuel cell property — fuel cell power plant that has a nameplate capacity of at least 0.5 kW of electricity using an electrochemical process ***and*** an electricity-only generation efficiency greater than 30%.
- ○ Microturbine property — stationary microturbine power plant that has a nameplate capacity of less than 2,000 kW ***and*** an electricity-only generation efficiency of not less than 26% at International Standard Organization conditions.
- ○ Combined heat and power system property — system that uses the same energy source for the simultaneous or sequential generation of electrical power, mechanical shaft power, or both, in combination with the generation of steam or other form of useful thermal energy and that meets all of the following requirements:
  1. System produces at least 20% of total useful energy in the form of thermal energy which is not used for electrical or mechanical power (report thermal production in Section 4D of this application).
  2. System produces at least 20% of total useful energy in the form of electrical or mechanical power (or combination) (report electrical and/or mechanical production in Section 4D of this application).
  3. System energy efficiency percentage exceeds 60% [unless system uses open- or closed-loop biomass (see Guidance) for at least 90% of the energy source]. Specify energy efficiency percentage: % and, if applicable, percentage of energy source from open- or closed-loop biomass: %.
  4. System does not exceed 50 MW or a mechanical energy capacity in excess of 67,000 horsepower or an equivalent combination of electrical and mechanical energy capacities (report system capacity in Section 4D of this application).
- ○ Small wind energy property — uses a turbine with nameplate capacity of not more than 100 kW to generate electricity.
- ○ Geothermal heat pump property — uses the ground or ground water as a thermal energy source to heat a structure or as a thermal energy sink to cool a structure.

4B. Narrative Description of Property — give a summary description of the property that is suitable for publication. Limit the summary to 2500 characters. If applying for multiple units of property that are being treated as a single, larger property, so indicate in the narrative.

4D. Energy Generated by the Property — fill in the appropriate column depending on whether the property generates electrical, mechanical, or thermal energy (or combination) for the capacity and production of the property. This section is not applicable to solar illumination properties and geothermal heat pump properties. Enter the estimated production. kW=kilowatt(s), kWh=kilowatt hour(s), MMBTU=one-million British Thermal Units, hp=horsepower.

	Electrical	Mechanical	Thermal
Installed nameplate capacity:	kW	○ kW ○ hp ○ MMBTU/hr	MMBTU/hr

Section 5. Anticipated Cost Basis

5A.Estimated Cost Basis and Applicable Percentage — enter the estimated qualified cost basis of the property and the applicable percentage to calculate the request for payment. The applicable percentage is either 10% or 30% depending on the type of energy property. See Program Guidance to determine the applicable percentage. Fuel cell property formula — if the applicable percentage times the qualified cost basis exceeds an amount equal to $1,500 for each 0.5 kW of capacity, maximum request for payment amount cannot exceed $1,500 times each 0.5 kW of capacity. Microturbine property formula — if the applicable percentage times the qualified cost basis exceeds an amount equal to $200 for each kW of capacity, maximum request for payment cannot exceed $200 times the number of kW of capacity.

Qualified cost basis (as shown in supporting documentation): $ .00

Applicable percentage: ○ 10% ○ 30%

For fuel cell property: If property has less than kW of capacity, enter capacity here:

For microturbine property: If property has less than kW of capacity, enter capacity here:

5B. Estimated Request for Payment — from the calculation in 5A, the estimated amount of request for payment.

Amount of request for payment: $ (Based on calculations in 5A.) Recalculate

Section 6. Documentation

6B. Documentation for Properties Not Yet Placed In Service — for properties not yet placed in service attach documentation to establish that construction has begun in 2009-2011 as claimed in Section 2F of this application. See Program Guidance and Frequently Asked Questions for information on acceptable documentation to establish that construction has begun.

ACCEPTED FILE TYPES: Office (doc, docx, xls, xlsx), postscript (pdf), and plain text (txt) formats. Limit total size of all files to 100 MB or less.

Supporting documents requested for properties not yet placed in service (This is provided as guidance for all applicants. However, eligibility decisions by the Department of Treasury will be based ultimately on applicant's eligibility under Section 45 or Section 48 of the US Tax Code.)

UNDER CONSTRUCTION BUT NOT YET PLACED IN SERVICE:

- Physical Work - Written report from the project engineer or installer, signed under penalties of perjury, describing the project's eligibility and including a detailed construction schedule; estimated budget for the project and a description of the work that has commenced. For projects with an estimated cost basis of $1 million or more this report must be from an independent engineer.
- Physical Work - If applicable, binding Contract for the manufacture, construction or production of the property as described in Section IV.C of the Program Guidance (required for property not yet placed in service that is being manufactured, constructed or produced for the applicant by another person) and a statement from the contractor, signed under penalties of perjury, describing the work that has commenced under the contract.
- Physical Work - Paid Invoices and/or Other Financial Documents demonstrating that physical work of a significant nature has begun on the property.
- 5% of Eligible Costs (Safe Harbor) - Statement from an authorized representative of the applicant signed under penalties of perjury attesting to the method of tax accounting used by the applicant (cash or accrual) and stating the amount that has been paid or incurred before the end of 2011; a description of those costs, and an estimate of the total eligible cost basis of the property. This statement must be from an independent accountant for property with an estimated eligible cost basis of $1 million or more.
- 5% of Eligible Costs (Safe Harbor) - Financial documents demonstrating that 5 percent or more of the total eligible cost basis of the property has been incurred or paid by the applicant as of the date of the application or the end of 2011 whichever is earlier.
- 5% of Eligible Costs (Safe Harbor) - if applicable, binding contract with a supplier and a statement from the supplier, signed under penalty of perjury, of the costs paid or incurred by the supplier and how those costs are allocated to the applicant's property as of the date of the application or the end of 2011 whichever is earlier.

OTHER:

- Please attach any additional supporting documents to support your application. If you require more uploads than this form provides, supplement these with the "Add/Modify Supporting Documentation" function under the Application Package Control Panel for this application when finished.

Attached is documentation to establish construction has begun:

Browse...

Section 7. Signature of Applicant

7A. Under penalties of perjury, I declare that I have examined this application and to the best of my knowledge and belief, it is true, correct, and complete. I declare that I am the applicant or an authorized official for the applicant. Further, I agree the information in this application can be disclosed to the Internal Revenue Service.

First Name: Last Name:

Title: Phone: *000 000 0000 [()-.]*

Email: Signature (enter your password):

Entering your password has the same legal effect as your handwritten signature.

Submit application

12

PROPOSED WIND TURBINE LOCATIONS
HILL TOP PIT AGGREGATE PROCESSING FACILITY
CARSON CITY, NEVADA
JUNE 2011

1"= 60'

HWY US 50

APN 08-611-38
NCR-VTRR

LYON COUNTY
CARSON CITY

EXISTING RAILROAD SLOPE
EXCAVATION LIMITS

APN 08-611-37
MADDOX, CB

APN 08-611-36
NCR-VTRR

PROPOSED "HAMMERHEAD" TURNAROUND
(AGG BASE SURFACE)

EXISTING VISUAL SCREENING EARTH BERM

V&T RAILWAY TRACKS

APN 08-611-04
COFFEY, ET AL
KUGLER, WILLIAM J &

423.12'

64.26'

EXISTING SLOPES

150' TYP
TO V&T PL

PROPOSED WIND TURBINE
NO. 1

350'

150' TYP
TO V&T PL

PROPOSED WIND TURBINE
NO. 2

EXISTING OH ELEC
EXISTING U/G GAS

APN 08-611-35
MADDOX, CB

APN 08-611-36
NCR-VTRR

APN 08-611-05
MC CARVILLE, TIM LLC

PROPOSED HOT
MIX PLANT

350'

71'

PROPOSED WIND TURBINE
NO. 3

150' TYP
TO V&T PL

EXISTING SCALE HOUSE AND SCALE

APN 08-611-06

APN 08-611-33
MADDOX, CB

305'

PROPOSED AGGREGATE CRUSHER

APN 08-611-34
NCR-VTRR

BUREAU OF LAND MANAGEMENT
APN 16-151-36

350'

APN 08-611-09

EXISTING SLOPES

PROPOSED WIND TURBINE
NO. 4

150' TYP
TO V&T PL

APN 08-611-31
MADDOX, CB

EXISTING SLOPES

PICK-IN-PULL AUTO DISMANTLERS

APN 08-611-20

869.67'

RECEIVED
SEP 21 2011
CARSON CITY
PLANNING DIVISION